NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION

TO:	**Responsible Agencies, Trustee Agencies, Interested Parties**
PROJECT TITLE:	**San Joaquin Reservoir Filtration Facility**
LEAD AGENCY:	**Irvine Ranch Water District**
REVIEW PERIOD:	**November 2, 2020 through December 1, 2020**
CONTACT:	**Irvine Ranch Water District** **Water Resources & Policy Department** **Attention: Jo Ann Corey, Environmental Compliance Specialist** **15600 Sand Canyon Avenue** **Irvine, California 92618**

In accordance with the California Environmental Quality Act (CEQA) and the State CEQA Guidelines, Irvine Ranch Water District (IRWD) is the Lead Agency for the San Joaquin Reservoir Filtration Facility Project (proposed Project). Based on the information contained in the Initial Study (IS) prepared for the proposed Project, IRWD has prepared a Recirculated Draft Mitigated Negative Declaration (MND) pursuant to CEQA and the State CEQA Guidelines. IRWD is distributing this Notice of Intent (NOI) to responsible agencies, trustee agencies, and interested groups, in accordance with CEQA.

PROJECT LOCATION:

The Project site is located in the City of Newport Beach and in the County of Orange. Regional access to the Project site is provided by State Route 73 (SR-73), located north of the Project site. The proposed Project would be constructed at IRWD's existing San Joaquin Reservoir (SJR) located south of Bonita Canyon Drive. The SJR is a 55-acre (ac) open recycled water reservoir (Assessor's Parcel No. 461-321-36). The proposed filtration facilities would be located on an existing concrete pad approximately 640 feet north of the SJR. Adjacent land uses include vacant land directly north of the SJR and residential uses to the east, west, and south.

The Project site is not included on any hazardous materials sites pursuant to Government Code Section 65962.5.

PROJECT DESCRIPTION:

IRWD is proposing to construct a new filtration facility that will improve the quality of the recycled water transmitted from the SJR by reducing algae/detritus concentrations. The San Joaquin Reservoir Filtration Facility IS/MND was originally circulated for public review from June 3, 2020 through July 2, 2020. During the public review period, IRWD determined that a new pad would need to be constructed for the 1,500-kilovolt ampere (kVA) transformer, required by Southern California Edison (SCE) for electrical service. Construction of the new transformer pad would require notching of the adjacent hillside to install a retaining wall. The existing 300-kVA transformer would be removed, but the existing pad would remain after Project implementation.

The new filtration facility would be constructed on an existing concrete pad that is north of the existing Flow Control Facility, which is on the north side of the SJR. The proposed filtration facility would be a single-level, above-grade structure that would total approximately 4,000 square feet. Two new filtration pumps would be installed within the filtration building to pump waste washwater from the filtration building to the southern end of the SJR for disposal. The pumps would connect with a proposed concrete at-grade equalization basin, which will be located outside the proposed filtration building. A pipeline would be installed from the equalization basin into the southern end of the SJR to return the filter waste washwater. The new filtration facility will also include an enlarged electrical room, along with a hose, sink/wash basin, emergency shower, and eye-wash station. In addition to the new filtration facility and associated pipeline, the proposed Project includes replacing the booster pumps, located in the existing pump room of the Flow Control Facility on the southern end of the concrete pad, to accommodate the new filters. The operation of the proposed Project would be conducted remotely, and there would not be any full-time dedicated staff at the SJR site.

Development of the proposed Project would require the IRWD to approve the IS/MND and Mitigation Monitoring and Reporting Program (MMRP) for the proposed Project. The Project may require approvals, permits, or authorization from other agencies, classified as "Responsible Agencies" under CEQA.

AVAILABILITY OF ENVIRONMENTAL ANALYSIS:

IRWD invites all interested parties to submit written comments on the IS/MND during the public review period. The 30-day public review period will commence on November 2, 2020, and end December 1, 2020. Any written comments on the IS/MND must be received by IRWD by 4:00 p.m. on December 1, 2020.

During the public review period, the IS/MND will be available for review at the following location:

- Online at the IRWD website: http://www.irwd.com/doing-business/environmental-documents

METHODS OF DELIVERING COMMENTS:

Written comments must be received by 4:00 P.M. on December 1, 2020, the close of the public review period. Written comments can be mailed or electronically submitted using the following contact information:

Irvine Ranch Water District
Water Resources & Policy Department
Attn: Jo Ann Corey, Environmental Compliance Specialist
15600 Sand Canyon Avenue
Irvine, California 92618
corey@irwd.com

Comments received during the public review period and responses to the comments will be included in the final environmental document. If you have any questions regarding the proposed Project, please contact Jo Ann Corey at corey@irwd.com.

PUBLIC MEETING: IRWD's Board of Directors will consider the adoption of the IS/MND at a regularly scheduled meeting following the 30-day review period. For more information, contact the Board's Secretary at (949) 453-5300.

RECIRCULATED INITIAL STUDY/ MITIGATED NEGATIVE DECLARATION

SAN JOAQUIN RESERVOIR FILTRATION FACILITY

Irvine Ranch WATER DISTRICT

LSA

November 2020

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RECIRCULATED INITIAL STUDY/ MITIGATED NEGATIVE DECLARATION

SAN JOAQUIN RESERVOIR FILTRATION FACILITY

Lead Agency:

Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, California 92618
(949) 453-5300
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(949) 553-0666

November 2020

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LIST OF ABBREVIATIONS AND ACRONYMS

µm	micrometers
AAQS	ambient air quality standards
AB	Assembly Bill
ac	acre/acres
ADT	average daily trips
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
BACM	Best Available Control Measure
Basin	South Coast Air Basin
BMP	best management practice
BTU	British thermal units
CAFE	Corporate Average Fuel Economy
CalARP	California Accidental Release Prevention
CAL FIRE	California Department of Forestry and Fire Protection
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
CBC	California Building Code
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
cfs	cubic feet per second
CH_4	methane
City	City of Newport Beach
CMU	concrete masonry unit
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
County	County of Orange
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent

CPS-SLIC	Cleanup Program Sites
CSS	coastal sage scrub
CUPA	Certified Unified Program Agency
dB	decibels
dBA	A-weighted decibels
DSOD	Division of Safety of Dams
DTSC	Department of Toxic Substances Control
EAP	Energy Action Plan
EDR	Environmental Data Resources, Inc.
EFZ	Earthquake Fault Zone
EIR	Environmental Impact Report
ENVIROSTOR	EnviroStor Database
EO	Executive Order
EPA	United States Environmental Protection Agency
FCF	Flow Control Facility
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FMMP	Farmland Mapping and Monitoring Program
ft	foot/feet
FTA	Federal Transit Administration
GHG	greenhouse gas
GSA	Groundwater Sustainability Agency
GWh	gigawatt-hours
GWP	global warming potential
HFCs	hydrofluorocarbons
HIST CORTESE	Hazardous Waste and Substance Sites List
HMBP	Hazardous Materials Business Plan
HVAC	heating, ventilation, and air conditioning
HWTS	Hazardous Waste Tracking System
IRWD	Irvine Ranch Water District
IS/MND	Initial Study/Mitigated Negative Declaration
JWA	John Wayne Airport
kV	kilovolt
kVA	kilovolt ampere
kWh	kilowatt-hours
lbs/day	pounds per day
LED	light-emitting diode

LF	linear feet
LRA	Local Responsibility Area
LSTs	localized significance thresholds
LUST	Leaking Underground Storage Tank
MCC	motor control center
mi	mile/miles
MND	Mitigated Negative Declaration
mpg	miles per gallon
mph	miles per hour
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MT	metric tons
MWD	Metropolitan Water District of Southern California
N_2O	nitrous oxide
National Register	National Register of Historic Places
NHTSA	National Highway Traffic Safety Administration
N_2O	nitrous oxide
NO	nitric oxide
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
O_3	ozone
OPR	Office of Planning and Research
Pb	lead
PCE	passenger car equivalent
PDR	Preliminary Design Report
PF	Public Facilities
PFCs	perfluorocarbons
PLC	programmable logic controller
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in size
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PPV	peak particle velocity
PRC	Public Resources Code
PRIMP	Paleontological Resources Impact Mitigation Program
proposed Project	San Joaquin Reservoir Filtration Facility

RCRA	Resource Conservation and Recovery Act
RMS	root-mean-square
RWQCB	Regional Water Quality Control Board
SAFE	Safer Affordable Fuel-Efficient Vehicles Rule
SB	Senate Bill
SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
sf	square foot/feet
SF_6	sulfur hexafluoride
SGMA	Sustainable Groundwater Management Act
SJR	San Joaquin Reservoir
SMARA	Surface Mining and Reclamation Act
SO_2	sulfur dioxide
SO_X	sulfur oxides
SR-1	State Route 1
SR-73	State Route 73
SRA	Source Receptor Area
SUV	sport utility vehicle
SVP	Society of Vertebrate Paleontology
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
TOU	time of use
UPS	uninterruptible power supply
USDOT	United States Department of Transportation
VAC	volt alternating current
VdB	vibration velocity decibels
VFD	variable frequency drive
VHFHSZ	Very High Fire Hazard Severity Zone
VMT	vehicle miles traveled
VOCs	volatile organic compounds
WMUDS/SWAT	Waste Management Unit Database System

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 San Joaquin Reservoir Filtration Facility (proposed Project), which would occur in the City of Newport Beach; 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*, the 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, Hazards and Hazards and Hazardous Materials, Hydrology and Water Quality, Land Use and Planning, Mineral Resources, Population and Housing, Public Services, Recreation, Transportation and Traffic, Utilities and Service Systems, and Wildfire**.** The proposed Project has the potential to have significant impacts on Biological Resources, Cultural Resources, Geology/Soils, Noise, Tribal Cultural Resources, 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 Department
Attn: Jo Ann Corey, Environmental Compliance Specialist
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 filtration facility (proposed Project) at IRWD's existing San Joaquin Reservoir (SJR) located south of Bonita Canyon Drive in the City of Newport Beach (City). SJR is one of 16 recycled water reservoirs in IRWD's recycled water system.

The proposed Project's purpose is to improve the quality of water transmitted from SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. Specifically, the proposed Project would maintain the facility outflow capacity of 18.5 cubic feet per second (cfs) with a filtration limit of 70 micrometers (µm), which is the accepted standard in the irrigation industry for irrigation system misting components (200-mesh screens). To accomplish this, the proposed Project would include new dual-module filtration strainers. The filtration facility would be constructed on the existing concrete pad north of the Flow Control Facility (FCF), which is located on the north side of the SJR. In addition, the booster pumps, which are located in the existing pump room of the FCF, would be replaced to accommodate the new filters. Additional proposed Project improvements include:

- A new filter waste washwater equalization basin, return pumps, and pipeline to return the filter waste washwater into the southern end of the SJR;
- Modifications to the existing hypochlorite system;
- Electrical and programmable logic controller (PLC) modifications, including installation of a new Southern California Edison (SCE) transformer on the Project site, to meet increased power needs and serve the new pumps and associated mechanical equipment;
- An enlarged Electrical Room inside the FCF to accommodate the new booster pump variable frequency drives (VFDs) and an interior wall that would be removed to enlarge the existing Electrical Room;
- Demolition and removal of the existing electric transformer and existing electric control cabinet,
- Notching of the eastern hillside adjacent to the transfer pad to install a retaining wall; and
- Construction and installation of a new SCE transformer pad.

2.2 PROJECT SITE LOCATION

The SJR is a 55-acre (ac) open reservoir located in Newport Beach, Orange County (Assessor's Parcel Number [APN] 461-321-36). As shown on **Figure 2.1, San Joaquin Reservoir Location**, access to the Project site is provided by State Route 73 (SR-73). Adjacent land uses include vacant land directly north of the site and residential uses to the east, west, and south.

As shown on **Figure 2.2, Project Site Plan**, the proposed filtration facilities would be located on an existing concrete pad (described in detail below) located approximately 640 feet (ft) north of the SJR.

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Project Location

FIGURE 2.1

N

0 375 750

FEET

SOURCE: Google Maps (2018)

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San Joaquin Reservoir Filtration Facility

San Joaquin Reservoir Location

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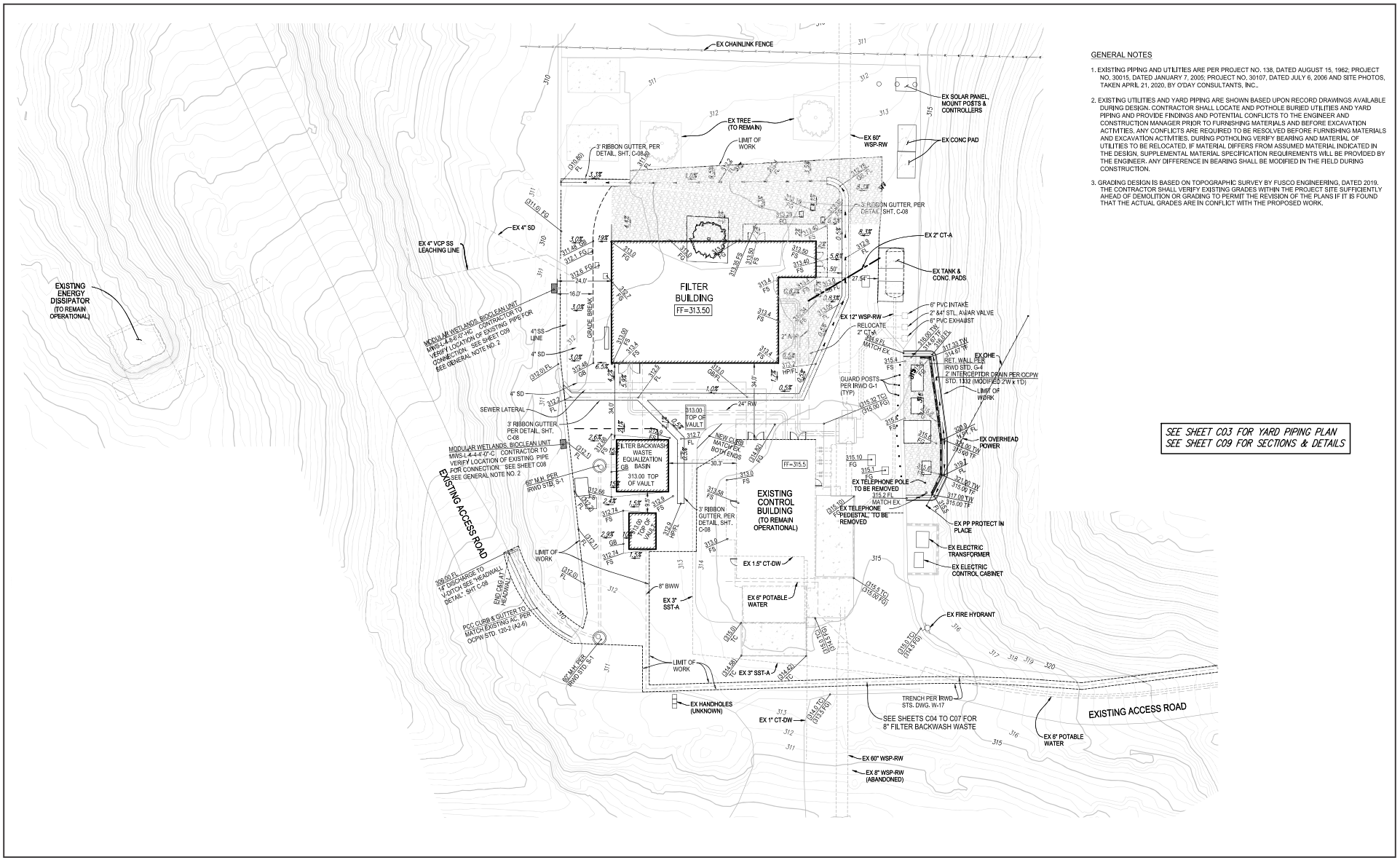

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FIGURE 2.2

0 40 80

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SOURCE: O'day Consultants (10/2020)

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San Joaquin Reservoir Filtration Facility

Project Site Plan

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2.3 PROJECT SITE HISTORY

The SJR was originally constructed in the 1960s by the Metropolitan Water District of Southern California (MWD) to serve as a potable water reservoir. MWD used the facility as a drinking water reservoir; however, it was discovered over time that this open reservoir was subject to contamination caused by birds and other animals and also allowed the passage of insects and detritus into the water system. This water contamination led to customer complaints. A study was conducted to evaluate the potential of covering the open reservoir, but the idea was met with resistance because of cost and aesthetics. Before a final solution to the issues could be implemented, two events took place that changed the use of the SJR: (1) a significant landslide in the back end of the SJR caused major damage and required MWD to drain the facility; and (2) regulation changes required covering the facility. As a result, MWD made the decision to sell the SJR to IRWD for use as a recycled water reservoir, which does not require a cover.

In 2003, IRWD completed a project to repair the landslide damage, add lining where needed, and modified the existing on-site building to serve as a flow control and chlorination facility. The SJR, as configured, serves IRWD's Zone B Recycled Water System. The SJR is filled principally during the winter when there is low irrigation demands. Then, in summer and fall, the reservoir is drained to meet the irrigation needs. The Zone B system is operated to maintain a hydraulic pressure setpoint of about 450 feet (ft). Since SJR is operated between elevations of 400 ft and 470 ft, pressure sustaining, pressure reducing, and booster pumping facilities are included and utilized as needed to maintain the Zone B setpoint. The other booster pump stations in the recycled water system, including the one at the Michelson Water Recycling Plant, are designed to fill the SJR to the 470 ft level. The booster pumps at SJR are not used for filling (inflow), but are used to lift the water from the SJR to meet the Zone B hydraulic setpoint when the level is below elevation 450 ft. Operation of SJR is controlled by demands and through energy usage agreements limiting time of use (TOU) and drawdown restrictions. There are 2- to 4-hour periods during each day that are created by these TOU limits that prevent customer usage and allow the reservoir to be refilled.

About five years ago, IRWD split its Zone B service area and shut down the existing booster pump operation such that the SJR now only provides service to a portion of IRWD's Zone B Recycled Water System. This was done because of customer complaints in the Irvine Spectrum Area regarding algae and detritus concentrations in the water coming from the SJR. In the split, the Irvine Spectrum Area was reconfigured to be served by other IRWD recycled water zones.

2.4 EXISTING SITE CONDITIONS AND LAND USE DESIGNATIONS

The Project site is zoned Public Facilities in the City of Newport Beach's Municipal Code and is designated Public Facilities in its General Plan (2006).

The existing FCF is located within the existing control building on the southern half of the existing concrete pad just north of the SJR. The majority of the concrete pad is vacant and filled with concrete. One tree is located directly west of the existing FCF on the concrete pad, and three trees are located north of the FCF on the concrete pad. A private road connects the concrete pad to the eastern perimeter of the SJR. A dam surrounds the perimeter of the reservoir and is filled with rock composite and an impervious clay liner. In addition, an existing 60-inch-diameter inlet/outlet pipe

passes under the dam to the existing FCF. The majority of the reservoir is lined with asphalt concrete paving with approximately 15 ac of the bottom clay lined. As stated in the Preliminary Design Report (PDR) prepared for the Project,[1] review of SJR flow data for the past several years shows typical inflows from 20–25 cfs and higher during peak fill periods. Outflows rarely exceed 12–15 cfs. The existing booster pump capacity is 18.5 cfs.

2.5 PROPOSED FACILITIES

The proposed Project's purpose is to improve the quality of water transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. Specifically, the proposed Project would maintain the facility outflow capacity of 18.5 cfs with a filtration limit of 70 µm, which is the accepted standard in the irrigation industry for irrigation system misting components (200-mesh screens). It is anticipated that these components would be the finest irrigation system used and thus set the most stringent filtration requirement. The proposed facilities are shown on **Figure 2.2, Project Site Plan**.

2.5.1 Flow Control Facility

Three new vertical turbine booster pumps would replace the existing three booster pumps in the FCF Pump Room on the southern end of the concrete pad. In addition, new above-grade 16-inch-diameter pump discharge piping and valves would be installed, and a new 24-inch-diameter pump discharge pipeline outside of the pump station would be installed to connect to the proposed filtration facility. Existing utilities affected by the proposed filtration facility, including a 4-inch-diameter drain, 4-inch-diameter sewer, and two 2-inch-diameter air pipelines, would be rerouted to clear the proposed improvements.

The FCF Electrical Room would house a new motor control center (MCC), new VFDs, a new PLC cabinet, and a new uninterruptible power supply (UPS). The existing booster pump VFDs in the Mechanical Room would be removed. The FCF Electrical Room would be enlarged to accommodate the VFDs by removing an internal wall. Within the existing FCF Electrical Room, the existing MCC and PLC control panel would be replaced. The new MCC would be designed to meet the short circuit rating based on the upgraded SCE service, and would be provided with power monitoring, new motor starters, feeder breakers for heating, ventilation, and air conditioning (HVAC), ancillary equipment, and spares for future needs. A new 120-volt alternating current (VAC) transformer would be designed to feed the lighting panel, new PLC cabinet, new UPS, and new energy efficient light-emitting diode (LED) lighting throughout the FCF.

2.5.2 Filtration Facility

The proposed Project includes the construction of a new building to house the filtration equipment. The filtration facility would be constructed on the existing concrete pad to the north of the existing FCF. The filtration facility would be a single-level, above-grade structure that would total approximately 4,000 square feet (sf). The proposed filtration facility would be a masonry brick building with a pitched roof, and would be similar in style and color to the existing FCF.

[1] Carollo Engineers. 2019. Final Preliminary Design Report (PDR) for the San Joaquin Reservoir Filtration Facility. November.

The conceptual layout of the filtration facility is shown on Figure 2.3, Filtration Facility Layout. Two new filtration pumps (i.e., 1 duty and 1 standby) would be installed within the filtration building to pump the waste washwater from the filtration building to the southern end of the SJR for disposal. The pumps would be submersible-type pumps and would connect to the proposed concrete at-grade equalization basin. The proposed equalization basin would be located outside the proposed filtration building to allow for regular cleaning operations. In addition, as shown on Figure 2.4, Filter Waste Washwater Discharge Pipeline, a proposed 8-inch-diameter pipeline that is approximately 3,500 linear feet (LF) in length would be installed in the existing reservoir access and perimeter roads from the equalization basin to the southern end of the SJR to return the filter waste washwater.

The new Electrical Room, which is to be located on the east side of the filtration facility, would include HVAC. The Electrical Room would be designed to accommodate the new filtration MCC. The new MCC would be designed to meet the short circuit rating based on the upgraded SCE service and would be provided with power monitoring, new motor starters, feeder breakers for ancillary equipment, HVAC, and spares. A new 120/208 VAC transformer would be designed within the MCC to feed the new UPS and PLC cabinet. The lighting panel would be installed in the MCC. Interior lighting would be energy efficient consistent with California Building Code (CBC) requirements.

A hose, sink/wash basin, emergency shower, and eye-wash station would be provided inside the facility.

A compressed air system would be provided for valve actuation. The skid would include redundant air compressors, an air dyer, and a receiver.

Forklift and pickup truck access would also be provided on the west side of the building through 10 ft wide acoustical doors. Clear road access would be maintained around the perimeter of the buildings to allow maintenance vehicles and chemical delivery trucks to easily enter and exit the site.

2.5.3 Waste Washwater Treatment Facility

A future proposed waste washwater treatment facility may be needed and, if so, would be located on the northernmost portion of the concrete pad. The waste washwater facility would be an enclosed, approximately 3,000 sf building. Similar to the filtration building, the washwater treatment building would be a single-level, above-grade structure and would be similar in style and color as the existing FCF. The waste washwater treatment facility would treat the filter waste washwater to remove algae prior to recycling the water.

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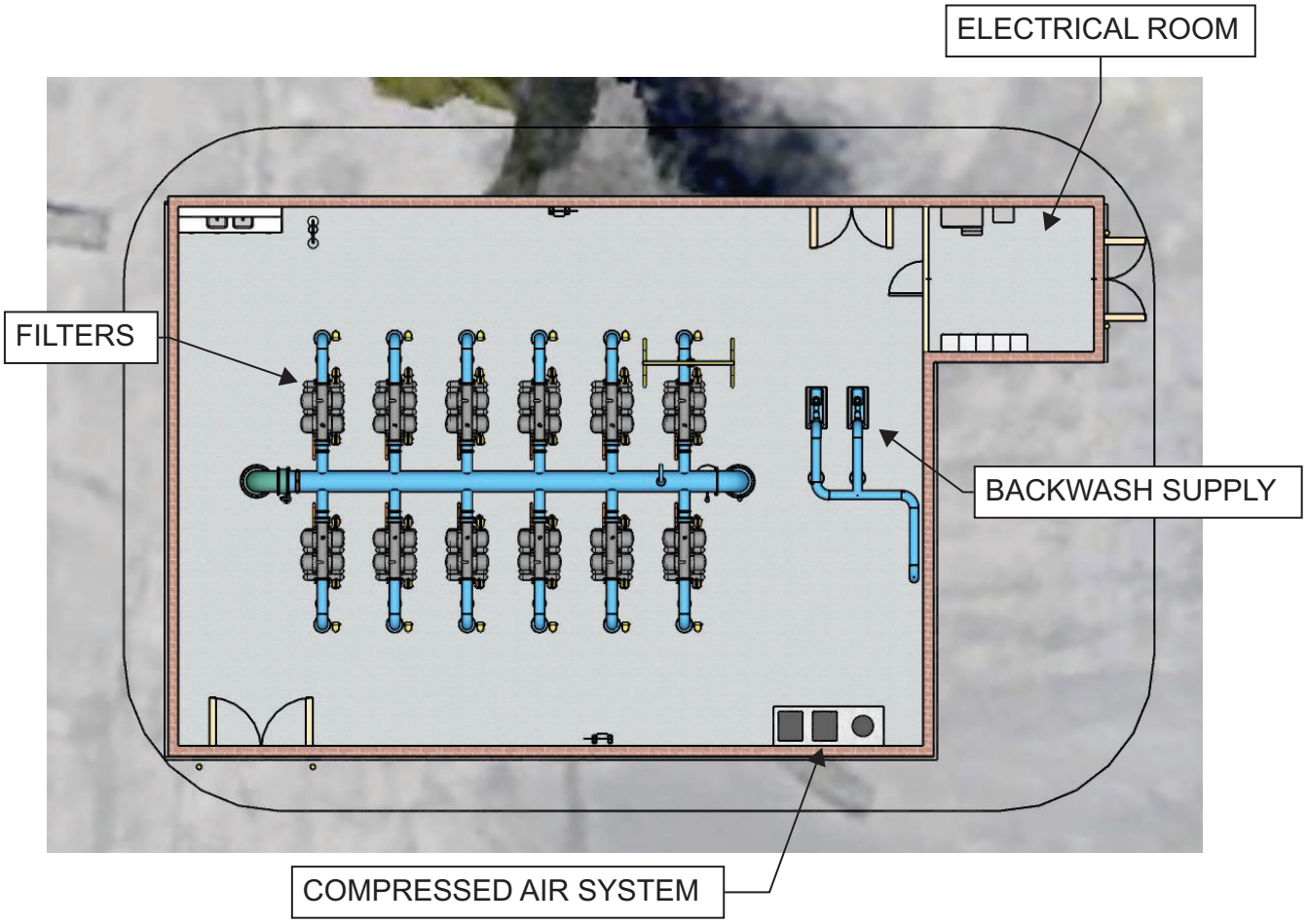

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FIGURE 2.3

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SOURCE: Carollo

San Joaquin Reservoir Filtration Facility
Filtration Facility Layout

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FIGURE 2.4

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NO SCALE
SOURCE: Carollo

San Joaquin Reservoir Filtration Facility
Filter Waste Washwater Discharge Pipeline

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2.5.4 Transformer and Pad

The existing 300-kilovolt ampere (kVA) padmount transformer located to the east of the existing control building would be replaced with a new 1,500 kVA SCE required transformer, located on a new concrete pad to be constructed north of the existing pad (refer to **Figure 2.2** for a conceptual illustration of the transformer pad). The proposed pad would be a maximum of approximately 45.5 feet long and 17.5 feet wide to conform to the SCE requirements. Coordination with SCE is ongoing regarding the precise sizing of the transformer pad and associated equipment. It should be noted that sizes and dimensions are based on preliminary design evaluations and may be subject to change during final design and through consultation with SCE. Therefore, this document analyzes the largest possible pad size of 802.56 sf (0.0184 ac). During construction of the pad, a small portion of the adjacent hillside would be notched and an approximately 7 ft retaining wall would be constructed. The existing transformer would be removed, but the existing pad would remain after Project implementation.

2.6 UTILITIES

The Project infrastructure components would require connection and improvements to existing on-site infrastructure systems. These systems include water, electricity, sanitary sewer, and storm water drains. The proposed Project includes the following on-site infrastructure improvements:

- Existing utilities affected by the proposed filtration facility, including a 4-inch-diameter drain, a 4-inch-diameter sewer, and two 2-inch-diameter air pipelines, would be rerouted to clear the proposed improvements.

- A sewer connection to the existing septic tank and leach field would be required for the sink drain and floor drains in the filtration facility. No continuous discharge would be added by the strainer facilities.

- A 2-inch-diameter potable water connection would be provided to the filtration facility to supply the hose racks, sink/wash basin, eye-wash station, and emergency shower. The proposed Project would not result in continuous potable water demand.

- Operations at the SJR would continue to be powered from the existing 12-kilovolt (kV) single overhead SCE service; however, modifications to the SCE service entrance equipment would be needed in order to comply with SCE requirements. The existing 300-kilovolt ampere (kVA) padmount transformer would be replaced with a 1,500 kVA transformer, and a new NEMA 3R weatherproof 1,600-amp switchboard would be installed adjacent to the FCF. The SCE service connection would require new feeders but would be able to utilize the existing meter. The new transformer would be located on a new pad located north of the existing transformer pad.

- SCE may determine that the existing 12 kV service cables on the primary side of the padmount transformer may need to be replaced to accommodate the increased load and/or that a new primary fuse is required. The SCE transformer secondary cables would be replaced with larger cables, and the cables would be sized, furnished, and installed by SCE in underground conduits installed by the IRWD contractor. It is anticipated that the existing underground conduits

between the SCE padmount transformer and the service entrance switchboard would need to be replaced. If SCE determines that these additional improvements are needed, SCE would be responsible for any additional analysis that may be required to comply with CEQA.

2.7 OPERATION

Generally, operation of the proposed Project would be conducted remotely, and there would not be any full-time dedicated staff at the SJR site. Similar with existing conditions, IRWD staff would continue to visit the site daily for routine maintenance or in the event of an emergency. It is anticipated that any daily 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.

In the existing condition, there are deliveries that occur on a regular basis. The proposed Project would result in a slight increase in deliveries.

2.8 SITE SECURITY AND ACCESS

2.8.1 Site Exterior (Security) Lighting

Exterior building-mounted security lighting would be installed on the proposed filtration facility building. The site lighting levels would be a cutoff design to keep illumination within the property and prevent spill over to the neighboring properties or interfere with drivers on adjacent roadways.

2.8.2 Building Intrusion Alarm

The building intrusion system would consist of intrusion switches and alarms on all exterior building doors and hatches. The alarms would connect with IRWD's central Supervisory Control and Data Acquisition (SCADA) system.

2.8.3 Site Access

Site access would not be changed as part of the proposed Project. In the existing condition, access to the SJR is controlled by a gate on the access road near its intersection with Ford Road.

2.9 PROJECT IMPLEMENTATION

Weather permitting, project construction is anticipated to take approximately 14 months. Project construction is anticipated to begin in March 2021 and be completed in May 2022. The project would begin with pipe construction. Thereafter, precise grading, building construction, mechanical, electrical, equipment installation and paving would occur.

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.

2.10 DISCRETIONARY ACTIONS

This Initial Study/Mitigated Negative Declaration (IS/MND) is intended to serve as the primary California Environmental Quality Act (CEQA) environmental document for all actions associated with the proposed Project, including all discretionary approvals requested or required of IRWD to implement the proposed Project. In addition, the IS/MND 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).

2.10.1 Probable Future Actions by Responsible Agencies

The 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 will 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, Probable Future Actions by Responsible Agencies**. In addition, water districts are exempt from compliance with building ordinances of the county or city in which it is located; therefore, the proposed Project is not subject to approvals or actions by the City of Newport Beach. However, the proposed Project would be designed to meet the appropriate City codes and standards, as well as the current CBC.

2.10.2 Other Ministerial Actions

If necessary, ministerial permits/approvals may be issued by the City or other appropriate agency to allow site preparations, connections to the utility infrastructure, and other Project features subject to ministerial permits.

Table 2.A: Probable Future Actions by Responsible Agencies

Agency	Action
State	
California Department of Industrial Relations – California Division of Occupational Safety and Health (Cal/OSHA)	• Excavation Permit
Regional	
South Coast Air Quality Management District (SCAQMD)	• Permit to construct • Permit to operate
Santa Ana Regional Water Quality Control Board (RWQCB)	• Applicable Groundwater Dewatering Permit
Local	
City of Newport Beach Fire Department	• Review the Project site plan to confirm access routes • Hazardous Materials Permit

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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.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☒ Biological Resources	☒ Cultural Resources	☐ Energy
☒ Geology & Soils	☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials
☐ Hydrology/Water Quality	☐ Land Use & Planning	☐ Mineral Resources
☒ Noise	☐ Population & Housing	☐ Public Services
☐ Recreation	☐ Transportation	☒ Tribal Cultural Resources
☐ Utilities/Service Systems	☐ Wildfire	☒ 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

10/30/20
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 identity 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 which 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

Except as provided in Public Resources Code Section 21099, would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
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?	☐	☐	☐	☒
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

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 the City of Newport Beach (City);[1] however, according to Figures 4.1-1 through Figure 4.1-3 in the City of Newport Beach General Plan Update EIR (2006), the City identifies prominent coastal viewing locations throughout the city as Coastal View Roads and Public View Points.

The existing Project site is partially developed, and the majority of the concrete pad is vacant and filled with concrete. State Route 73 (SR-73) provides access to the San Joaquin Reservoir (SJR) and the Project site, and a private road connects the concrete pad to the eastern perimeter of the SJR. A dam surrounds the perimeter of the reservoir. Adjacent land uses include vacant land directly north of the SJR and residential uses to the east, west, and south.

[1] City of Newport Beach. 2006. General Plan Update Environmental Impact Report. July 25.

Project improvements would be confined to the existing concrete pad and area immediately adjacent to the existing concrete pad, located on the north side of the SJR, in addition to the replacement of the existing pipeline that connects the concrete pad to the southern end of the SJR. The existing Pump Room of the Flow Control Facility (FCF) is 11 ft 2 inches as measured from floor to ceiling. The filtration facility would be constructed to an approximately similar height as the existing Pump Room, and the retaining wall around the new transformer pad, required for SCE service, would not exceed 7 ft. While the proposed Project may slightly reduce views to the east as viewed from the concrete pad, it would not substantially reduce or impair views of mountains to the northeast that are not already being impaired by the residential development. In addition, the proposed Project would not impact views from identified Coastal View Roads and Public View Points in the City's General Plan because the Project site is located approximately 2.7 miles (mi) northeast of the Pacific Ocean and is not located within the vicinity of Coastal View Roads and Public View Points. Therefore, because there are no designated scenic vistas within Newport Beach, the Project site cannot be seen from designated coastal viewing locations. In addition, because the proposed Project would not interfere with distant views of mountains to the northeast, the proposed Project would have no impact to scenic vistas. No mitigation is required.

Significance Determination: No 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, which is contained in the Streets and Highways Code, Sections 260–263. State Highways are classified as either Officially Listed or Eligible. The City of Newport Beach does not contain any State-designated Scenic Highways within its jurisdictional limits.[1] However, State Route 1 (SR-1) is identified as Eligible for State Scenic Highway designation. SR-1 is located approximately 2.3 mi southwest 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 existing Project site is within an urbanized area and is partially developed. SR-73 provides access to the SJR and the Project site, and a private road connects the concrete pad to the eastern

[1] City of Newport Beach. 2006. General Plan Update Environmental Impact Report. July 25.

perimeter of the SJR. A dam surrounds the perimeter of the reservoir. Adjacent land uses include vacant land directly north of the SJR, and residential uses to the east, west, and south. As discussed below, the proposed Project would not conflict with applicable zoning or General Plan regulations governing scenic quality.

Construction. Construction of the proposed Project would involve on-site construction activities that would be visible to residential uses adjacent to the Project site. However, construction activities for the proposed Project would be temporary in nature and, consequently, would not substantially impact sensitive uses. Therefore, due to the short-term duration of construction activities, impacts during construction would be less than significant, and no mitigation would be required.

Operation. The proposed Project is zoned Public Facilities (PF), for which there are no specific regulations regarding scenic quality in the City's General Plan or Municipal Code. The proposed Project would be consistent with the visual quality and character of the surrounding area, and 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: No 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?

Lighting impacts are evaluated in terms of the Project's net change in ambient lighting conditions, the intensity and direction of project lighting, and the impact of the proposed Project to light-sensitive land uses.

The Project site is currently partially developed with existing facilities associated with the operation of the SJR. Existing sources of light on the Project site include security lighting on the existing control building. Other sources of light on and adjacent to the Project site include exterior lighting from adjacent properties, street lights, and vehicle headlights. Sensitive receptors in the vicinity of the site include residential uses to the east, west, and south.

Construction of the proposed Project would be limited to daytime hours, generally from 7:00 a.m. to 6:30 p.m., in accordance with City of Newport Beach policies.[1] Any construction-related illumination during evening and nighttime hours would be shielded to the extent feasible and 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. Because construction would primarily occur during daylight hours, 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

[1] City of Newport Beach. 2019. Newport Beach Municipal Code, Section 10.28.40. November 19.

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 Project would include the installation of exterior building-mounted security lighting on the proposed filtration facility building. The site security lighting levels would be a cutoff design to keep illumination within the property so as to not spill over to the neighboring properties or interfere with drivers on adjacent roadways. The proposed Project would also include the installation of new, interior, light-emitting diode (LED) lighting within the existing FCF Electrical Room and within the proposed filtration facility Electrical Room.

Exterior building materials and façade would not be constructed with highly reflective materials (e.g., windows or glass with mirror-like tints), eliminating any glare associated with the new building. 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 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. Compliance with the City's Municipal Code would also ensure that all exterior lighting would be directed, positioned, or shielded in such a manner as to not unreasonably illuminate the window area of nearby residences. As such, the proposed Project would not create a new source of light or 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?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
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))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
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?	☐	☐	☐	☒

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's 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 is in an area that is not mapped. Additionally, no agricultural uses exist on the site, and the Project site is 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 Project site is zoned as PF in the City's Municipal Code. There are no existing Williamson Act contracts on the Project site.[1] Implementation of the proposed Project would not conflict with existing zoning for agricultural use or a Williamson Act contract. Therefore, there would be no impact to existing zoning for agricultural use or a Williamson Act contract. No mitigation is required.

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 Project site is zoned public facilities in the City's Municipal Code. 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 is currently surrounded by residential development. 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.

[1] California Department of Conservation, Division of Land Resources Protection. 2017. State of California Williamson Act Contract Land.

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 surrounded by residential uses and 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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

4.3.1 Impact Analysis

The Project site is located in Newport Beach, 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_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), 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_3 and particulate matter less than 2.5 microns in diameter ($PM_{2.5}$). In addition, the Basin is in nonattainment for the State particulate matter less than 10 microns in diameter (PM_{10}) standards and in attainment/ maintenance for the federal PM_{10}, as well as Federal and State attainment for Pb, SO_2, CO, and NO_2 standards.

To meet these standards, SCAQMD has established project-level thresholds for volatile organic compounds (VOCs), nitrogen oxides (NO_x), and $PM_{2.5}$.

VOCs are formed from the combustion of fuels and evaporation of organic solvents. VOCs are an O_3 precursor and a prime component of the photochemical reaction that forms O_3. NO_x refers to the compounds of NO_2, a reddish-brown gas, and nitric oxide (NO), a colorless, odorless gas that is formed from fuel combustion under high temperature or pressure. NO_x is a primary component of the photochemical smog reaction. NO_X 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 SCAQMD's *CEQA Air Quality Handbook*.[1]

The following daily thresholds for construction emissions have been established by the SCAQMD and are used in the analysis of air quality impacts for the proposed Project:

- 75 pounds per day (lbs/day) of VOCs
- 100 lbs/day of NO_X
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of sulfur oxides (SO_X)

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

In addition, the SCAQMD published its *Final Localized Significance Threshold Methodology* in July 2008, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.[2] 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, and the distance to the Project. 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 Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For the proposed Project, the appropriate SRA for the LST is the North Coastal Orange County area (SRA 18). SCAQMD provides LST screening tables for 27-, 54-, 109-, 219-, and 546-yard 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. CEQA requires that certain proposed projects be analyzed for consistency with an 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(e) below, the proposed Project would not generate emissions that exceed SCAQMD thresholds.

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

2 South Coast Air Quality Management District (SCAQMD). 2008b. Final Localized Significance Threshold Methodology. July.

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 ambient air quality standard.

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_X, VOCs, directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and toxic air contaminants (TACs) such as diesel exhaust particulate matter.

Site preparation and construction would involve demolition, excavation, site preparation, paving, and building activities. Construction-related effects on air quality from the proposed Project would be greatest during the grading phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. 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_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} 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_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_X, NO_X, VOCs, and some soot particulate ($PM_{2.5}$ and PM_{10}) 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. Based on estimates generated by CalEEMod, the proposed Project is expected to generate 42 vehicle trips per day during demolition. The proposed Project would require demolition and removal of approximately 7,000 square feet (sf) of pavement from the proposed Project site, which was accounted for in the CalEEMod analysis. The removal of material would require approximately 32 truck trips over a 20-day period. Additionally, during site preparation a utility pad would be recessed into the adjacent hillside along the eastern side of the existing concrete pad. Approximately 130 cubic yards of soil would be excavated and hauled offsite, at a maximum depth of 7 ft from surrounding ground levels. Air 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 for a 14-month period, based on the schedule proposed by the IRWD. Construction-related emissions are presented in **Table 4.3.A, Construction Air Quality Emissions**. CalEEMod output sheets are included in Appendix A.

Table 4.3.A: Construction Air Quality Emissions

Emissions Category	Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_X
Maximum	7.55	10.93	8.50	0.84	0.60	0.01
SCAQMD Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**55.0**	**150.0**
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA Associates, Inc. (2020).
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

As shown in Table 4.3.A, 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 cumulative 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.

Long-Term Regional Air Quality Impacts. The proposed Project consists of the construction of a new filtration facility at the existing SJR in order to reduce algae and detritus concentrations from the open air reservoir. The proposed Project would include new dual-module filtration facilities and replacement of existing booster pumps to accommodate the new filters. The project would also include an enlarged Electrical Room for the booster pump's variable frequency drives (VFDs).

The project would not have any permanent on-site equipment that produces 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 be no full-time dedicated staff at the Project site. However, it is likely that staff would visit the site for routine maintenance, deliveries, or emergencies; therefore, the proposed Project is expected to generate approximately 10 daily vehicle trips. Air emissions associated with these trips and other emissions sources (i.e., building maintenance) were calculated using CalEEMod. The CalEEMod results shown in **Table 4.3.B, Operational Air Quality Emissions**, indicate the proposed Project would be well below the operational emission criteria set forth by the SCAQMD; therefore, no mitigation would be required.

Table 4.3.B: Operational Air Quality Emissions

Emissions Category	Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_X
Area	0.18	<0.01	<0.01	<0.01	<0.01	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.02	0.12	0.35	0.11	0.03	<0.01
Total	**0.20**	**0.12**	**0.35**	**0.11**	**0.03**	**0.00**
SCAQMD Threshold	**75.00**	**100.00**	**550.00**	**150.00**	**55.00**	**150.00**
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA Associates, Inc. (2020).
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

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 ambient air quality standard. 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 closest sensitive receptors are the residences located at the top of the canyon on each side to the east and west of the Project site.

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 source receptor area, and the distance to the Project. The proposed Project is located within the North Coastal Orange County SRA (SRA 18). The

nearest sensitive receptors to the Project site are existing residences 110 yards to the east and 196 yards to the west. The Project construction emissions were compared to the LST screening tables in SRA 18 based on a 110 yards source receptor and a 1 ac project size. Allowable emissions as a function of receptor distance from the boundary of the Project site are included in **Table 4.3.C, Localized Significance Thresholds for Construction Emissions**, and **Table 4.3.D, Localized Significance Thresholds for Operational Emissions**. As shown in Tables 4.3.C and 4.3.D, the proposed Project would not exceed the LSTs and would not result in a localized air quality impact during Project construction or operation.

Table 4.3.C: Localized Significance Thresholds for Construction Emissions

	Emission Rates (lbs/day)			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
On-Site Project Emissions	11.00	8.00	0.70	0.56
Localized Significance Threshold at 110 yards	**108.00**	**1,100.00**	**27.00**	**9.10**
Exceeds?	**No**	**No**	**No**	**No**

Source: Compiled by LSA Associates, Inc. (2020).
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size

Table 4.3.D: Localized Significance Thresholds for Operational Emissions

	Emission Rates (lbs/day)			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
On-Site Project Emissions	<0.01	0.02	<0.01	<0.01
Localized Significance Threshold at 110 yards	**108.00**	**1,100.00**	**7.10**	**3.00**
Exceeds?	**No**	**No**	**No**	**No**

Source: Compiled by LSA Associates, Inc. (2020).
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size

Construction activities associated with the proposed Project would generate airborne particulates and fugitive dust as well as a small quantity of pollutants associated with the use of construction equipment (e.g., diesel-fueled vehicles and equipment) on a short-term basis. However, construction contractors would be required to implement measures to reduce emissions by complying with Rule 403, as described above. Additionally, Project short-term construction emissions would be below the SCAQMD significance thresholds and LSTs. Once the proposed Project is constructed, it would not be a source of substantial emissions and would be well below the SCAQMD significance thresholds and LSTs. Therefore, sensitive receptors would not expose sensitive receptors to substantial pollutant concentrations during 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. Pursuant to SCAQMD Rule 402, these sources shall include a quantitative assessment of potential odors and meteorological conditions. The Project does not propose any such uses or 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. These odors 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

Would the project:	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?	☐	☒	☐	☐
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?	☐	☒	☐	☐
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?	☐	☐	☐	☒
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?	☐	☐	☒	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
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?	☐	☒	☐	☐

The following analysis summarizes the potential impacts of the San Joaquin Reservoir Filtration Facility 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 [CNDDB], California Native Plant Society [CNPS], and Information for Planning and Consultation database), and existing conditions and land use designations. A site visit was conducted on February 4, 2020 to assess habitat adjacent to the Project site. An additional survey was conducted on August 13, 2020 to address changes to the proposed Project.

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 area associated with the project is located within the 55 ac SJR property. Subsequent to the initial impacts from the construction of the SJR in the 1960s, the surrounding landscape adjacent to

the reservoir has been revegetated with coastal sage scrub (CSS) vegetation. CSS is considered a covered habitat due to species dependent upon or associated with CSS and has been acknowledged as such by its inclusion in the Central/Coastal Orange County Natural Community Conservation Planning/Habitat Conservation Plan (NCCP/HCP), a state/federal habitat management and conservation plan that was designed to conserve, protect, and enhance this particular habitat and the botanical and wildlife species that occupy it. In addition, fuel modification areas were installed adjacent to the housing developments to the east.

The Project site is comprised of an existing concrete/asphalt pad with pea gravel installed to the north, and an asphalt roadway where a washwater pipeline will be installed. CSS vegetation and fuel modification areas are adjacent to the concrete pad and washwater pipeline. Even though CSS dominates the landscape, which is habitat that specifically supports the majority of rare plants identified in the database search, the Project site has been highly modified since the construction of the SJR. Historic anthropogenic disturbances have altered hydrologic functions and affected pre-settlement habitat that are needed to support the special-status plant species. No special-status plant species occur in the areas covered by the asphalt where the proposed washwater pipeline would be installed, however CSS, a covered habitat, would be impacted during the construction of the transformer pad and retaining wall. CSS is protected under the NCCP/HCP.

The current site conditions (primarily planted CSS habitat) have created habitat suitable for the coastal California gnatcatcher (*Polioptila californica californica*), a federally threatened species. Coastal California gnatcatchers were documented in the area in 2001 and as recently as June 2019. Suitable habitat is plentiful in the area, with CSS surrounding the project site and reservoir. In addition, suitable nesting habitat for a variety of common and special-status bird species occurs adjacent to the site within the native habitat restoration areas. Birds and raptors are afforded special protections while nesting under the California Fish and Game Code as well as the federal Migratory Bird Treaty Act.

The Pacific pocket mouse (*Perognathus longimembris pacificus*), also a federally endangered species, was identified within a 1 mile radius of the project in 1971 but is known to be extirpated from the area.

The Project site is located adjacent to areas containing mature CSS and chaparral species. Special-status animal species have potential to be directly affected by Project construction and operational activities including the removal of a maximum of 0.0184 acre of CSS, increased noise, vibration, and dust.[1] The direct and indirect disturbance have the potential to affect foraging patterns and disorient special-status species occurring in adjacent habitat areas, although species occurring within this area are likely habituated to frequent disturbance associated with routine operations that have historically occurred within the project site. Best management practices (BMPs) implemented during construction would minimize potential adverse indirect effects to adjacent habitat areas.

[1] As stated in the Project Description, coordination with SCE is ongoing regarding the precise sizing of the transformer pad and associated equipment. This document analyzes the largest possible pad size of 802.56 sf (0.0184 ac), although it is likely that during final design the size of the pad would be reduced.

Coastal California gnatcatcher has a high probability of occurrence on the project site. Adhering to Mitigation Measure BIO-1, General Nesting Bird Surveys and Avoidance of Active Nests, will avoid potential direct impacts to the species. Furthermore, potentially significant direct and indirect impacts to nesting birds would be avoided with implementation of **Mitigation Measure BIO-1**.

Implementation of Mitigation Measure BIO-1 would help avoid and/or minimize direct and indirect project-related impacts on coastal California gnatcatcher and all other avian species covered under California Fish and Game Code 3503 and the Migratory Bird Treaty Act in accordance with applicable regional conservation plans and resource agency guidelines. With implementation of Mitigation Measure BIO-1, impacts on special-status species would be considered less than significant, and no further measures are required.

Implementation of **Mitigation Measure BIO-2** would require the use of IRWD's take authorization (pursuant to the Orange County Central/Coastal NCCP/HCP) for permanent impacts to address the loss of CSS within the reserve. The use of the take authorization for the loss of CSS, would be consistent with Section 5.9 Infrastructure Policies outlined in the NCCP & HCP for the Central & Coastal Subregion and within the provisions of the NCCP/HCP, operation, maintenance, repair and reconstruction of existing infrastructure. With implementation of Mitigation Measure BIO-2, impacts on special status species resulting from the loss of CSS would be reduced to a less than significant level and no further mitigation would be required.

Significance Determination: Less than Significant Impact with Mitigation Incorporated
Mitigation Measures:

BIO-1 **General Nesting Bird Surveys and Avoidance of Active Nests.** Any vegetation removal, construction, or grading activities shall take place outside the active nesting bird season (i.e., nesting bird season is February 1–August 31), when feasible. Should these activities take place during the nesting bird season, a qualified biologist shall conduct a nesting bird survey no more than 7 days prior to the start of such activities. Any available focused survey data, particularly with regard to coastal California gnatcatcher nesting locations, shall be referenced prior to the survey. If construction activities using heavy equipment (e.g., graders, bulldozers, and excavators) continue through the nesting season, weekly nesting bird surveys shall be conducted until the construction activities are completed. Each nesting bird survey shall include the work area and areas adjacent to the site (within 500 feet, as feasible) that could potentially be affected by Project-related activities such as noise, vibration, increased human activity, and dust. For any active nest(s) identified, the qualified biologist shall establish an appropriate buffer zone around the active nest(s). The appropriate buffer shall be determined by the qualified biologist based on species, location, and the nature of the proposed activities. Project activities shall be avoided within the buffer zone until the nest is deemed no longer active, as determined by the qualified biologist.

BIO-2 **Coastal Sage Scrub (CSS) within the Orange County Central/Coastal Natural Community Conservation Planning (NCCP) Reserve.** Irvine Ranch Water District

(IRWD) shall implement the Project in accordance with the infrastructure siting policies and the take authorization pursuant to the Orange County Central/Coastal NCCP/HCP). The use of the authorization for the take of a maximum of 0.0184 acre of CSS (the exact acreage to be determined upon final design), would be consistent with Section 5.9 Infrastructure Policies outlined in the NCCP & HCP for the Central & Coastal Subregion and within the provisions of the NCCP/HCP, operation, maintenance, repair and reconstruction of existing infrastructure.

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?

The Project site is located within an upland area that has been previously disturbed by the construction of the SJR and slope restoration. The Project site is located within the vicinity of the SJR. Vegetation and other land cover types on the Project site include disturbed annual grassland, open water, planted coastal sage scrub, and fuel modification vegetation adjacent to the housing developments.[1] No riparian habitat is within or adjacent to the Project site. A minor portion of planted CSS vegetation, a covered habitat, would be impacted by Project implementation; a maximum of 0.0184 acres (the exact acreage to be determined upon final design) would be permanently impacted by the construction of an enlarged transformer pad, required by SCE, and a retaining wall east of the existing Control Building. All other construction and staging would occur on an existing concrete pad or within the asphalt road. All spoils for the washwater pipeline would be placed on the existing road. No riparian habitat would be impacted.

Implementation of Mitigation Measure BIO-2 would require the use of mitigation credits (allowable under the Orange County Central/Coastal NCCP) for permanent impacts to address the loss of 0.0184 acre of CSS within the preserve. The use of the mitigation credits for the take of 0.0184 acre of CSS, would be consistent with Section 5.9 Infrastructure Policies outlined in the NCCP & HCP for the Central & Coastal Subregion and within the provisions of the NCCP/HCP, operation, maintenance, repair and reconstruction of existing infrastructure. Implementation of Mitigation Measure BIO-2, impacts on special status species resulting from the loss of CSS would be reduced to a less than significant level and no further mitigation would be required.

Significance Determination: Less than Significant Impact with Mitigation Incorporated
Mitigation Measures: Refer to Mitigation Measure BIO-2.

[1] The hillsides adjacent to the nearby residential communities have a specific plant pallet to reduce the fuel load. The installed/planted pallets are intended to reduce pruning removal and limit the planting of plant species that are prone to high combustibility.

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?

As stated in Response 4.4(b), the Project site is located within an upland area that has been previously disturbed by the construction of the reservoir and slope restoration. There are no records indicating wetlands or jurisdictional drainage features exist (or historically existed) on the Project site. The Project would not result in any impacts to wetlands, and no mitigation is 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?

Portions of the Project site are located within the Orange County Central/Coastal NCCP Natural Community Conservation Planning Reserve and Orange County NCCP Non-reserve Open Space that is routinely accessed by vehicles for maintenance. With the exception of the area (maximum of 0.0184 acre) immediately adjacent to the existing concrete pad that would be developed as a new transformer pad, required for SCE service, the undeveloped lands adjacent to the Project site would not be directly affected by the Project. The noise, vibration, light, dust, or other human disturbance within the construction areas would only temporarily deter wildlife from using areas during construction activities. These indirect effects could temporarily alter migration behaviors, territories, or foraging habitats in a small area surrounding the project site. However, because these are temporary effects, it is likely that wildlife already living and moving in close proximity to the reservoir and existing residential developments would alter their normal functions for the duration of the project construction but would then re-establish these functions once all temporary construction effects have been removed. Furthermore, the proposed Project would not place any barriers within the habitat linkage or interfere with habitat connectivity. The impact is considered less than significant, and no mitigation is required.

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

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

Trees subject to local ordinances are absent from the project site and the project would not conflict with any local policies related to biological resources. No mitigation is required.

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

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?

Portions of the Project site are within the Central/Coastal NCCP/HCP (Coastal Subarea) Planning Reserve and Planning Non-Reserve Open Space. The proposed Project would conflict with Orange County Central/Coastal NCCP/HCP (Coastal Subarea) policies related to the preservation of CSS within the Reserve. Implementation of Mitigation Measure BIO-2 would require the use of mitigation credits (allowable under the Orange County Central/Coastal NCCP) for permanent impacts to address the loss of 0.0184 acre of CSS within the preserve. The use of the mitigation credits for the take of 0.0184 acre of CSS, would be consistent with Section 5.9 Infrastructure Policies outlined in the NCCP & HCP for the Central & Coastal Subregion and within the provisions of the NCCP/HCP, operation, maintenance, repair and reconstruction of existing infrastructure. Implementation of Mitigation Measure BIO-2, impacts on special status species resulting from the loss of CSS, would be reduced to a less than significant level and no further mitigation would be required.

Significance Determination: Less than Significant with Mitigation Incorporated
Mitigation Measures: Refer to Mitigation Measure BIO-2

4.5 CULTURAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☐	☒
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

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.

As detailed in the Records Search Results for the San Joaquin Reservoir Filtration Facility Project Memorandum,[1] a records search was conducted on February 4, 2020, to identify historic resources in the Project area. The records search was conducted by Aaron McCann at the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System 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 National Register of Historic Places (National Register), National Historic Landmarks, the California Register, California Historical Landmarks, and California Points of Historical Interest were reviewed.

[1] LSA Associates. 2020. Records Search Results for the San Joaquin Reservoir Filtration Facility Project. August 28.

The results of the records search indicate that the Project site has been included as part of one archaeological resources survey (OR-01828). The records search identified six archaeological sites within 0.5 mi of the Project site, with the closest resource located approximately 0.35 mi northeast of the existing concrete pad. However, no cultural resources have been previously recorded within the Project site. In addition, no archeological resources were identified during an archeological field survey conducted on August 13, 2020.[1] As such, there are no historical resources (as defined in §15064.5 of the *State CEQA Guidelines*) located on the Project site. Therefore, the proposed Project would not cause a substantial adverse change in the significance of a historical resource, and no mitigation is required.

Significance Determination: No 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?

The Project site is not designated as a historical/archaeological resource. The site was previously graded, and no archaeological resources were identified at that time. Additional research indicates that surficial deposits at the Project site include Artificial Fill (as a result of previous construction for the existing concrete pad and existing road) underlain by marine sandstone dating to the Miocene. Ground-disturbing impacts from the proposed Project would generally occur in areas that have been previously disturbed for construction of the existing concrete pad and the existing road. Although excavation for the proposed transformer pad required for SCE service and retaining walls would occur in native sediments, no archeological resources were identified during an archeological field survey conducted on August 13, 2020, and it is unlikely that archeological resources would be found in the areas that were not surveyed due to the disturbed nature and the steep slopes surrounding the Project site.[2] Furthermore, given the previous disturbance of the Project site as a result of construction and the age of the sedimentary deposits below the disturbed soil, the likelihood of encountering subsurface archaeological cultural resources during ground-disturbing construction activities is low. Therefore, the proposed Project would not cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5 of the *State CEQA Guidelines,* and no mitigation is required.

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

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

As stated in Response 4.5(b), given the previous disturbance of the Project site as a result of construction and the age of the sedimentary deposits below the disturbed soil, the likelihood of encountering subsurface archaeological cultural resources during ground-disturbing construction

1 LSA Associates. 2020. Records Search Results for the San Joaquin Reservoir Filtration Facility Project. August 28.
2 Ibid.

activities is 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-1), 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 Impact with Mitigation Incorporated
Mitigation Measure:

CUL-1 **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 Public Resources Code 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

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☐	☒

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, as detailed in Appendix A.

Construction. The anticipated construction schedule assumes that the project would be built in approximately 14 months. Construction would require energy for the manufacture and transportation of building materials, preparation of the site for demolition and excavation activities, utility installation, paving, and building construction and architectural coating. 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.

Operation. During project operation, electricity would be the main form of energy consumed on the site. Electricity would be used for building heating and cooling, lighting, and water pumping. **Table 4.6.A, Estimated Annual Project Energy Use,** provides the estimated energy use of the proposed Project.

Table 4.6.A: Estimated Annual Project Energy Use

Land Use	Electricity Use (kWh/year)	Natural Gas (Btu/year)	Employee Vehicle Gasoline (gallons/year)
General Light Industrial	65,995	0	1,807
Parking Lot	0	0	0
Total	**65,995**	**0**	**1,807**

Source: Compiled by LSA Associates, Inc. (2020).
[1] The land use type General Light Industrial is the best representation for the proposed Project based on projected function and energy uses.
kWh = kilowatt-hours
Btu = British thermal units

As identified in Table 4.6.A, demand from proposed uses on the site would be 65,995 kilowatt-hours (kWh) of electricity. No on-site natural gas usage would occur on the Project site. The project would result in energy usage associated with consumption of motor vehicle gasoline to fuel project-related trips. As described in Section 4.17, Transportation, the proposed Project would generate up to 10 daily trips. The proposed Project's 10 total daily trips is estimated to result in 40,297 annual vehicle miles traveled (VMT). Using the 2017 fuel economy estimate of 22.3 miles per gallon (mpg),[1] the proposed Project would consume approximately 1,807 gallons of gasoline per year.

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 in effect 2020. Compliance with CCR Title 24 is mandatory at

[1] 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 January 2020).

the time new building permits are issued by local governments. The California 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.[1] 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.[2] 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.[3] The EPA and the United States Department of Transportation (USDOT) National Highway Traffic Safety Administration (NHTSA), amended the existing Corporate Average Fuel Economy (CAFE) standard with the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule, which will hold the emissions standards at 2020 standards for both CAFE and SAFE until 2026. This new rule applies to the emissions of light-duty cars and trucks from model years 2021 to 2026.[4]

As stated previously, implementation of the proposed Project would increase the project-related annual gasoline demand by 1,807 gallons. 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

1 California Energy Commission. Total System Electric Generation. Website: https://www.energy.ca.gov/almanac/electricity_data/total_system_power.html (accessed January 2020).

2 California Energy Commission. February 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://ww2.energy.ca.gov/2017_energypolicy/documents/ (accessed January 2020).

3 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 January 2020).

4 United States Environmental Protection Agency (EPA) and United States Department of Transportation (USDOT). August 24, 2018. The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks. Federal Register, Vol. 83, No. 165. Website: https://www.govinfo.gov/content/pkg/FR-2018-08-24/pdf/2018-18418.pdf (accessed January 3, 2020).

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.

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

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

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 of 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 Final Geotechnical Report[1], the San Joaquin Hills fault zone, the Newport Inglewood fault zone (South Los Angeles Basin section-southern) and the Newport-Inglewood fault

[1] Allied Geotechnical Engineers, Inc. 2020. Final Geotechnical Report San Joaquin Reservoir Filtration Project. July 24.

zone (Offshore) are the three most active and closet fault zones to the Project site. The Project site is located within the San Joaquin Hills fault zone, and is located approximately 1.4 mi and 4.3 mi from the Newport Inglewood fault zone (South Los Angeles Basin section-southern) and the Newport-Inglewood fault zone (Offshore), respectively. Although the Project site is located within the boundaries of the San Joaquin Hills fault zone, the San Joaquin Hills fault zone is not zoned as an active "Earthquake Fault Zone" in the Alquist-Priolo Earthquake Fault Zoning Act.[1,2] Furthermore, compliance with the CBC and the recommendations in the Final Geotechnical Report 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 are anticipated to 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 Report 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.

1 California Department of Conservation (DOC). CGS Information Warehouse: Regulatory Maps and Reports. Website: https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/ (accessed August 19, 2020).
2 City of Newport Beach. 2006. General Plan Update Environmental Impact Report. July 25.

According to the Laguna Beach Quadrangle Seismic Hazard Zones Map, the Project site is not within a liquefaction zone.[1] However, as discussed in the Geotechnical Investigation,[2] an area downstream of the SJR was mapped as a potential liquefaction hazard zone. Because the concrete pad consists of a fill over dense sandstone, liquefaction at the concrete pad is highly unlikely. Additionally, groundwater was not encountered during exploratory borings.[3] Furthermore, the Final Geotechnical Report[4] found that the Project site is underlain with dense to very dense formational soils that are considered to have a low liquefaction potential. Therefore, impacts involving seismic-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 Laguna Beach Quadrangle Seismic Hazard Zones Map, part of the SJR is within an earthquake-induced landslide zone.[5] 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 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

1 California Geological Survey. 1998. Laguna Beach Quadrangle Seismic Hazard Zones. April 15.
2 Lowney Associates. 2002. Geotechnical Investigation of the San Joaquin Reservoir Flow Control Facilities. December 5.
3 Carollo Engineers. 2019. Final Preliminary Design Report (PDR) for the San Joaquin Reservoir Filtration Facility. November.
4 Allied Geotechnical Engineers, Inc. 2020. Final Geotechnical Report San Joaquin Reservoir Filtration Project. July 24.
5 California Geological Survey. 1998. Laguna Beach Quadrangle Seismic Hazard Zones. April 15.

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.

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. 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), the Project site is not within a liquefaction zone, and liquefaction is highly unlikely at the concrete pad. 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 Geotechnical Investigation and the Final Geotechnical Report,[1,2] the upper few feet of material consist primarily of gravelly sand and silty sand, with layers of native sandstone at greater depths. These soils are generally medium-dense to dense, which are expected to have very low 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?

There is currently a septic tank/leach field located to the west of the concrete pad that provides sewage treatment to the existing FCF. The proposed Project includes a new sewer connection to the existing septic tank and leach field to accommodate the sink drain and floor drains in the proposed

1 Lowney Associates. 2002. Geotechnical Investigation of the San Joaquin Reservoir Flow Control Facilities. December 5.

2 Allied Geotechnical Engineers, Inc. 2020. Final Geotechnical Report San Joaquin Reservoir Filtration Project. July 24.

filtration facility. Soils at the Project site currently support the use of a septic tank/leach field system; therefore, soils on the Project site would be capable of continuing to support the septic tank/leach field system, including the new sewer connection. Therefore, impacts associated with soils capable of supporting the use of septic tanks or alternative wastewater disposal systems would be less than significant, and no mitigation is required.

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

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

The majority of the Project activities would remain at or above grade and would not involve ground disturbance. However, excavation would be required for the washwater equalization basin, connections for existing pipes from the control building, the pipeline extending to the SJR, and construction of a pad and retaining walls for the new transformer and associated utility switchboards required for SCE service. Excavation for the washwater equalization basin, connections to existing pipes at the control building, and construction of the transformer pad and retaining wall would occur in Artificial Fill and the Diabasic Intrusive Rocks of the El Modeno Volcanica, both of which have no paleontological sensitivity.[1] Excavation of the pipeline extending to the SJR, however, may extend into native deposits of the Los Trancos Formation, which has high paleontological sensitivity. As such, this activity has the potential to impact paleontological resources. As specified in Mitigation Measure PALEO-1, any excavation and grading activities in deposits with high paleontological sensitivity (i.e., the Los Trancos Formation) shall be monitored by a qualified paleontological monitor, and if any find is determined to be significant, IRWD and the paleontological monitor shall meet to determine the appropriate avoidance measures or other appropriate mitigation. 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 Measures:

PALEO-1 **Paleontological Resources.** IRWD shall retain a qualified Principal Paleontologist who meets the standards set by the Society of Vertebrate Paleontology to provide paleontological monitoring in deposits with high paleontological sensitivity (i.e., the Los Trancos Formation). No monitoring is required for excavations in deposits with no paleontological sensitivity (i.e., Artificial Fill and the Diabasic Intrusive Rocks of the El Modeno Volcanics). The Principal

[1] LSA Associates. 2020. Paleontological Analysis of the San Joaquin Reservoir Filtration Facility Project, Newport Beach, Orange County, California. August 24.

Paleontologist shall be present at the pre-construction conference; shall, in conjunction with IRWD, establish procedures for paleontological resource surveillance; and shall establish, in conjunction with IRWD, procedures for temporarily halting or redirecting work to permit the sampling, identification, and evaluation of the fossils as appropriate. In the event that paleontological resources are encountered during the course of ground disturbance, all work within 50 feet of the resources shall be halted until the find has been appropriately assessed and avoided or mitigated, if determined to be significant. The Principal Paleontologist shall assess the significance of the find and meet with IRWD to discuss the discovery. If any find is determined to be significant, IRWD and the Principal Paleontologist shall determine the appropriate avoidance measures or other appropriate mitigation. IRWD and the Principal Paleontologist shall discuss the scientific analysis, professional museum curation, and documentation according to the current professional standards. A report of findings shall be prepared by the Principal Paleontologist to document the results of the monitoring program.

4.8 GREENHOUSE GAS EMISSIONS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

4.8.1 Technical Background

Greenhouse gases (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_2), methane (CH_4), nitrous oxide (N_2O), O_3, 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_2, CH_4, N_2O, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). 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_2, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e).

In October 2008, the SCAQMD released a *Draft Guidance Document – Interim CEQA Greenhouse Gas Significance Threshold* 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_2e 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.

For the purpose of this technical analysis, the concept of CO_2e 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_2 as the reference. Individual GHGs have varying global warming potentials and atmospheric lifetimes. CO_2e 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, Version 2016.3.2. 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). The construction activity would be a higher source of GHGs than operation, due to the nature of automated equipment, and the fact that the facility would largely be operated from remote locations.

Construction Emissions. Construction activities, such as site preparation, site 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 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_2, CH_4, and N_2O. Furthermore, CH_4 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.

Using CalEEMod, it is estimated that the Project would generate approximately 177.29 MT of CO_2e during construction of the Project. When annualized over the 30-year life of the Project, annual emissions would be 5.91 MT of CO_2e.

Operational Emissions. Long-term operation of the proposed Project would generate GHG emissions from mobile sources and indirect emissions from sources associated with energy consumption. Mobile-source emissions of GHGs would include Project-generated vehicle trips associated with workers traveling to and from the Project site. Emissions would also be generated at off-site utility providers as a result of the proposed Project's demand for electricity in order to supply water to its customers. GHG emissions associated with the proposed Project were estimated using CalEEMod. Model output sheets are included in Appendix A.

As shown in **Table 4.8.A, Project Operational Greenhouse Gas Emissions**, the proposed Project would generate 58.38 MT of CO_2e, which would be well below the SCAQMD's numeric threshold of 3,000 MT of CO_2e. Therefore, GHG emissions generated by construction and operation of the proposed Project would be less than significant. No mitigation is required.

Table 4.8.A: Project Operational Greenhouse Gas Emissions

Emissions Category	Emission Rates (MT/yr)			
	CO_2	CH_4	N_2O	CO_2e
Project Emissions	47.59	0.18	0.00	52.54
Amortized Project Construction Emissions	5.80	<0.01	0.00	5.84
Total Project Emissions	**53.39**	**0.18**	**0.00**	**58.38**
SCAQMD Threshold	**N/A**	**N/A**	**N/A**	**3,000**
Exceeds?	–	–	–	**No**

Source: Compiled by LSA Associates, Inc. (2020).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N/A = not applicable
N_2O = nitrous oxide
SCAQMD = South Coast Air Quality Management District

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 Executive Order (EO) S-3-05 and Assembly Bill (AB) 32. CARB released a second update to the Scoping Plan, the Draft 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 Senate Bill (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 Newport Beach's Energy Action Plan[1] (EAP) was adopted in July 2013. The EAP addresses global climate change, including the need for adaptability and carbon emission reductions, and the significant role that energy plays when addressing global climate change and its affects. In addition, the EAP assesses municipal and Citywide energy use. The EAP also identifies three goals for the City that are intended to match or exceed the State's energy and emissions Statewide reductions goals. The year 2020 timeframe for the City's goals aligns with the State's goals. The goals include:

- *The City of Newport Beach will strive for a 15 percent reduction in City-wide energy use by the year 2020.* In the EAP, power reduction measures and practices aim to reduce City energy usage in facilities and infrastructure to reach progressive goals by 2020.

- *Raise energy conservation awareness in local community and improve the quality of life.* Measures include changing light fixtures and replacing equipment, including heating, ventilation, and air conditioning (HVAC) systems, which reduce energy usage.

- *Reduce the City's carbon footprint and its adverse effect on the environment by replacing infrastructure needs with more energy-efficient components to ensure long life and reduce power consumption.* The City's goal for infrastructure (e.g., water pumps) is to become more efficient in order to reduce power usage.

The proposed Project would be consistent with the City of Newport Beach EAP through measures implemented to enhance energy efficiency of the filtration facility, which in turn would reduce GHG emissions. Using methods to decrease future energy dependency, the Project is consistent with the goals contained in the EAP. The methods and equipment being implemented meet and exceed the AB 32 reduction goals, aligning with the City's plan for energy efficiency and sustainability at all City facilities. The proposed Project would not conflict with 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.

[1] City of Newport Beach. 2013. City of Newport Beach Energy Action Plan. July.

4.9 HAZARDS AND HAZARDOUS MATERIALS

Would the project:		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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d)	Be located on a site which is included on a list of hazardous materials sites complied pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐
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?	☐	☐	☐	☒
f)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g)	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

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.[1] Hazardous substances include all chemicals regulated under the 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.

[1] 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 (United States Department of Labor, 2017).

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 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, and 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 filtration facility, the replacement of two existing booster pumps, and associated utility and infrastructure improvements. Operation of the filtration facility and booster pumps would include the use of common hazardous materials including, but not limited to, lubricants and cooling fluids. And, in addition to maintenance and custodial supplies, project operation may include the routine use of hazardous materials typical of filtration facilities and booster pumps that, when used 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 associated with the routine transport, use, or disposal of hazardous materials during Project operations 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 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 includes the operation of a filtration facility and the replacement of two existing booster pumps that would be operated from a remote location. Operation of the filtration facility and booster bumps would include the use of common hazardous materials including, but not limited to, lubricants and cooling fluids. And, in addition to maintenance and custodial supplies, project operation may include the routine use of hazardous materials typical of filtration facilities

and booster bumps 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 associated with a reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment 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 Anderson Elementary School, which is located approximately 0.7 mi west of the Project site. In addition, there are no proposed schools within 0.25 mi of the Project site. Due to the nature of the Project as a filtration facility, 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: No 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 complied 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 February 20, 2020 using the Environmental Data Resources, Inc. (EDR) Radius Map Report[1] (Appendix B). According to the EDR report, several properties surrounding the Project site are listed in various environmental databases. Within 0.25 mi of the Project site, the EDR Report identified two Resource Conservation and Recovery Act (RCRA) non-generator (NonGen/NLR) sites and eight Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS) sites. Within 0.421 mi of the Project site, the EDR Report identified one Superfund Enterprise Management System Archive (SEMS-ARCHIVE) site. Within 0.5 mi of the Project site, the EDR Report identified two Leaking Underground Storage Tank (LUST) sites, two Cleanup Program Sites (CPS-SLIC), one Waste Management Unit Database System (WMUDS/SWAT) site, and one Hazardous Waste and Substance Sites List (HIST CORTESE). The EDR Report included

[1] Environmental Data Resources, Inc. (EDR). 2020. EDR Radius Map Report with Geocheck for San Joaquin Reservoir. February 20.

one site in the EnviroStor Database (ENVIROSTOR), which identifies sites that have known contamination or need to be investigated further that are within 1 mi of the Project site.

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 3160 Airway Avenue, which is located approximately 3.8 mi northeast 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?

Construction. As discussed in Response 4.17(d), access to the Project site would not change as part of the proposed Project and would continue to be accessed via the intersections of Bonita Canyon Drive/Prairie Road and Ford Road/Prairie Road and a controlled gate at the eastern terminus of Ford Road. Emergency access would be provided from Ford Road (access road). Since the Project would not change the existing configuration of the Project site, emergency access to the site would not be affected. Furthermore, construction of the proposed Project does not include any characteristics (e.g., permanent road closure or long-term blocking of road access) that would physically interfere with an adopted emergency response plan or emergency evacuation plan.

Operation. The City of Newport Beach has adopted an Emergency Operations Plan (2011) that addresses the City's planned response to natural disasters, technological incidents, and national security emergencies in or affecting the City. The Emergency Operations Plan provides an overview of operational concepts and describes overall responsibilities of the various federal, State, and county entities for protecting life and property in the event of an emergency. Additionally, the City has an adopted Local Hazard Mitigation Plan (2016) that addresses the City's planned response to emergencies specifically associated with natural disasters. 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 implementation of the Emergency Operations Plan or Local Hazard Mitigation Plan. Furthermore, the proposed Project would also 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. 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 Impact
Mitigation Measures: No mitigation is required.

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

In its existing setting, the Project site is partially developed with existing facilities associated with the operation of the SJR. The Project site is surrounded by residential uses to the east, west, and south. Vacant land exists directly north of the SJR. According to the Newport Beach Very High Fire Hazard Severity Zones (VHFHSZs) on the Local Responsibility Area (LRA)[1] map, the Project site is located within a non-VHFHSZ LRA.[2] Although the Project site is not located within or near State Responsibility Areas, an LRA VHFHSZ surrounds the SJR. The proposed Project includes the construction of one building for the proposed filtration facility, as well as the potential construction of the future proposed waste washwater facility. 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: Less Than Significant Impact
Mitigation Measures: No mitigation is required.

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

2 California Department of Forestry and Fire Protection (CALFIRE), Fire and Resource Assessment Program. 2011. Newport Beach Very High Fire Hazard Severity Zones in LRA as Recommended by CAL FIRE. October.

4.10 HYDROLOGY AND WATER QUALITY

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
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;	☐	☐	☒	☐
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) Impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

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. During construction, the total disturbed soil area would be approximately 8,208 sf (0.19 acre [ac]), primarily from construction of the washwater equalization basin and trenching for the 24-inch-diameter discharge pipeline. In addition, chemicals, liquid products, petroleum products (e.g., 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. Because construction of the proposed Project would disturb less than 1 ac of soil, the Project is not subject to the requirements of the SWRCB 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.

As discussed in the Preliminary Design Report (PDR), a geotechnical investigation report[1] was prepared for the San Joaquin Reservoir Flow Control Facilities Project. As part of the investigation, two exploratory borings were drilled to depths of 15.5 ft. One of the borings was north of the existing control building, near the proposed filtration facility building. No groundwater was encountered during drilling of either boring. Furthermore, the majority of project improvements would be constructed at or above grade. However, excavation would be required for the washwater equalization basin, for the connections for existing pipes from the control building, for the proposed transformer pad required for SCE service, retaining walls, and for the discharge pipeline. As specified in the Final Geotechnical Report,[2] the depth of the groundwater table is expected to be well below the anticipated depth of excavation (the maximum depth of excavation for these improvements would be 8 ft for excavation for the washwater equalization basin). Furthermore, based on the depth of groundwater and depth of excavation, it is not anticipated that the groundwater table would be encountered. However, according to the Final Geotechnical Report, localized perched water conditions may be encountered at the Project site, particularly during the rainy (wet) season. Groundwater that is discharged to surface waters can introduce total dissolved solids, nitrates, and other constituents to surface waters. If perched groundwater is encountered during excavation, groundwater dewatering of perched groundwater would be conducted in accordance with the appropriate NPDES permit to be obtained from the Santa Ana RWQCB, and groundwater would be discharged to the storm drain system. Therefore, in the unlikely event groundwater dewatering is required, Project construction would not substantially degrade groundwater water quality.

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 the total impervious surface area on the Project site by a maximum of 802.56 sf (0.0184 ac) for the proposed transformer pad required for SCE service. However, other project improvements would be confined to the existing concrete pad and along the perimeter of the eastern roadway and dam for trenching of the proposed waste washwater pipeline, which would ultimately be placed underground. Because the impervious surface area on the Project site would increase by a maximum of 802.56 sf (0.0184 ac), the Project does not meet the criteria for new development and significant redevelopment projects because it would not result in the addition or replacement of 5,000 square feet (sf) or more of impervious surface on a developed site. Therefore, the proposed Project is not classified as a priority project as defined within the Santa Ana Regional Water Quality Control Board (RWQCB) *National Pollutant Discharge Elimination System (NPDES) Permit and Waste Discharge Requirements for the County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County within the Santa Ana Region Areawide Urban Stormwater Runoff Orange County* (Order No.

[1] Lowney Associates. 2002. Geotechnical Investigation of the San Joaquin Reservoir Flow Control Facilities. December 5.

[2] Allied Geotechnical Engineers, Inc. 2020. Final Geotechnical Report San Joaquin Reservoir Filtration Project. July 24.

R8-2009-0030, NPDES No. CAS618030, as amended by Order No. R8-2010-0062) (North Orange County Municipal Separate Storm Sewer System [MS4] Permit). Because the Project is not a priority project, preparation of a Water Quality Management Plan and implementation of operational BMPs are not required. Because the Project would result in minimal new source pollutants in stormwater runoff, operational impacts related to violation of water quality standards or waste discharge requirements would be less than significant, and no mitigation would be required.

Although groundwater dewatering could occur, dewatered groundwater would not be discharged directly back to groundwater, and would therefore not introduce pollutants to groundwater. Infiltration of stormwater can have the potential to affect groundwater quality in areas of shallow groundwater. As discussed above, groundwater was not encountered during exploratory borings at depths of 15.5 ft. Pollutants in stormwater 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 stormwater 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 Project also includes the installation of a new sewer connection to the existing septic tank and leach field for the sink drain and floor drains in the filtration facility. Because the sewer connection would connect to existing facilities and would not involve major excavation, construction activities do not have the potential to directly impact surface or groundwater quality. In addition, operation of the proposed Project would be conducted remotely, and there would not be any full-time dedicated staff on site. Because overall wastewater demand would remain similar to existing conditions, the new sewer connection would not result in an increased demand on the leach field. Therefore, the new sewer connection would not result in the additional infiltration of pollutants or degradation of groundwater quality.

A new filter waste washwater equalization basin, return pumps, and pipeline would return the filtered waste washwater to the southern end of the SJR for disposal. Although the SJR is not a potable water reservoir, potential impacts as a result of recycling the waste washwater could include increased algae levels and unsightly algae community formation (mats) and odors. Therefore, a future proposed waste washwater treatment facility may be needed that would treat the filtered waste washwater to remove algae prior to recycling the water. If necessary, the installation of the waste washwater treatment facility would ensure that the proposed Project would not impact the SJR recycled water quality.

Therefore, construction and operational impacts related to violation of water quality standards or waste discharge requirements would be less than significant.

Significance Determination: Less Than Significant Impact
Mitigation Measure: 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 not encountered during exploratory borings at depths of 15.5 ft. Based on the depth of groundwater and depth of excavation, dewatering of the groundwater table would not be required. Although excavation would occur well above existing groundwater levels, perched groundwater could be present beneath the Project site. Therefore, groundwater dewatering of perched groundwater may be required during construction. Groundwater dewatering would not substantially affect groundwater supplies or recharge because groundwater dewatering would be temporary, would cease after project construction, and would only affect perched groundwater. Therefore, construction impacts related to depletion of groundwater supplies or interference with groundwater recharge would be less than significant, and no mitigation would be required.

The Project would increase the total amount of impervious surface areas on site by a maximum of 0.0184 ac. The increase in impervious surface area as a result of project implementation would decrease on-site infiltration. However, due to the minimal increase in impervious surface area, the decrease in infiltration on-site would be negligible. Additionally, the Project site is not located within a designated groundwater basin and is not located on land designated for groundwater recharge.[1] Therefore, the proposed Project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the Project may impede sustainable groundwater management of a groundwater basin. 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 construction activities, and there could be an 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 impact water quality, including those associated with erosion and siltation. Therefore, construction impacts related to on- or off-site erosion or siltation would be less than significant, and no mitigation is required.

[1] California Department of Water Resources. SGMA Basin Prioritization Dashboard, Groundwater Basins 2019. Website: https://gis.water.ca.gov/app/bp-dashboard/final/# (accessed February 12, 2020).

During operation, the proposed Project would generally maintain the existing drainage pattern on the Project site. As discussed in Response 4.10(a), the Project would increase the impervious surface area on the Project site by a maximum of 0.0184 ac, which would slightly increase on-site stormwater flows. Although the Project would increase impervious surface area, impervious surface areas associated with development of the Project site are not prone to erosion or siltation, because no loose soil would be included in these areas.

In addition, the increase in impervious surface area could increase runoff from the site during storm events, which can increase off-site erosion and siltation. According to the Orange County Susceptibility Map for Newport Bay and Newport Coastal Streams,[1] the Project site is within a potential area of erosion, habitat, and physical structure susceptibility, and the waters downstream of the Project site are susceptible to hydromodification.[2] However, because of the small increase in stormwater runoff as a result of the 0.0184 ac increase in impervious surface area, stormwater runoff from the Project site would not have a potential to result in hydromodification impacts, including downstream erosion or siltation.

Therefore, because the Project would not substantially change the storm water runoff on or generated from the Project site, the Project would not contribute to on-site or 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 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. Therefore, construction impacts related to on- or off-site flooding would be less than significant, and no mitigation is required.

The proposed Project would generally maintain the existing drainage pattern on the Project site during operation. As discussed in Response 4.10(a), the proposed Project would increase the total impervious surface area on the Project site by a maximum of 0.0184 ac. However, because of the small increase in impervious surface area, the Project would not substantially increase the rate or amount of stormwater runoff from the Project site, and the Project would not exceed the capacity

1 County of Orange. 2013. Technical Guidance Document (TGD) for the Preparation of Conceptual/Preliminary and/or Project Water Quality Management Plans (WQMPs). December 20.

2 Hydromodification is defined as hydrologic changes resulting from increased runoff from increases in impervious surfaces. Hydromodification impacts can included changes in downstream erosion and sedimentation.

of the storm drain system or result in 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 stormwater 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 stormwater runoff. Additionally, in the unlikely event groundwater dewatering is required during construction, the proposed Project would comply with the requirements of the applicable groundwater dewatering permit, which would require testing and treatment, as necessary, of groundwater encountered during groundwater dewatering prior to release. Therefore, Project construction would not increase the capacity of existing or planned stormwater drainage systems, and would not create or contribute runoff water that would provide substantial additional sources of polluted runoff to the storm drain system.

As discussed previously, the proposed Project would increase impervious surface area by a maximum of 0.0184 ac compared to existing conditions, which would slightly increase storm water runoff from the Project site. However, due to the minimal increase in impervious surface, the Project would not substantially increase the volume of stormwater runoff from the Project site and would not exceed the capacity of existing or planned stormwater drainage systems. Additionally, the Project would result in minimal new source pollutants in stormwater runoff (limited to pollutants from vehicles accessing the Project site). Therefore, Project operation would not substantially increase the amount of pollutants transported by runoff to receiving waters. For these reasons, impacts related to the creation or contribution of runoff water that would provide substantial additional sources of polluted runoff or that would exceed the capacity of existing or planned storm water drainage systems would be less than significant, and no mitigation is required.

Significance Determination: Less Than Significant Impact
Mitigation Measure: 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) No. 06059C0289J, the majority of the Project site is located within Zone X, Area of Minimal Flood Hazard. However, a part of the proposed 8-inch-diameter filter waste washwater pipeline extends

into the SJR, which is located within Zone A, Special Flood Hazard Area without Base Flood Elevation. Zone A includes areas subject to inundation by the 1 percent annual chance flood.

Although part of the proposed Project is located within an area that could be prone to flooding, the Project site is not located in a direct inundation area[1] and is protected by a dam that surrounds the perimeter of the SJR. However, the proposed Project would not place structures within the 100-year floodplain; only the discharge point of the proposed waste washwater pipeline would be located within Zone A. Therefore, because the majority of the proposed Project is not within a 100-year floodplain, a less than significant impact would occur related to impeding or redirecting of flood flows, and no mitigation is required.

Significance Determination: Less Than Significant 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 majority of the Project site is located within Zone X, Area of Minimal Flood Hazard. However, a part of the proposed waste washwater pipeline extends into the SJR, which is located within Zone A, Special Flood Hazard Area. As discussed in Response 4.10(c)(iv), the proposed Project does not place structures within a 100-year floodplain. Furthermore, the Project site is not within a direct dam inundation zone.[2] 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.

Tsunamis are ocean waves generated by tectonic displacement of the seafloor associated with shallow earthquakes, seafloor landslides, rock falls, and exploding volcanic islands. Tsunamis can have wave lengths of up to 120 mi and travel as fast as 500 miles per hour (mph) across hundreds of miles of deep ocean. Upon reaching shallow coastal waters, the waves can reach up to 50 ft in height, causing great devastation to near-shore structures. The Project site is located approximately 2.7 mi from the Pacific Ocean shoreline and is not located within a tsunami inundation area.[3] Therefore, the Project site is not subject to inundation from tsunamis, and there is no risk of release of pollutants due to inundation from tsunami.

Seiching is a phenomenon that occurs when seismic ground shaking induces standing waves (seiches) inside water retention facilities (e.g., reservoirs and water tanks). Such waves can cause retention structures to fail and flood downstream properties. Because the proposed Project is within the vicinity of the SJR, the Project site could be at risk of seiches. However, the Project site is not within the SJR's dam inundation zone. In addition, although the Project site is located approximately 0.9 mi northeast of Big Canyon Reservoir, the Project site is not within the inundation pathway of Big Canyon Reservoir.[4] Furthermore, as stated in Section 4.9, Hazards and Hazardous Materials, potentially hazardous substances such as chemical agents, solvents, and paints would be used

1 City of Newport Beach. 2014a. Natural Hazards Mitigation Plan, Dam Failure Inundation Map.
2 Ibid.
3 City of Newport Beach. 2014b. Natural Hazards Mitigation Plan, Tsunami Inundation Map.
4 City of Newport Beach. 2014a. Natural Hazards Mitigation Plan, Dam Failure Inundation Map.

during construction. Operation of the filtration facility and booster pumps 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 is limited and would be in compliance with existing government regulations. Additionally, chemicals used during construction and operation would be appropriately stored inside the existing and proposed buildings. Therefore, in the unlikely event of inundation from a seiche, the proposed Project would not increase the risk of release of pollutants, and a less than significant impact would occur. 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. The Santa Ana RWQCB adopted a Water Quality Control Plan (i.e., Basin Plan) (January 1995, with amendments effective on or before February 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. Additionally, as also discussed in Response 4.10(a), groundwater that is discharged to surface waters can introduce total dissolved solids, nitrates, and other constituents to surface waters. If groundwater dewatering is required, the applicable groundwater dewatering permit would be obtained from the Santa Ana RWQCB. Because the Project would not substantially increase the total impervious surface area on the Project site, stormwater runoff during operation would remain similar to existing conditions. Additionally, a future proposed waste washwater treatment facility may be needed. If necessary, the installation of the waste washwater treatment facility would ensure that the proposed Project would not impact the SJR recycled water quality. As such, the Project would not result in water quality impacts that would conflict with the Basin Plan. Furthermore, impacts related to conflict 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. SGMA requires governments and water agencies of high- and medium-priority basins to halt overdraft of groundwater basins. The SGMA requires the formation of local Groundwater Sustainability Agencies (GSAs), which are required to adopt Groundwater Sustainability Plans to manage the sustainability of the groundwater basins. As discussed in Response 4.10(b), the Project site is not located within any designated groundwater basins and therefore is not required to adopt a Groundwater Sustainability Plan. Because there is not an adopted Groundwater Sustainability Plan applicable to the Project site, the proposed Project would not conflict with or obstruct the implementation of a sustainable groundwater management plan, and no mitigation is required.

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

4.11 LAND USE AND PLANNING

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Physically divide an established community?	☐	☐	☐	☒
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?	☐	☐	☐	☒

4.11.1 Impact Analysis

a) Would the Project physically divide an established community?

The Project site is located within the area owned and operated by the IRWD as part of the SJR. Project improvements would include construction and operation of facilities as part of the existing SJR and therefore would not divide an established community. Given that Project improvements would occur within the existing SJR area, 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 Project is zoned Public Facilities in the City's Municipal Code and is designated Public Facilities in the City's General Plan. Water facilities are not subject to city zoning regulations per Government Code 53091. Nevertheless, the proposed Project does not propose changes to the zoning or land use designations of the site. Therefore, the proposed Project would not conflict with any applicable land use plan, policy, or regulation, and no impact would occur. No mitigation is required.

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

4.12 MINERAL RESOURCES

Would the project:	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?	☐	☐	☐	☒
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?	☐	☐	☐	☒

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 Figure 4.5-4 of the City's General Plan Update EIR, the proposed Project is located within MRZ-3 (areas containing mineral deposits of undetermined significance).[1] Implementation of the proposed Project would not result in the loss of availability of known mineral resources or a

[1] City of Newport Beach. 2006. General Plan Update Environmental Impact Report. July 25.

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

Would the project result in:	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?	☐	☒	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
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?	☐	☐	☐	☒

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 would be smooth enough that ground-borne vibration from street traffic would 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 $1x10^{-6}$ 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 would be used to assess potential construction noise impacts.

City of Newport Beach Noise Element of the General Plan. The noise standards specified on Table N-2 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 65 dBA CNEL. Additionally, the City has exterior noise criteria for park areas such that exterior active-use areas should not exceed 70 dBA CNEL.

City of Newport Beach Municipal Code. Section 10.26.025, Community Noise Control, provides the residential noise standards for both exterior and interior, which represent the maximum acceptable noise levels as measured from any residential property in the City. It is considered unlawful to create noise on any property that results in noise levels exceeding 55 dBA L_{eq} for a period of 15 minutes at residential uses during the daytime hours from 7:00 a.m. to 10:00 p.m. and 50 dBA L_{eq} for a period of 15 minutes at residential uses during the nighttime hours from 10:00 p.m. to 7:00 a.m. Maximum noise levels lasting less than 1 minute in any given hour may not exceed 75 dBA L_{max} during daytime hours and 70 dBA L_{max} during nighttime hours.

Section 10.28.040, Construction Activity – Noise Regulations, states:

A. No person shall, while engaged in construction, remodeling, digging, grading, demolition, painting, plastering or any other related building activity, operate any tool, equipment or machine in a manner which produces loud noise that disturbs, or could disturb, a person of normal sensitivity who works or resides in the vicinity, unless authorized to do so in accordance with subsection (B) of this section.

B. The provisions of subsection (A) of this section shall not apply to the following:

   1. Work performed on any weekday, which is not a federal holiday, between the hours of 7:00 a.m. and 6:30 p.m.

   2. Work performed on a Saturday, in any area of the City that is not designated as a high-density area, between the hours of 8:00 a.m. and 6:00 p.m.

   3. Emergency work performed pursuant to written authorization of the Community Development Director, or his or her designee.

4. Maintenance, repair or improvement of any public work or facility by public employees, by any person or persons acting pursuant to a public works contract, or by any person or persons performing such work or pursuant to the direction of, or on behalf of, any public agency; provided, however, this exception shall not apply to the City of Newport Beach, or its employees, contractors or agents, unless:

    a. The City Manager or department director determines that the maintenance, repair or improvement is immediately necessary to maintain public services;

    b. The maintenance, repair or improvement is of a nature that cannot feasibly be conducted during normal business hours; or

    c. The City Council has approved project specifications, contract provisions, or an environmental document that specifically authorizes construction during hours of the day which would otherwise be prohibited pursuant to this section.

Because the City's Municipal Code does not establish construction noise thresholds, for the purposes of analyzing significance under CEQA, the FTA's criteria[1] 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 Newport Beach 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) (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 8-1 of the FTA Manual are used in this analysis for ground-borne vibration impacts on human annoyance, as shown in **Table 4.13.A Human Response to Different Levels of Ground-Borne Nosie and Vibration**. The criteria account for variation in project types as well as the frequency of events, which differ widely among projects. When there are fewer

[1] Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*. September.

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

Land Use Category	Ground-Borne Vibration Impact Levels (VdB re 1 µin/sec)		
	Frequent Events[1]	Occasional Events[2]	Infrequent Events[3]
Category 1: Buildings where vibration would interfere with interior operations.	65 VdB	65 VdB	65 VdB
Category 2: Residences and buildings where people normally sleep.	72 VdB	75 VdB	80 VdB
Category 3: Institutional land uses with primarily daytime use.	75 VdB	78 VdB	83 VdB

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] Frequent events are defined as more than 70 vibration events of the same source per day.
[2] Occasional events are defined as between 30 and 70 vibration events of the same source per day.
[3] Infrequent events are defined as fewer than 30 vibration events of the same kind per day.
µin/sec = microinches per second
FTA = Federal Transit Administration
VdB = vibration velocity decibels

events per day, it takes higher vibration levels to evoke the same community response. This is accounted for in the criteria by distinguishing between projects with frequent and infrequent events, in which the term "frequent events" is defined as more than 70 events per day.

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 Construction Vibration Damage Criteria** lists the potential vibration building damage criteria associated with construction activities, as suggested in the 2018 FTA Manual.[1] FTA guidelines show that a vibration level of up to 0.5 in/sec PPV[2] 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

[1] Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual.* FTA Report No. 0123. September.
[2] Ibid.

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 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.[1]

Existing Noise Environment. The Project site is surrounded by existing single-family homes to the west, north, and east as well as an existing private park to the east and the existing SJR 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. AECOM conducted two long-term 24-hour measurements from May 23, 2019 to May 24, 2019, and three short-term noise level measurements on May 23, 2019. The locations of the noise measurements are shown on **Figure 4.13.1**, with the results shown in **Table 4.13.C Existing Noise Level Measurements at Surrounding Sensitive Receptors**.

Table 4.13.C: Existing Noise Level Measurements at Surrounding Sensitive Receptors

Location[1]	Date	Daytime Noise Levels[2] (dBA L_{eq})	Nighttime Noise Levels[3] (dBA L_{eq})
LT-1: Located at the northeastern corner of the exist equipment pad for the filtration facility	5/23/19 to 5/24/19	44.3–48.3	41.5–49.0
LT-2: Located near the single-family home at 18 Nerval, northeast of the Project site	5/23/19 to 5/24/19	41.9–46.9	35.2–42.8
ST-1: Located near the private park, east of the Project site	5/23/19	44.4–49.4	37.7–45.3
ST-2: Located east of the single-family homes along Ridgeline Drive, southwest of the Project site	5/23/19 to 5/24/1	39.4-44.4	32.7-40.3
ST-3: Located east of the single-family homes along Port Durness Place, northwest of the Project site	5/23/19 to 5/24/19	42.4–47.4	35.7-43.3

Source: Compiled by AECOM (May 2019).
[1] Hourly noise levels at ST-1, ST-2, and ST-3 were calculated based on a 15-minute short-term measurement and then adjusting this to the pattern of the closest long-term measurement.
[2] Daytime Noise Levels were measured from 7:00 a.m. to 10:00 p.m.
[3] Nighttime Noise Levels were measured from 10:00 p.m. to 7:00 a.m.
dBA = A-weighted decibel
L_{eq} = the average noise level during a specific hour
LT = long-term measurement
ST = short-term measurement

Sensitive Land Uses in the Project Vicinity. The Project site is surrounded by existing single-family homes to the west, north, and east as well as an existing private park to the east and the existing SJR to the south. The closest existing sensitive receptors to the existing facility are the residential uses approximately 290 ft east of the Project site. During construction of the proposed pipeline, construction activities may occur as close as 70 ft from the nearest residence.

[1] Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*. FTA Report No. 0123. September.

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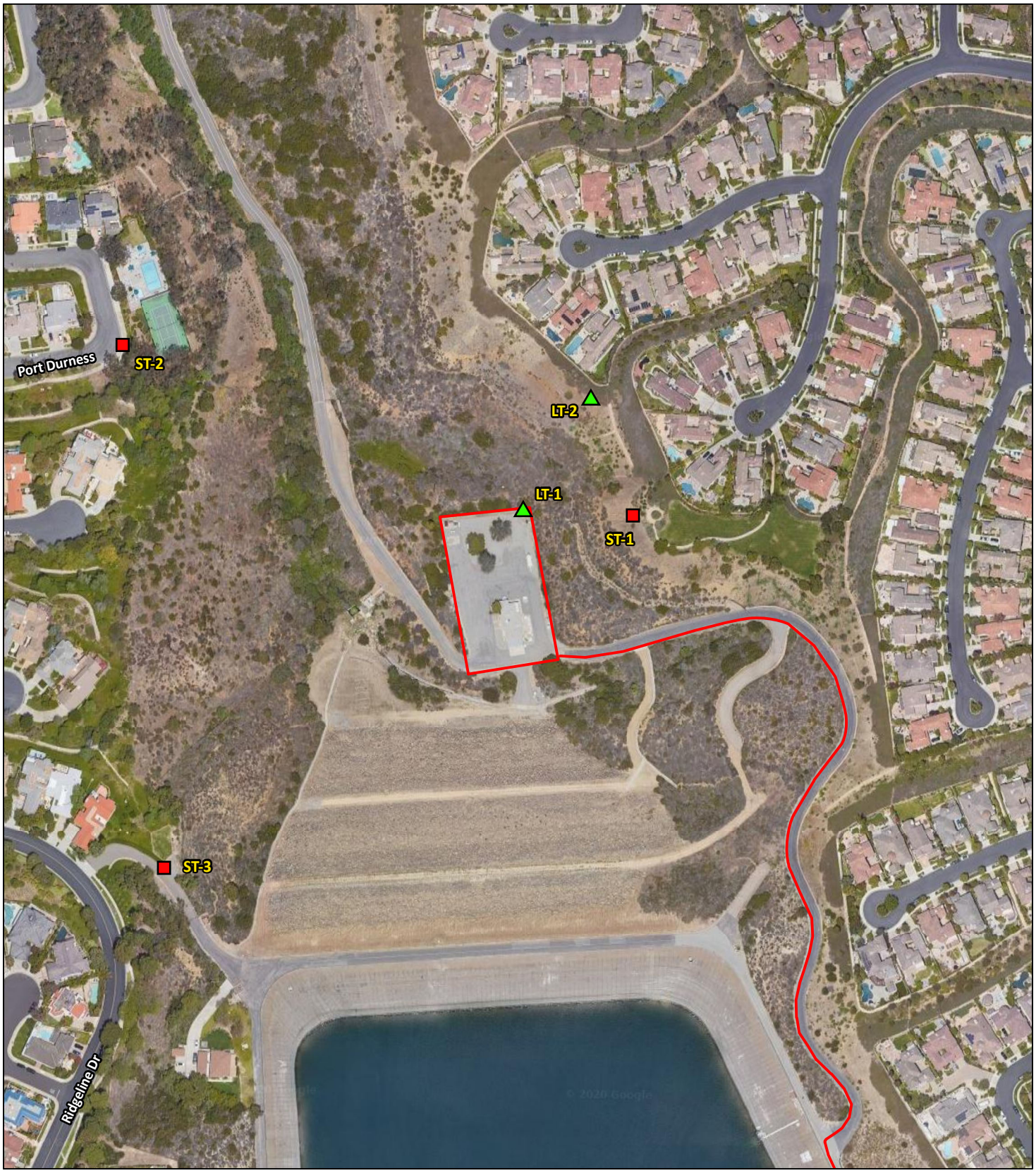

LSA

LEGEND

Project Location

LT-X Long-Term (24 hour) Measurement Location

ST-X Short-term (20 minute) Measurement Location

FIGURE 4.13.1

N

0 125 250

FEET

SOURCE: Google Maps (2018)

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San Joaquin Reservoir Filtration Facility

Noise Monitoring Locations

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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 noise. The Project would consist of the construction and operation of a new filtration facility and supporting equipment as well as a new pipeline connection to the existing reservoir.

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, excavation, paving, and erecting buildings on the Project site.

Construction crew commutes and the transport of construction equipment and materials to the Project site would result in a maximum of 36 trips during the phases, 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 36 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, excavation, building construction, and paving. 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.

The site preparation and excavation phase tend to generate the highest noise levels because earthmoving equipment are the noisiest construction equipment. Additionally, this phase would be the longest of the phases expected to occur near the Project site boundary. The three loudest pieces of equipment during this phase are estimated to include an excavator, loader, and backhoe. 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.

In addition to the reference maximum noise level, the usage factor provided in **Table 4.13.D Typical Maximum Construction Equipment Noise Levels** 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_{max})

Type of Equipment	Acoustical Usage Factor	Suggested Maximum Sound Levels for Analysis (dBA L_{max} at 50 ft)
Air Compressor	40	80
Backhoe	40	80
Cement Mixer	50	80
Concrete/Industrial Saw	20	90
Crane	16	85
Excavator	40	85
Forklift	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_{max} = maximum 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 Table 4.13.D, the composite noise level of the two loudest pieces of equipment, typically the excavator and backhoe, during construction, as required by the FTA criteria, would be 84 dBA L_{eq} at a distance of 50 ft from the construction area.

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.

It is expected that noise levels during construction at the nearest residences would approach 82 dBA L_{eq} when the new pipeline is being installed along the eastern edge of the reservoir. While construction-related, short-term noise levels have the potential to be higher than existing ambient noise levels in the project area under existing conditions, the noise impacts would no longer occur once project construction is completed, and construction-related noise impacts would remain below the 90 dBA L_{eq} 1-hour construction noise level criteria as established by the FTA.[1]

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). Although construction noise would be higher than the ambient noise in the Project vicinity, construction noise would cease to occur once project construction is completed. Mitigation Measure NOI-1 would limit construction hours and require the implementation of noise-reducing measures during construction. Therefore, with implementation of mitigation, construction activity noise impacts would be less than significant.

On-Site Operation-Related Impacts. Noise impacts associated with the long-term operation-related noise must comply with the standards presented in Section 10.26.0254 of the City's Municipal Code, which were described above. Section 2.5 of this document provides a detailed description of the operations associated with the proposed Project. The primary sources of noise would include the operation of a new transformer, required for SCE service, located east of the existing control building on a new concrete pad and additional pumps and a new filtration system that would be housed within a concrete masonry unit (CMU) structure on site, north of the existing control building. While the additional equipment associated with the proposed Project has the potential to create noise impacts at the surrounding receptors, it is expected that noise from the proposed SCE transformer, which has a noise level of approximately 50 dBA L_{eq} at a distance of 25 feet, would be reduced to 29 dBA L_{eq} at the nearest residential property line to the northeast approximately 290

[1] Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*. FTA Report No. 0123. September.

feet away. The resulting level would be well below the daytime and nighttime noise standards of 55 dBA L_{eq} and 50 dBA L_{eq}, respectively. Because the additional pumps and a new filtration system would be housed within a concrete masonry unit (CMU), that structure would greatly reduce noise generated during operation. In addition to the proposed building, noise attenuation features, if necessary, would be incorporated into the final design of the Project to reduce noise levels to achieve compliance with the City of Newport Beach Noise Ordinance. With incorporation of Mitigation Measure NOI-2, potential impacts related to operational noise would be reduced to a less than significant level.

Significance Determination: Less than Significant with Mitigation Incorporated

Mitigation Measures: The following measures would reduce short-term, construction-related and long-term operational noise impacts resulting from the proposed Project to a less than significant level.

NOI-1 **Construction Noise.** Prior to commencement of excavation activities, IRWD shall verify that construction plans include 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 Newport Beach Municipal Code, which states that construction activities are prohibited on any weekday between 6:30 p.m. and 7:00 a.m. the following day, on Saturdays before 8:00 a.m. and after 6:00 p.m., and all Sundays and federal holidays.
- During all project area excavation, 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.

NOI-2 **Operational Noise.** The Project shall be designed to ensure that operational noise levels at the property line of neighboring receptors would be in compliance with the City of Newport Beach's Noise Ordinance. An acoustical consultant shall measure the noise levels at the nearest residential property line to the newly installed equipment once all project equipment that generates noise is operational. The noise measurements shall be collected using a Type 1 or Type 2 noise meter.

b) Would the Project result in generation of excessive groundborne vibration or groundborne 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 would include excavation and earth-moving vehicles (i.e., excavators that would be similar to large bulldozers), but no pile driving or percussive impact construction methods would be used. **Table 4.13.E Vibration Source Amplitudes for Construction Equipment** 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.E: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_V at 25 ft	
	PPV (in/sec)	L_V (VdB)[1]
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).
[1] RMS VdB re 1 µin/sec.
µin/sec = micro-inches per second
ft = feet
FTA = Federal Transit Administration
in/sec = inches per second
L_V = velocity in decibels
PPV = peak particle velocity
RMS = root-mean-square
VdB = vibration velocity decibels

Bulldozers and trucks used for construction of the proposed Project would generate the highest ground-borne vibration levels. Based on the FTA Manual[1], a large bulldozer would generate vibration levels of 0.029 PPV (in/sec) and 73.6 VdB when measured at 70 ft, which is the approximate distance to the nearest residence. Other construction equipment and activities would generate vibration levels much lower than those of bulldozers and loaded trucks and would, therefore, result in lower vibration levels. This vibration level would be below the threshold of annoyance for occasional events and the damage thresholds for new and older residential buildings; therefore, no substantial ground-borne vibration levels from construction activities would occur. Short-term construction impacts related to ground-borne vibration or ground-borne noise would be

[1] Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual.* FTA Report No. 0123. September.

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 residential 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 3.75 mi northwest of the Project site.[1] As a result, the proposed Project would not expose people residing or working in the Project area to excessive noise levels from aircraft. Therefore, 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.

[1] John Wayne Airport (JWA). 2019. Annual 60, 65, 70, and 75 CNEL Noise Contour Maps.

4.14 POPULATION AND HOUSING

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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)?	☐	☐	☐	☒
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

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's purpose is to improve the quality of water transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. There is no housing component proposed as part of the proposed Project; therefore, the Project would not directly induce population growth in the region. The proposed Project would not generate the need for additional full-time staff, 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?

The proposed Project site is primarily developed with existing SJR facilities. No housing currently exists on the Project site. Therefore, the proposed Project would not result in the displacement of people or housing. Therefore, the proposed Project would not displace substantial numbers of people or housing, necessitating the construction of replacement housing elsewhere, and no mitigation is required.

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

4.15 PUBLIC SERVICES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	☐	☐	☐	☒
ii) Police protection?	☐	☐	☐	☒
iii) Schools?	☐	☐	☐	☒
iv) Parks?	☐	☐	☐	☒
v) Other public facilities?	☐	☐	☐	☒

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 water quality transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. The proposed Project would provide recycled water supply to IRWD's Zone B recycled water service area and would maximize the use of recycled water. 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

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒

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 recycled water supply to IRWD's Zone B recycled water service area and would maximize the use of recycled water by installing filtration facilities to reduce algae/detritus concentrations. The proposed Project does not include recreational facilities and would not change the number of employees on site. 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

Would the project:	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?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e. g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

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 safety, pedestrian, bicycle, and transit facilities in the Project area.

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 filtration facility at the existing SJR, which is located south of Bonita Canyon Drive in Newport Beach. The new filtration facility would be constructed on an existing concrete pad north of the existing FCF that is located on the north side of the SJR. The filtration facility would be a single-level, above-grade structure that would total approximately 4,000 sf. The project construction is anticipated to take approximately 14 months, from March 2021 to May 2022.

Typical operation of the proposed Project would be conducted remotely, and there would not be any full-time dedicated staff at the site. The Project would 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 Project trips that would be generated on a temporary basis throughout each phase of construction were estimated based on the number of construction workers and delivery of construction materials.

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

10. **Demolition (20 days):** 10 workers and 2 haul trucks per day
11. **Site Preparation (2 days):** 5 workers per day
12. **Grading (10 days):** 10 workers and 2 haul trucks per day

13. **Building Construction (270 days):** 6 workers and 2 vendor trucks per day
14. **Paving (10 days):** 18 workers per day
15. **Architectural Coating (10 days):** 1 worker per day

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. A passenger car equivalent (PCE) factor of 2.0 has been applied to the trucks.

As shown in **Table 4.17.A Construction Trip Generation Summary**, Phase 5 (Paving) is the most intense phase of construction (i.e., phase with the highest construction trip generation) but has a short duration of only 10 days. Paving is anticipated to generate 36 average daily trips (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 14 or fewer peak-hour trips in PCEs.

The construction-related trip generation for the project is nominal (18 or fewer peak-hour trips for any single phase of construction) and temporary for a duration of approximately 14 months (with a peak of only 10 days). As such, a traffic impact analysis is not required.

Although the proposed Project would generate 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 Pedestrian Plan and Bicycle Plans. The proposed Project would not make any changes to the public right-of way in the Project vicinity and would not conflict with existing or planned pedestrian, bicycle, or transit facilities. Therefore, Project impacts associated with conflicts with a program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities, 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 or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

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 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."

Table 4.17.A: Construction Trip Generation Summary

Phase			Vehicles				Vehicle Trip Generation							PCE Trip Generation						
Description		Duration	Description	Quantity	Type	PCE[1]	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	Demolition	20 days	Construction Workers[2]	10	Passenger	1	20	10	0	10	0	10	10	20	10	0	10	0	10	10
			Haul Trucks[3]	2	Large Truck	2	4	1	1	2	1	1	2	8	2	2	4	2	2	4
			Total				**24**	**11**	**1**	**12**	**1**	**11**	**12**	**28**	**12**	**2**	**14**	**2**	**12**	**14**
2	Site Preparation	2 days	Construction Workers[2]	5	Passenger	1	10	5	0	5	0	5	5	10	5	0	5	0	5	5
			Trucks	0	Large Truck	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total				**10**	**5**	**0**	**5**	**0**	**5**	**5**	**10**	**5**	**0**	**5**	**0**	**5**	**5**
3	Grading	10 days	Construction Workers[2]	10	Passenger	1	20	10	0	10	0	10	10	20	10	0	10	0	10	10
			Haul Trucks[3]	2	Large Truck	2	4	1	1	2	1	1	2	8	2	2	4	2	2	4
			Total				**24**	**11**	**1**	**12**	**1**	**11**	**12**	**28**	**12**	**2**	**14**	**2**	**12**	**14**
4	Building Construction	270 days	Construction Workers[2]	6	Passenger	1	12	6	0	6	0	6	6	12	6	0	6	0	6	6
			Vendor Trucks[3]	2	Large Truck	2	4	1	1	2	1	1	2	8	2	2	4	2	2	4
			Total				**16**	**7**	**1**	**8**	**1**	**7**	**8**	**20**	**8**	**2**	**10**	**2**	**8**	**10**
5	Paving	10 days	Construction Workers[2]	18	Passenger	1	36	18	0	18	0	18	18	36	18	0	18	0	18	18
			Trucks	0	Large Truck	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total				**36**	**18**	**0**	**18**	**0**	**18**	**18**	**36**	**18**	**0**	**18**	**0**	**18**	**18**
6	Architectural Coating	10 days	Construction Workers[2]	1	Passenger	1	2	1	0	1	0	1	1	2	1	0	1	0	1	1
			Trucks	0	Large Truck	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total				**2**	**1**	**0**	**1**	**0**	**1**	**1**	**2**	**1**	**0**	**1**	**0**	**1**	**1**

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

[1] An employee vehicle has a PCE of 1 and a construction truck has a PCE of 2.

[2] Workers are assumed to arrive in the a.m. peak hour and depart during the p.m. peak hour.

[3] Truck trips are assumed to occur throughout the day, including the a.m. and p.m. peak hours.

ADT = average daily traffic

PCE = passenger car equivalent.

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), "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 would be assumed to cause a less than significant transportation impact.[1] In addition, the City of Newport Beach has established a screening criterion for projects generating up to 300 ADT. As such, a project generating 300 ADT or less is screened out of a VMT analysis due to the presumption of a less-than-significant impact. Since the proposed Project is estimated to generate very few ADT (36 passenger vehicle ADT) and peak-hour trips (18 trips) on a temporary basis for construction, and the proposed Project would not generate any new vehicle trips during Project operations since there would not be any full-time dedicated staff on site, 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.

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)?

In the existing condition, access to the SJR is provided by SR-73 via intersections at Bonita Canyon Drive/Prairie Road and Ford Road/Prairie Road, and is controlled by a gate located on the access road at the eastern terminus of Ford Road. Forklift and pickup truck access would also be provided on the west side of the building through 10 ft wide acoustical doors. Clear road access would be maintained around the perimeter of the buildings to allow maintenance vehicles and chemical delivery trucks to easily enter and exit the site. The Project site access would not change as part of the proposed Project. As such, the proposed Project would not substantially increase hazards for

[1] 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 (accessed February 2020).

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?

The Project site access would not change as part of the proposed Project and would continue to be accessed via intersections at Bonita Canyon Drive/Prairie Road and Ford Road/Prairie Road, and through a controlled gate at the eastern terminus of Ford Road. Therefore, emergency access would continue to be provided from Ford Road (access road). Since the proposed Project would not change the existing configuration of the Project site, emergency access 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

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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)?	☐	☒	☐	☐
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.	☐	☒	☐	☐

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 the Project site has been included as part of one archaeological resources survey (OR-01828). The records search identified six archaeological sites within 0.5 mi of the Project site, with the closest resource located approximately 0.35 mi northeast of the existing concrete pad. However, no cultural resources have been previously recorded within the Project site. In addition, 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 February 7, 2020, the 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 the IRWD is requested, the IRWD must be contacted within 30 days of receipt of the letter. The Acjachemen Nation did not request additional consultation with the IRWD. The Kizh Nation contacted the IRWD on February 11, 2020 to request that a meeting be held with the IRWD. The IRWD held its consultation meeting with the Kizh Nation on April 21, 2020. The Kizh Nation indicated it would provide the IRWD with tribal archive maps for this area, although they stated there were no tribal indicators in the area. According to the Final Geotechnical Report,[1] excavation for the proposed transformer pad required for SCE service and retaining walls would occur in native sediments. In the unlikely event that excavation for the proposed transformer pad and the proposed retaining wall 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. No additional mitigation is required.

Significance Determination: Less than Significant Impact 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, 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

[1] Allied Geotechnical Engineers, Inc. 2020. Final Geotechnical Report San Joaquin Reservoir Filtration Project. July 24.

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 SCE transformer pad and retaining wall. If any tribal cultural resources are identified during the observation and if evidence is presented that the discovery proves to be potentially significant under CEQA, as determined by the IRWD's consulting Project archaeologist, the tribal representatives and the Project archaeologist, in consultation with IRWD, shall determine the appropriate actions for exploration and/or recovery.

4.19 UTILITIES AND SERVICE SYSTEMS

Would the project:	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?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid wastes?	☐	☐	☒	☐

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 is within the IRWD 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.[1] IRWD serves 9 square miles within the City, which accounts for approximately 7 percent of IRWD's total service area boundaries.[2] IRWD's main sources of water include: (1) groundwater; (2) imported water from the Municipal Water District of Orange County, who purchases water from the Metropolitan Water District of Southern California (MWD); and (3) recycled water. Approximately 48 percent, 27 percent, and 21 percent of the IRWD's water comes from groundwater, imported water, and recycled water, respectively.[3]

The purpose of the proposed Project is to improve the quality of water transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. The proposed

1 Irvine Ranch Water District (IRWD). website, 2020.
2 City of Newport Beach. 2006. General Plan Update Environmental Impact Report. July 25.
3 Irvine Ranch Water District (IRWD). Water Supply & Reliability. Website: https://www.irwd.com/services/water-supply-reliability (accessed February 17, 2020).

Project would maintain the facility outflow capacity of 18.5 cubic feet per second (cfs) and increase the filtration limit to 70 micrometers (µm), which is the accepted standard in the irrigation industry for misters (200-mesh screens). Although the Project itself includes the expansion of a water treatment facility, the Project is intended to improve filtration of the SJR's existing water supply, and would maintain the current outflow capacity. Additionally, operation of the proposed Project would be conducted remotely, and there would not be any full-time dedicated staff on site. Further, overall water and wastewater demand 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.

Stormwater 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 stormwater runoff from the Project site due to the minimal increase in impervious surface. Therefore, the proposed Project would not contribute substantial 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 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 Project does not include any utility improvements related to natural gas. Therefore, the 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 4.19(a) above, the proposed Project would maintain the facility outflow capacity of 18.5 cfs. Overall water demand would remain similar to existing conditions, and 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 the 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 transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. As described in the Project Description, the proposed Project would construct a filtration facility and would replace booster pumps within the existing FCF. The proposed Project would be operated remotely; therefore, staff visits to the site would be limited to periods of routine maintenance and to periodically check on facilities. The generation of wastewater would be limited to occasional restroom use and cleaning. Such incidental use would be well within the service capacity of the IRWD. Therefore, impacts associated with whether the wastewater treatment provider has adequate capacity to serve the proposed Project's needs is less than significant, 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 Project site is served by the Frank R. Bowerman Sanitary Landfill. The existing Project site is partially developed with facilities associated with the operation of the SJR. The proposed Project is not expected to generate significant amounts of solid waste during construction given there are no structures or features to demolish. Although some solid waste could be generated (e.g., disposing of packaging or other construction materials), these amounts would not likely be significant enough to have a meaningful impact, if at all, on nearby landfills. Further, because operation of the proposed 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. The proposed Project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure. Moreover, the Project would not impair the attainment of solid waste reduction

goals. Therefore, the 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 of 1989 (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. AB 341 (2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the State that not less than 75 percent of solid waste generated be source-reduced, recycled, or composted by the year 2020 and annually thereafter. In addition, AB 341 required CalRecycle to develop strategies to achieve the State's policy goal. CalRecycle has conducted multiple workshops and published documents that identify priority strategies to assist the State in reaching the 75 percent goal by 2020.

Although the proposed Project is not expected to generate substantial amounts of solid waste during construction or operation, some solid waste would nevertheless 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 waste, and no mitigation would be required.

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

4.20 WILDFIRE

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
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?	☐	☐	☒	☐

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 Newport Beach VHFHSZs in the LRA[1] map, the Project site is located within a State or Federal Responsibility Area non-VHFHSZ.[2] Although the Project site is not located within a VHFHSZ, the SJR is surrounded by an LRA VHFHSZ.

Furthermore, as discussed in Section 4.9, Hazards and Hazardous Materials, the proposed Project does not include any characteristics (e.g., temporary or permanent road closures or the long-term blocking of road access) that would physically impair or otherwise conflict with the City's Emergency Operation Plan (2011). 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 ordinances 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, implementation of the proposed Project would result in a less than significant impact associated with an adopted emergency response plan or emergency evacuation plan. No mitigation is required.

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

2 California Department of Forestry and Fire Protection (CAL FIRE), Fire and Resource Assessment Program. 2011. Newport Beach Very High Fire Hazard Severity Zones in LRA as Recommended by CAL FIRE. October.

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

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 Project site is surrounded by vacant land directly north of the SJR and residential uses to the east, west, and south. The proposed Project involves the construction of a filtration facility and the potential construction of a waste washwater treatment facility. The proposed buildings would be developed on an existing concrete pad, which would reduce the amount of vegetation/combustible materials on the Project site. The Project site is predominantly flat with no significant slopes adjacent to the site. Furthermore, the Project site is not located within a VHFHSZ. Although the SJR is surrounded by an LRA VHFHSZ, the proposed Project construction and operation would not change the characteristics of the Project site. 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 an 8-inch-diameter pipeline from the equalization basin to the southern end of the Reservoir. 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. Although the SJR is surrounded by an LRA VHFHSZ, 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. However, a part of the proposed 8-inch-diameter filter waste washwater pipeline extends into the SJR, which is located within Zone A, Special Flood Hazard Area without Base Flood Elevation. Zone A includes areas subject to inundation by the 1 percent annual chance flood.

Although a part of the Project site is located in an area that could be prone to flooding, the Project site is not located within a VHFHSZ. Additionally, according to the Laguna Beach Quadrangle Seismic Hazard Zones map, part of the SJR is within an earthquake-induced landslide zone.[1] However, the Project site is relatively flat and lacks significant slopes, and no significant slopes would 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. 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.

[1] 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?	☐	☒	☐	☐
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)?	☐	☐	☒	☐
c)	Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

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 is partially developed with facilities associated with the operation of the SJR. The purpose of the proposed Project is to improve the quality of water transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. 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, CUL-1, PALEO-1, NOI-1, NOI-2, and TCR-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 is partially developed with existing facilities associated with operation of the SJR. The purpose of the proposed Project is to improve the quality of water transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. 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 is partially developed with existing facilities associated with operation of the SJR. The purpose of the proposed Project is to improve the quality of water transmitted from the SJR by constructing new filtration facilities that would reduce algae/detritus concentrations. 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, CUL-1, PALEO-1, NOI-1, NOI-2 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 the Irvine Ranch Water District (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 Mitigation and Monitoring Reporting Program** 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
4.1 Aesthetics			
The proposed Project would not result in significant adverse impacts related to aesthetics. No mitigation would be required.			
4.2 Agriculture and Forestry Resources			
The proposed Project would not result in significant adverse impacts related to agriculture and forestry resources. No mitigation would be required.			
4.3 Air Quality			
The proposed Project would not result in significant adverse impacts related to air quality. No mitigation would be required.			
4.4 Biological Resources			
BIO-1	**General Nesting Bird Surveys and Avoidance of Active Nests.** Any vegetation removal, construction, or grading activities shall take place outside the active nesting bird season (i.e., nesting bird season is February 1–August 31), when feasible. Should these activities take place during the nesting bird season, a qualified biologist shall conduct a nesting bird survey no more than 5 days prior to the start of such activities. Any available focused survey data, particularly with regard to coastal California gnatcatcher nesting locations, shall be referenced prior to the survey. If construction activities using heavy equipment (e.g., graders, bulldozers, and excavators) continue through the nesting season, weekly nesting bird surveys shall be conducted until the construction activities are completed. Each nesting bird survey shall include the work area and areas adjacent to the site (within 500 feet, as feasible) that could potentially be affected by Project-related activities such as noise, vibration, increased human activity, and dust. For any active nest(s) identified, the qualified biologist shall establish an appropriate buffer zone around the active nest(s). The appropriate buffer shall be determined by the qualified biologist based on species, location, and the nature of the proposed activities. Project activities shall be avoided within the buffer zone until the nest is deemed no longer active, as determined by the qualified biologist.	Construction Contractor and Project Biologist	During construction
BIO-2	**Coastal Sage Scrub (CSS) within the Orange County Central/Coastal Natural Community Conservation Planning (NCCP) Reserve.** Irvine Ranch Water District (IRWD) shall implement the Project in accordance with the infrastructure siting policies and the take authorization pursuant to the Orange County Central/Coastal NCCP/HCP). The use of the authorization for the take of a maximum of 0.0184 acre of CSS (the exact acreage to be determined upon final design), would be consistent with Section 5.9 Infrastructure Policies outlined in the NCCP & HCP for the Central & Coastal Subregion and within the provisions of the NCCP/HCP, operation, maintenance, repair and reconstruction of existing infrastructure.	IRWD	Pre-construction
4.5 Cultural Resources			
CUL-1	**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 Public Resources Code 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	Construction Contractor	During construction

Table 5.A: Mitigation and Monitoring Reporting Program

Mitigation Measures		Responsible Party	Timing for Mitigation Measure
	(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			
The proposed Project would not result in significant adverse impacts related to energy. No mitigation would be required.			
4.7 Geology and Soils			
PALEO-1	**Paleontological Resources.** IRWD shall retain a qualified Principal Paleontologist who meets the standards set by the Society of Vertebrate Paleontology to provide paleontological monitoring in deposits with high paleontological sensitivity (i.e., the Los Trancos Formation). No monitoring is required for excavations in deposits with no paleontological sensitivity (i.e., Artificial Fill and the Diabasic Intrusive Rocks of the El Modeno Volcanics). The Principal Paleontologist shall be present at the pre-construction conference; shall, in conjunction with IRWD, establish procedures for paleontological resource surveillance; and shall establish, in conjunction with IRWD, procedures for temporarily halting or redirecting work to permit the sampling, identification and evaluation of the fossils as appropriate. In the event that paleontological resources are encountered during the course of ground disturbance, all work within 50 feet of the resources shall be halted until the find has been appropriately assessed and avoided or mitigated, if determined to be significant. The Principal Paleontologist shall assess the significance of the find and meet with IRWD to discuss the discovery. If any find is determined to be significant, IRWD and the Principal Paleontologist shall determine the appropriate avoidance measures or other appropriate mitigation. IRWD and the Principal Paleontologist shall discuss the scientific analysis, professional museum curation, and documentation according to the current professional standards. A report of findings shall be prepared by the Principal Paleontologist to document the results of the monitoring program.	Construction Contractor and Project Paleontologist	Prior to construction
4.8 Greenhouse Gas Emissions			
The proposed Project would not result in significant adverse impacts related to greenhouse gas emissions. No mitigation would be required.			
4.9 Hazards and Hazardous Materials			
The proposed Project would not result in significant adverse impacts related to hazards and hazardous materials. No mitigation would be required.			
4.10 Hydrology and Water Quality			
The proposed Project would not result in significant adverse impacts related to hydrology and water quality. No mitigation would be required.			
4.11 Land Use and Planning			
The proposed Project would not result in significant adverse impacts related to land use and planning. No mitigation would be required.			
4.12 Mineral Resources			
The proposed Project would not result in significant adverse impacts related to mineral resources. No mitigation would be required.			

Table 5.A: Mitigation and Monitoring Reporting Program

Mitigation Measures		Responsible Party	Timing for Mitigation Measure
4.13 Noise			
NOI-1	**Construction Noise.** Prior to commencement of excavation activities, Irvine Ranch Water District (IRWD) shall verify that construction plans include 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 Newport Beach Municipal Code, which states that construction activities are prohibited on any weekday between 6:30 p.m. and 7:00 a.m. the following day, on Saturdays before 8:00 a.m. and after 6:00 p.m., and all Sundays and federal holidays. • During all project area excavation, 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.	Irvine Ranch Water District	Prior to commencement of excavation activities
NOI-2	**Operational Noise.** The Project shall be designed to ensure that operational noise levels at the property line of neighboring receptors would be in compliance with the City of Newport Beach's Noise Ordinance. An acoustical consultant shall measure the noise levels at the nearest residential property line to the newly installed equipment once all project equipment that generates noise is operational. The noise measurements shall be collected using a Type 1 or Type 2 noise meter.	Construction Contractor	Prior to construction
4.14 Population and Housing			
The proposed Project would not result in significant adverse impacts related to population and housing. No mitigation would be required.			
4.15 Public Services			
The proposed Project would not result in significant adverse impacts related to public services. No mitigation would be required.			
4.16 Recreation			
The proposed Project would not result in significant adverse impacts related to recreation. No mitigation would be required.			
4.17 Transportation			
The proposed Project would not result in significant adverse impacts related to transportation. No mitigation would be required.			

Table 5.A: Mitigation and Monitoring Reporting Program

Mitigation Measures		Responsible Party	Timing for Mitigation Measure
4.18 Tribal Cultural Resources			
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 SCE transformer pad and retaining wall. If any tribal cultural resources are identified during the observation and if evidence is presented that the discovery proves to be potentially significant under CEQA, as determined by the IRWD's consulting Project archaeologist, the tribal representatives and the Project archaeologist, in consultation with IRWD, shall determine the appropriate actions for exploration and/or recovery.	IRWD	During construction
4.19 Utilities and Service Systems			
The proposed Project would not result in significant adverse impacts related to utilities and service systems. No mitigation would be required.			
4.20 Wildfire			
The proposed Project would not result in significant adverse impacts related to wildfire. No mitigation would be required.			

6.0 LIST OF PREPARERS

6.1 IRVINE RANCH WATER DISTRICT

Fiona Sanchez	Director of Water Resources
Jo Ann Corey	Environmental Compliance Specialist
Malcolm Cortez	Engineering Manager
Harry Cho	Senior Engineer

6.2 CONSULTANTS

6.2.1 LSA

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Nicole West	Project Manager
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APPENDIX A

CALEEMOD OUTPUT WORKSHEETS

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San Joaquin Revervoir Filtration Facility

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7.81	1000sqft	0.18	7,810.00	0
Other Non-Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	502.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Joaquin Revervoir Filtration Facility - South Coast Air Basin, Annual

Project Characteristics - CO2 Intensity Factor is based on 2020 forecast in City of Newport General Plan, 33% RPS, Cap and Trade, and reduction in SF6. Scheduled for 14 months beginning August 2020.

Land Use - New filtration facility 4,000 sf, washwater facility 3,000 sf northern portion of pad, pipeline 3,500 lineal ft of new line added. Recessed hillside utility pad 814 sf.

Construction Phase - Project construction scheduled for 14 months. Estimated start August 2020. All phases increased in length to meet the 14 month schedule. Building Construction increased to 270 days.

Off-road Equipment - Excavator substituted for grader in site preparation phase.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Hillside will have a recessed hillside utility pad on east side of site. Approximately 814 sf pad at a maximum 7 ft depth. Approx 130 cy soil for removal.

Demolition - Project site located on existing asphalt pad. Pad will be cut within the 7,000 sq ft pad boundries, debris hauled away.

Trips and VMT - Estimated demolition removal 32 haul trips. Estimated grading phase removal of 130 cy of earth for 16 offsite haul trips.

Vehicle Trips - Project site is an unmanned pump station. At most the peak daily trips one any one day would be 10 vehicles for maintenance or inspection.

Energy Use - No natural gas would be used at the site.

Construction Off-road Equipment Mitigation - All off-road equipment over 50 HP will utilized Tier 2 engines. Water exposed area at least three time daily.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	270.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	2.00
tblConstructionPhase	PhaseEndDate	2/3/2021	11/9/2021
tblConstructionPhase	PhaseEndDate	1/20/2021	10/12/2021
tblConstructionPhase	PhaseEndDate	8/28/2020	9/11/2020
tblConstructionPhase	PhaseEndDate	9/2/2020	9/29/2020
tblConstructionPhase	PhaseEndDate	1/27/2021	10/26/2021
tblConstructionPhase	PhaseEndDate	8/31/2020	9/15/2020
tblConstructionPhase	PhaseStartDate	1/28/2021	10/27/2021
tblConstructionPhase	PhaseStartDate	9/3/2020	9/30/2020
tblConstructionPhase	PhaseStartDate	9/1/2020	9/16/2020

tblConstructionPhase	PhaseStartDate	1/21/2021	10/13/2021
tblConstructionPhase	PhaseStartDate	8/29/2020	9/12/2020
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	130.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	502.65
tblVehicleTrips	WD_TR	6.97	1.42

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0443	0.4345	0.3841	6.4000e-004	0.0122	0.0249	0.0371	3.8900e-003	0.0231	0.0270	0.0000	56.8400	56.8400	0.0144	0.0000	57.1993
2021	0.1241	0.8736	0.8114	1.3500e-003	9.0000e-003	0.0478	0.0568	2.4200e-003	0.0440	0.0464	0.0000	119.2200	119.2200	0.0348	0.0000	120.0902
Maximum	**0.1241**	**0.8736**	**0.8114**	**1.3500e-003**	**0.0122**	**0.0478**	**0.0568**	**3.8900e-003**	**0.0440**	**0.0464**	**0.0000**	**119.2200**	**119.2200**	**0.0348**	**0.0000**	**120.0902**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0254	0.5368	0.4088	6.4000e-004	7.6600e-003	0.0193	0.0269	2.2900e-003	0.0193	0.0216	0.0000	56.8400	56.8400	0.0144	0.0000	57.1992
2021	0.0919	1.1673	0.8861	1.3500e-003	9.0000e-003	0.0414	0.0504	2.4200e-003	0.0414	0.0439	0.0000	119.2198	119.2198	0.0348	0.0000	120.0900
Maximum	**0.0919**	**1.1673**	**0.8861**	**1.3500e-003**	**9.0000e-003**	**0.0414**	**0.0504**	**2.4200e-003**	**0.0414**	**0.0439**	**0.0000**	**119.2198**	**119.2198**	**0.0348**	**0.0000**	**120.0900**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**30.38**	**-30.27**	**-8.31**	**0.00**	**21.49**	**16.39**	**17.53**	**25.36**	**9.52**	**10.88**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-17-2020	11-16-2020	0.3108	0.3699
2	11-17-2020	2-16-2021	0.3115	0.3755
3	2-17-2021	5-16-2021	0.2861	0.3628
4	5-17-2021	8-16-2021	0.2957	0.3749
5	8-17-2021	9-30-2021	0.1446	0.1834
		Highest	0.3115	0.3755

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	0.0324	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	3.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	15.0466	15.0466	8.7000e-004	1.8000e-004	15.1219
Mobile	3.6200e-003	0.0205	0.0550	2.0000e-004	0.0171	1.7000e-004	0.0172	4.5800e-003	1.5000e-004	4.7300e-003	0.0000	18.8451	18.8451	9.0000e-004	0.0000	18.8676
Waste						0.0000	0.0000		0.0000	0.0000	1.9650	0.0000	1.9650	0.1161	0.0000	4.8681
Water						0.0000	0.0000		0.0000	0.0000	0.5730	5.3618	5.9348	0.0592	1.4500e-003	7.8469
Total	**0.0360**	**0.0205**	**0.0552**	**2.0000e-004**	**0.0171**	**1.7000e-004**	**0.0172**	**4.5800e-003**	**1.5000e-004**	**4.7300e-003**	**2.5379**	**39.2539**	**41.7918**	**0.1771**	**1.6300e-003**	**46.7048**

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	0.0324	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	3.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	15.0466	15.0466	8.7000e-004	1.8000e-004	15.1219
Mobile	3.6200e-003	0.0205	0.0550	2.0000e-004	0.0171	1.7000e-004	0.0172	4.5800e-003	1.5000e-004	4.7300e-003	0.0000	18.8451	18.8451	9.0000e-004	0.0000	18.8676
Waste						0.0000	0.0000		0.0000	0.0000	1.9650	0.0000	1.9650	0.1161	0.0000	4.8681
Water						0.0000	0.0000		0.0000	0.0000	0.5730	5.3618	5.9348	0.0592	1.4500e-003	7.8469
Total	**0.0360**	**0.0205**	**0.0552**	**2.0000e-004**	**0.0171**	**1.7000e-004**	**0.0172**	**4.5800e-003**	**1.5000e-004**	**4.7300e-003**	**2.5379**	**39.2539**	**41.7918**	**0.1771**	**1.6300e-003**	**46.7048**

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

3.0 Construction Detail

Construction Phase

San Joaquin Revervoir Filtration Facility - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	9/11/2020	5	20	
2	Site Preparation	Site Preparation	9/12/2020	9/15/2020	5	2	
3	Grading	Grading	9/16/2020	9/29/2020	5	10	
4	Building Construction	Building Construction	9/30/2020	10/12/2021	5	270	
5	Paving	Paving	10/13/2021	10/26/2021	5	10	
6	Architectural Coating	Architectural Coating	10/27/2021	11/9/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.16

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,715; Non-Residential Outdoor: 3,905; Striped Parking Area: 420 (Architectural Coating – sqft)

OffRoad Equipment

San Joaquin Revervoir Filtration Facility - South Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	0	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	32.00	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	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	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	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2020

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					3.4500e-003	0.0000	3.4500e-003	5.2000e-004	0.0000	5.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6700e-003	0.0787	0.0762	1.2000e-004		4.6700e-003	4.6700e-003		4.4600e-003	4.4600e-003	0.0000	10.4075	10.4075	1.9700e-003	0.0000	10.4567
Total	**8.6700e-003**	**0.0787**	**0.0762**	**1.2000e-004**	**3.4500e-003**	**4.6700e-003**	**8.1200e-003**	**5.2000e-004**	**4.4600e-003**	**4.9800e-003**	**0.0000**	**10.4075**	**10.4075**	**1.9700e-003**	**0.0000**	**10.4567**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	4.6000e-003	9.5000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.2140	1.2140	9.0000e-005	0.0000	1.2162
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	4.5000e-004	3.4000e-004	3.7900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9886	0.9886	3.0000e-005	0.0000	0.9893
Total	**5.8000e-004**	**4.9400e-003**	**4.7400e-003**	**2.0000e-005**	**1.3700e-003**	**2.0000e-005**	**1.4000e-003**	**3.7000e-004**	**2.0000e-005**	**3.9000e-004**	**0.0000**	**2.2026**	**2.2026**	**1.2000e-004**	**0.0000**	**2.2055**

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					1.3400e-003	0.0000	1.3400e-003	2.0000e-004	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8400e-003	0.1037	0.0794	1.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	10.4075	10.4075	1.9700e-003	0.0000	10.4567
Total	**4.8400e-003**	**0.1037**	**0.0794**	**1.2000e-004**	**1.3400e-003**	**4.0200e-003**	**5.3600e-003**	**2.0000e-004**	**4.0200e-003**	**4.2200e-003**	**0.0000**	**10.4075**	**10.4075**	**1.9700e-003**	**0.0000**	**10.4567**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	4.6000e-003	9.5000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.2140	1.2140	9.0000e-005	0.0000	1.2162
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	4.5000e-004	3.4000e-004	3.7900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9886	0.9886	3.0000e-005	0.0000	0.9893
Total	**5.8000e-004**	**4.9400e-003**	**4.7400e-003**	**2.0000e-005**	**1.3700e-003**	**2.0000e-005**	**1.4000e-003**	**3.7000e-004**	**2.0000e-005**	**3.9000e-004**	**0.0000**	**2.2026**	**2.2026**	**1.2000e-004**	**0.0000**	**2.2055**

3.3 Site Preparation - 2020

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	5.5600e-003	1.0000e-005		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004	0.0000	0.7288	0.7288	2.4000e-004	0.0000	0.7347
Total	**4.6000e-004**	**4.5300e-003**	**5.5600e-003**	**1.0000e-005**	**2.7000e-004**	**2.5000e-004**	**5.2000e-004**	**3.0000e-005**	**2.3000e-004**	**2.6000e-004**	**0.0000**	**0.7288**	**0.7288**	**2.4000e-004**	**0.0000**	**0.7347**

3.3 Site Preparation - 2020

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	2.0000e-005	1.9000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0494	0.0494	0.0000	0.0000	0.0495
Total	**2.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0494**	**0.0494**	**0.0000**	**0.0000**	**0.0495**

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					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5000e-004	7.4400e-003	6.2800e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	0.7288	0.7288	2.4000e-004	0.0000	0.7347
Total	**3.5000e-004**	**7.4400e-003**	**6.2800e-003**	**1.0000e-005**	**1.0000e-004**	**2.6000e-004**	**3.6000e-004**	**1.0000e-005**	**2.6000e-004**	**2.7000e-004**	**0.0000**	**0.7288**	**0.7288**	**2.4000e-004**	**0.0000**	**0.7347**

3.3 Site Preparation - 2020

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	2.0000e-005	1.9000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0494	0.0494	0.0000	0.0000	0.0495
Total	**2.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0494**	**0.0494**	**0.0000**	**0.0000**	**0.0495**

3.4 Grading - 2020

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					3.7700e-003	0.0000	3.7700e-003	2.0700e-003	0.0000	2.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	**4.3400e-003**	**0.0394**	**0.0381**	**6.0000e-005**	**3.7700e-003**	**2.3400e-003**	**6.1100e-003**	**2.0700e-003**	**2.2300e-003**	**4.3000e-003**	**0.0000**	**5.2038**	**5.2038**	**9.8000e-004**	**0.0000**	**5.2284**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	2.3000e-003	4.8000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.6070	0.6070	4.0000e-005	0.0000	0.6081
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	2.2000e-004	1.7000e-004	1.9000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4943	0.4943	1.0000e-005	0.0000	0.4947
Total	**2.8000e-004**	**2.4700e-003**	**2.3800e-003**	**2.0000e-005**	**6.9000e-004**	**1.0000e-005**	**6.9000e-004**	**1.9000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**1.1013**	**1.1013**	**5.0000e-005**	**0.0000**	**1.1028**

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					1.4700e-003	0.0000	1.4700e-003	8.1000e-004	0.0000	8.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0518	0.0397	6.0000e-005		2.0100e-003	2.0100e-003		2.0100e-003	2.0100e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	**2.4200e-003**	**0.0518**	**0.0397**	**6.0000e-005**	**1.4700e-003**	**2.0100e-003**	**3.4800e-003**	**8.1000e-004**	**2.0100e-003**	**2.8200e-003**	**0.0000**	**5.2038**	**5.2038**	**9.8000e-004**	**0.0000**	**5.2284**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	2.3000e-003	4.8000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.6070	0.6070	4.0000e-005	0.0000	0.6081
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	2.2000e-004	1.7000e-004	1.9000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4943	0.4943	1.0000e-005	0.0000	0.4947
Total	**2.8000e-004**	**2.4700e-003**	**2.3800e-003**	**2.0000e-005**	**6.9000e-004**	**1.0000e-005**	**6.9000e-004**	**1.9000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**1.1013**	**1.1013**	**5.0000e-005**	**0.0000**	**1.1028**

3.5 Building Construction - 2020

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	0.0289	0.2966	0.2475	3.8000e-004		0.0175	0.0175		0.0161	0.0161	0.0000	33.5203	33.5203	0.0108	0.0000	33.7913
Total	**0.0289**	**0.2966**	**0.2475**	**3.8000e-004**		**0.0175**	**0.0175**		**0.0161**	**0.0161**	**0.0000**	**33.5203**	**33.5203**	**0.0108**	**0.0000**	**33.7913**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	7.1800e-003	1.8100e-003	2.0000e-005	4.2000e-004	4.0000e-005	4.6000e-004	1.2000e-004	3.0000e-005	1.6000e-004	0.0000	1.6391	1.6391	1.1000e-004	0.0000	1.6419
Worker	8.9000e-004	6.9000e-004	7.6300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2200e-003	5.9000e-004	2.0000e-005	6.0000e-004	0.0000	1.9872	1.9872	6.0000e-005	0.0000	1.9886
Total	**1.1200e-003**	**7.8700e-003**	**9.4400e-003**	**4.0000e-005**	**2.6300e-003**	**6.0000e-005**	**2.6800e-003**	**7.1000e-004**	**5.0000e-005**	**7.6000e-004**	**0.0000**	**3.6263**	**3.6263**	**1.7000e-004**	**0.0000**	**3.6305**

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	0.0158	0.3585	0.2667	3.8000e-004		0.0129	0.0129		0.0129	0.0129	0.0000	33.5202	33.5202	0.0108	0.0000	33.7913
Total	**0.0158**	**0.3585**	**0.2667**	**3.8000e-004**		**0.0129**	**0.0129**		**0.0129**	**0.0129**	**0.0000**	**33.5202**	**33.5202**	**0.0108**	**0.0000**	**33.7913**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	7.1800e-003	1.8100e-003	2.0000e-005	4.2000e-004	4.0000e-005	4.6000e-004	1.2000e-004	3.0000e-005	1.6000e-004	0.0000	1.6391	1.6391	1.1000e-004	0.0000	1.6419
Worker	8.9000e-004	6.9000e-004	7.6300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2200e-003	5.9000e-004	2.0000e-005	6.0000e-004	0.0000	1.9872	1.9872	6.0000e-005	0.0000	1.9886
Total	**1.1200e-003**	**7.8700e-003**	**9.4400e-003**	**4.0000e-005**	**2.6300e-003**	**6.0000e-005**	**2.6800e-003**	**7.1000e-004**	**5.0000e-005**	**7.6000e-004**	**0.0000**	**3.6263**	**3.6263**	**1.7000e-004**	**0.0000**	**3.6305**

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	0.0787	0.8105	0.7373	1.1600e-003		0.0454	0.0454		0.0418	0.0418	0.0000	101.5833	101.5833	0.0329	0.0000	102.4046
Total	**0.0787**	**0.8105**	**0.7373**	**1.1600e-003**		**0.0454**	**0.0454**		**0.0418**	**0.0418**	**0.0000**	**101.5833**	**101.5833**	**0.0329**	**0.0000**	**102.4046**

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	5.8000e-004	0.0198	4.9900e-003	5.0000e-005	1.2800e-003	4.0000e-005	1.3200e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	4.9290	4.9290	3.2000e-004	0.0000	4.9369
Worker	2.5300e-003	1.8800e-003	0.0213	6.0000e-005	6.6800e-003	5.0000e-005	6.7300e-003	1.7700e-003	5.0000e-005	1.8200e-003	0.0000	5.8260	5.8260	1.6000e-004	0.0000	5.8299
Total	**3.1100e-003**	**0.0216**	**0.0262**	**1.1000e-004**	**7.9600e-003**	**9.0000e-005**	**8.0500e-003**	**2.1400e-003**	**9.0000e-005**	**2.2300e-003**	**0.0000**	**10.7550**	**10.7550**	**4.8000e-004**	**0.0000**	**10.7669**

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	0.0477	1.0862	0.8082	1.1600e-003		0.0391	0.0391		0.0391	0.0391	0.0000	101.5832	101.5832	0.0329	0.0000	102.4045
Total	**0.0477**	**1.0862**	**0.8082**	**1.1600e-003**		**0.0391**	**0.0391**		**0.0391**	**0.0391**	**0.0000**	**101.5832**	**101.5832**	**0.0329**	**0.0000**	**102.4045**

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	5.8000e-004	0.0198	4.9900e-003	5.0000e-005	1.2800e-003	4.0000e-005	1.3200e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	4.9290	4.9290	3.2000e-004	0.0000	4.9369
Worker	2.5300e-003	1.8800e-003	0.0213	6.0000e-005	6.6800e-003	5.0000e-005	6.7300e-003	1.7700e-003	5.0000e-005	1.8200e-003	0.0000	5.8260	5.8260	1.6000e-004	0.0000	5.8299
Total	**3.1100e-003**	**0.0216**	**0.0262**	**1.1000e-004**	**7.9600e-003**	**9.0000e-005**	**8.0500e-003**	**2.1400e-003**	**9.0000e-005**	**2.2300e-003**	**0.0000**	**10.7550**	**10.7550**	**4.8000e-004**	**0.0000**	**10.7669**

3.6 Paving - 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	3.6100e-003	0.0336	0.0355	6.0000e-005		1.7700e-003	1.7700e-003		1.6400e-003	1.6400e-003	0.0000	4.6962	4.6962	1.3700e-003	0.0000	4.7304
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6100e-003**	**0.0336**	**0.0355**	**6.0000e-005**		**1.7700e-003**	**1.7700e-003**		**1.6400e-003**	**1.6400e-003**	**0.0000**	**4.6962**	**4.6962**	**1.3700e-003**	**0.0000**	**4.7304**

3.6 Paving - 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	3.7000e-004	2.8000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8610	0.8610	2.0000e-005	0.0000	0.8616
Total	**3.7000e-004**	**2.8000e-004**	**3.1400e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8610**	**0.8610**	**2.0000e-005**	**0.0000**	**0.8616**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8600e-003	0.0474	0.0391	6.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	4.6962	4.6962	1.3700e-003	0.0000	4.7304
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8600e-003**	**0.0474**	**0.0391**	**6.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**4.6962**	**4.6962**	**1.3700e-003**	**0.0000**	**4.7304**

3.6 Paving - 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	3.7000e-004	2.8000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8610	0.8610	2.0000e-005	0.0000	0.8616
Total	**3.7000e-004**	**2.8000e-004**	**3.1400e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8610**	**0.8610**	**2.0000e-005**	**0.0000**	**0.8616**

3.7 Architectural Coating - 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					
Archit. Coating	0.0372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.0383**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

3.7 Architectural Coating - 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	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0478	0.0478	0.0000	0.0000	0.0479
Total	**2.0000e-005**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0478**	**0.0478**	**0.0000**	**0.0000**	**0.0479**

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	0.0372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	0.0118	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.0377**	**0.0118**	**9.1600e-003**	**1.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

3.7 Architectural Coating - 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	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0478	0.0478	0.0000	0.0000	0.0479
Total	**2.0000e-005**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0478**	**0.0478**	**0.0000**	**0.0000**	**0.0479**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.6200e-003	0.0205	0.0550	2.0000e-004	0.0171	1.7000e-004	0.0172	4.5800e-003	1.5000e-004	4.7300e-003	0.0000	18.8451	18.8451	9.0000e-004	0.0000	18.8676
Unmitigated	3.6200e-003	0.0205	0.0550	2.0000e-004	0.0171	1.7000e-004	0.0172	4.5800e-003	1.5000e-004	4.7300e-003	0.0000	18.8451	18.8451	9.0000e-004	0.0000	18.8676

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	11.09	10.31	5.31	44,960	44,960
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	11.09	10.31	5.31	44,960	44,960

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Other Non-Asphalt Surfaces	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	15.0466	15.0466	8.7000e-004	1.8000e-004	15.1219
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	15.0466	15.0466	8.7000e-004	1.8000e-004	15.1219
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	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	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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 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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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 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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	65994.5	15.0466	8.7000e-004	1.8000e-004	15.1219
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**15.0466**	**8.7000e-004**	**1.8000e-004**	**15.1219**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	65994.5	15.0466	8.7000e-004	1.8000e-004	15.1219
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**15.0466**	**8.7000e-004**	**1.8000e-004**	**15.1219**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0324	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	3.9000e-004
Unmitigated	0.0324	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	3.9000e-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	tons/yr										MT/yr					
Architectural Coating	3.7200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	3.9000e-004
Total	**0.0324**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.7000e-004**	**3.7000e-004**	**0.0000**	**0.0000**	**3.9000e-004**

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	3.7200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	3.9000e-004
Total	**0.0324**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.7000e-004**	**3.7000e-004**	**0.0000**	**0.0000**	**3.9000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.9348	0.0592	1.4500e-003	7.8469
Unmitigated	5.9348	0.0592	1.4500e-003	7.8469

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.80606 / 0	5.9348	0.0592	1.4500e-003	7.8469
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**5.9348**	**0.0592**	**1.4500e-003**	**7.8469**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.80606 / 0	5.9348	0.0592	1.4500e-003	7.8469
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**5.9348**	**0.0592**	**1.4500e-003**	**7.8469**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9650	0.1161	0.0000	4.8681
Unmitigated	1.9650	0.1161	0.0000	4.8681

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	9.68	1.9650	0.1161	0.0000	4.8681
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1.9650**	**0.1161**	**0.0000**	**4.8681**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	9.68	1.9650	0.1161	0.0000	4.8681
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1.9650**	**0.1161**	**0.0000**	**4.8681**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Joaquin Revervoir Filtration Facility

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7.81	1000sqft	0.18	7,810.00	0
Other Non-Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	502.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Joaquin Revervoir Filtration Facility - South Coast Air Basin, Summer

Project Characteristics - CO2 Intensity Factor is based on 2020 forecast in City of Newport General Plan, 33% RPS, Cap and Trade, and reduction in SF6. Scheduled for 14 months beginning August 2020.

Land Use - New filtration facility 4,000 sf, washwater facility 3,000 sf northern portion of pad, pipeline 3,500 lineal ft of new line added. Recessed hillside utility pad 814 sf.

Construction Phase - Project construction scheduled for 14 months. Estimated start August 2020. All phases increased in length to meet the 14 month schedule. Building Construction increased to 270 days.

Off-road Equipment - Excavator substituted for grader in site preparation phase.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Hillside will have a recessed hillside utility pad on east side of site. Approximately 814 sf pad at a maximum 7 ft depth. Approx 130 cy soil for removal.

Demolition - Project site located on existing asphalt pad. Pad will be cut within the 7,000 sq ft pad boundries, debris hauled away.

Trips and VMT - Estimated demolition removal 32 haul trips. Estimated grading phase removal of 130 cy of earth for 16 offsite haul trips.

Vehicle Trips - Project site is an unmanned pump station. At most the peak daily trips one any one day would be 10 vehicles for maintenance or inspection.

Energy Use - No natural gas would be used at the site.

Construction Off-road Equipment Mitigation - All off-road equipment over 50 HP will utilized Tier 2 engines. Water exposed area at least three time daily.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	270.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	2.00
tblConstructionPhase	PhaseEndDate	2/3/2021	11/9/2021
tblConstructionPhase	PhaseEndDate	1/20/2021	10/12/2021
tblConstructionPhase	PhaseEndDate	8/28/2020	9/11/2020
tblConstructionPhase	PhaseEndDate	9/2/2020	9/29/2020
tblConstructionPhase	PhaseEndDate	1/27/2021	10/26/2021
tblConstructionPhase	PhaseEndDate	8/31/2020	9/15/2020
tblConstructionPhase	PhaseStartDate	1/28/2021	10/27/2021
tblConstructionPhase	PhaseStartDate	9/3/2020	9/30/2020
tblConstructionPhase	PhaseStartDate	9/1/2020	9/16/2020

tblConstructionPhase	PhaseStartDate	1/21/2021	10/13/2021
tblConstructionPhase	PhaseStartDate	8/29/2020	9/12/2020
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	130.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	502.65
tblVehicleTrips	WD_TR	6.97	1.42

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.9250	9.0811	8.1228	0.0144	0.8940	0.5239	1.3635	0.4513	0.4821	0.8991	0.0000	1,396.4028	1,396.4028	0.3622	0.0000	1,402.1462
2021	7.6576	8.1929	7.7657	0.0133	0.2012	0.4484	0.5561	0.0534	0.4126	0.4340	0.0000	1,234.5842	1,234.5842	0.3619	0.0000	1,242.2577
Maximum	**7.6576**	**9.0811**	**8.1228**	**0.0144**	**0.8940**	**0.5239**	**1.3635**	**0.4513**	**0.4821**	**0.8991**	**0.0000**	**1,396.4028**	**1,396.4028**	**0.3622**	**0.0000**	**1,402.1462**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.5420	10.9307	8.4383	0.0144	0.4339	0.4040	0.8379	0.1988	0.4039	0.6026	0.0000	1,396.4028	1,396.4028	0.3622	0.0000	1,402.1462
2021	7.5526	10.9098	8.5037	0.0133	0.2012	0.3864	0.5499	0.0534	0.3863	0.4078	0.0000	1,234.5842	1,234.5842	0.3619	0.0000	1,242.2577
Maximum	**7.5526**	**10.9307**	**8.5037**	**0.0144**	**0.4339**	**0.4040**	**0.8379**	**0.1988**	**0.4039**	**0.6026**	**0.0000**	**1,396.4028**	**1,396.4028**	**0.3622**	**0.0000**	**1,402.1462**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.69**	**-26.44**	**-6.63**	**0.00**	**42.01**	**18.72**	**27.70**	**50.04**	**11.67**	**24.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
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	0.0231	0.1172	0.3482	1.2800e-003	0.1044	9.9000e-004	0.1054	0.0279	9.3000e-004	0.0289		129.6502	129.6502	6.0000e-003		129.8003
Total	**0.2007**	**0.1172**	**0.3497**	**1.2800e-003**	**0.1044**	**1.0000e-003**	**0.1054**	**0.0279**	**9.4000e-004**	**0.0289**		**129.6535**	**129.6535**	**6.0100e-003**	**0.0000**	**129.8038**

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	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
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	0.0231	0.1172	0.3482	1.2800e-003	0.1044	9.9000e-004	0.1054	0.0279	9.3000e-004	0.0289		129.6502	129.6502	6.0000e-003		129.8003
Total	**0.2007**	**0.1172**	**0.3497**	**1.2800e-003**	**0.1044**	**1.0000e-003**	**0.1054**	**0.0279**	**9.4000e-004**	**0.0289**		**129.6535**	**129.6535**	**6.0100e-003**	**0.0000**	**129.8038**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	9/11/2020	5	20	
2	Site Preparation	Site Preparation	9/12/2020	9/15/2020	5	2	
3	Grading	Grading	9/16/2020	9/29/2020	5	10	
4	Building Construction	Building Construction	9/30/2020	10/12/2021	5	270	
5	Paving	Paving	10/13/2021	10/26/2021	5	10	
6	Architectural Coating	Architectural Coating	10/27/2021	11/9/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.16

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,715; Non-Residential Outdoor: 3,905; Striped Parking Area: 420 (Architectural Coating – sqft)

OffRoad Equipment

San Joaquin Revervoir Filtration Facility - South Coast Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	0	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	32.00	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	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	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	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2020

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					0.3445	0.0000	0.3445	0.0522	0.0000	0.0522			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.8674**	**7.8729**	**7.6226**	**0.0120**	**0.3445**	**0.4672**	**0.8117**	**0.0522**	**0.4457**	**0.4978**		**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.2 Demolition - 2020

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	0.0127	0.4458	0.0927	1.2400e-003	0.0280	1.4400e-003	0.0294	7.6600e-003	1.3800e-003	9.0400e-003		134.7840	134.7840	9.5300e-003		135.0223
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	0.0449	0.0303	0.4076	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		114.3836	114.3836	3.3000e-003		114.4660
Total	**0.0576**	**0.4761**	**0.5003**	**2.3900e-003**	**0.1397**	**2.2900e-003**	**0.1420**	**0.0373**	**2.1700e-003**	**0.0395**		**249.1676**	**249.1676**	**0.0128**		**249.4884**

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					0.1344	0.0000	0.1344	0.0203	0.0000	0.0203			0.0000			0.0000
Off-Road	0.4844	10.3677	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.4844**	**10.3677**	**7.9381**	**0.0120**	**0.1344**	**0.4017**	**0.5361**	**0.0203**	**0.4017**	**0.4220**	**0.0000**	**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.2 Demolition - 2020

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	0.0127	0.4458	0.0927	1.2400e-003	0.0280	1.4400e-003	0.0294	7.6600e-003	1.3800e-003	9.0400e-003		134.7840	134.7840	9.5300e-003		135.0223
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	0.0449	0.0303	0.4076	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		114.3836	114.3836	3.3000e-003		114.4660
Total	**0.0576**	**0.4761**	**0.5003**	**2.3900e-003**	**0.1397**	**2.2900e-003**	**0.1420**	**0.0373**	**2.1700e-003**	**0.0395**		**249.1676**	**249.1676**	**0.0128**		**249.4884**

3.3 Site Preparation - 2020

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					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.4557	4.5298	5.5638	8.3000e-003		0.2506	0.2506		0.2305	0.2305		803.3875	803.3875	0.2598		809.8833
Total	**0.4557**	**4.5298**	**5.5638**	**8.3000e-003**	**0.2651**	**0.2506**	**0.5157**	**0.0286**	**0.2305**	**0.2592**		**803.3875**	**803.3875**	**0.2598**		**809.8833**

3.3 Site Preparation - 2020

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	0.0224	0.0152	0.2038	5.7000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		57.1918	57.1918	1.6500e-003		57.2330
Total	**0.0224**	**0.0152**	**0.2038**	**5.7000e-004**	**0.0559**	**4.3000e-004**	**0.0563**	**0.0148**	**3.9000e-004**	**0.0152**		**57.1918**	**57.1918**	**1.6500e-003**		**57.2330**

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					0.1034	0.0000	0.1034	0.0112	0.0000	0.0112			0.0000			0.0000
Off-Road	0.3478	7.4445	6.2797	8.3000e-003		0.2578	0.2578		0.2578	0.2578	0.0000	803.3875	803.3875	0.2598		809.8833
Total	**0.3478**	**7.4445**	**6.2797**	**8.3000e-003**	**0.1034**	**0.2578**	**0.3612**	**0.0112**	**0.2578**	**0.2689**	**0.0000**	**803.3875**	**803.3875**	**0.2598**		**809.8833**

3.3 Site Preparation - 2020

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	0.0224	0.0152	0.2038	5.7000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		57.1918	57.1918	1.6500e-003		57.2330
Total	**0.0224**	**0.0152**	**0.2038**	**5.7000e-004**	**0.0559**	**4.3000e-004**	**0.0563**	**0.0148**	**3.9000e-004**	**0.0152**		**57.1918**	**57.1918**	**1.6500e-003**		**57.2330**

3.4 Grading - 2020

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					0.7542	0.0000	0.7542	0.4140	0.0000	0.4140			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.8674**	**7.8729**	**7.6226**	**0.0120**	**0.7542**	**0.4672**	**1.2214**	**0.4140**	**0.4457**	**0.8597**		**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.4 Grading - 2020

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	0.0127	0.4458	0.0927	1.2400e-003	0.0280	1.4400e-003	0.0294	7.6600e-003	1.3800e-003	9.0400e-003		134.7840	134.7840	9.5300e-003		135.0223
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	0.0449	0.0303	0.4076	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		114.3836	114.3836	3.3000e-003		114.4660
Total	**0.0576**	**0.4761**	**0.5003**	**2.3900e-003**	**0.1397**	**2.2900e-003**	**0.1420**	**0.0373**	**2.1700e-003**	**0.0395**		**249.1676**	**249.1676**	**0.0128**		**249.4884**

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					0.2942	0.0000	0.2942	0.1615	0.0000	0.1615			0.0000			0.0000
Off-Road	0.4844	10.3677	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.4844**	**10.3677**	**7.9381**	**0.0120**	**0.2942**	**0.4017**	**0.6959**	**0.1615**	**0.4017**	**0.5632**	**0.0000**	**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.4 Grading - 2020

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	0.0127	0.4458	0.0927	1.2400e-003	0.0280	1.4400e-003	0.0294	7.6600e-003	1.3800e-003	9.0400e-003		134.7840	134.7840	9.5300e-003		135.0223
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	0.0449	0.0303	0.4076	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		114.3836	114.3836	3.3000e-003		114.4660
Total	**0.0576**	**0.4761**	**0.5003**	**2.3900e-003**	**0.1397**	**2.2900e-003**	**0.1420**	**0.0373**	**2.1700e-003**	**0.0395**		**249.1676**	**249.1676**	**0.0128**		**249.4884**

3.5 Building Construction - 2020

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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	**0.8617**	**8.8523**	**7.3875**	**0.0114**		**0.5224**	**0.5224**		**0.4806**	**0.4806**		**1,102.9781**	**1,102.9781**	**0.3567**		**1,111.8962**

3.5 Building Construction - 2020

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	6.6400e-003	0.2106	0.0512	5.1000e-004	0.0128	1.0400e-003	0.0138	3.6800e-003	1.0000e-003	4.6800e-003		54.5583	54.5583	3.4900e-003		54.6456
Worker	0.0269	0.0182	0.2446	6.9000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		68.6302	68.6302	1.9800e-003		68.6796
Total	**0.0336**	**0.2288**	**0.2958**	**1.2000e-003**	**0.0799**	**1.5500e-003**	**0.0814**	**0.0215**	**1.4700e-003**	**0.0229**		**123.1884**	**123.1884**	**5.4700e-003**		**123.3252**

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	0.4704	10.7018	7.9624	0.0114		0.3855	0.3855		0.3855	0.3855	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	**0.4704**	**10.7018**	**7.9624**	**0.0114**		**0.3855**	**0.3855**		**0.3855**	**0.3855**	**0.0000**	**1,102.9781**	**1,102.9781**	**0.3567**		**1,111.8962**

3.5 Building Construction - 2020

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	6.6400e-003	0.2106	0.0512	5.1000e-004	0.0128	1.0400e-003	0.0138	3.6800e-003	1.0000e-003	4.6800e-003		54.5583	54.5583	3.4900e-003		54.6456
Worker	0.0269	0.0182	0.2446	6.9000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		68.6302	68.6302	1.9800e-003		68.6796
Total	**0.0336**	**0.2288**	**0.2958**	**1.2000e-003**	**0.0799**	**1.5500e-003**	**0.0814**	**0.0215**	**1.4700e-003**	**0.0229**		**123.1884**	**123.1884**	**5.4700e-003**		**123.3252**

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
Total	**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**

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	5.6300e-003	0.1915	0.0465	5.1000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0600e-003		54.1488	54.1488	3.3500e-003		54.2325
Worker	0.0251	0.0164	0.2253	6.7000e-004	0.0671	5.0000e-004	0.0676	0.0178	4.6000e-004	0.0182		66.4139	66.4139	1.7900e-003		66.4587
Total	**0.0307**	**0.2079**	**0.2718**	**1.1800e-003**	**0.0799**	**8.9000e-004**	**0.0808**	**0.0215**	**8.3000e-004**	**0.0223**		**120.5627**	**120.5627**	**5.1400e-003**		**120.6911**

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	0.4704	10.7018	7.9624	0.0114		0.3855	0.3855		0.3855	0.3855	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	**0.4704**	**10.7018**	**7.9624**	**0.0114**		**0.3855**	**0.3855**		**0.3855**	**0.3855**	**0.0000**	**1,103.2158**	**1,103.2158**	**0.3568**		**1,112.1358**

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	5.6300e-003	0.1915	0.0465	5.1000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0600e-003		54.1488	54.1488	3.3500e-003		54.2325
Worker	0.0251	0.0164	0.2253	6.7000e-004	0.0671	5.0000e-004	0.0676	0.0178	4.6000e-004	0.0182		66.4139	66.4139	1.7900e-003		66.4587
Total	**0.0307**	**0.2079**	**0.2718**	**1.1800e-003**	**0.0799**	**8.9000e-004**	**0.0808**	**0.0215**	**8.3000e-004**	**0.0223**		**120.5627**	**120.5627**	**5.1400e-003**		**120.6911**

3.6 Paving - 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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7214**	**6.7178**	**7.0899**	**0.0113**		**0.3534**	**0.3534**		**0.3286**	**0.3286**		**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

3.6 Paving - 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	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

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	0.5717	9.4775	7.8279	0.0113		0.3472	0.3472		0.3472	0.3472	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5717**	**9.4775**	**7.8279**	**0.0113**		**0.3472**	**0.3472**		**0.3472**	**0.3472**	**0.0000**	**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

3.6 Paving - 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	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

3.7 Architectural Coating - 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					
Archit. Coating	7.4345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**7.6534**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 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	4.1900e-003	2.7300e-003	0.0376	1.1000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		11.0690	11.0690	3.0000e-004		11.0764
Total	**4.1900e-003**	**2.7300e-003**	**0.0376**	**1.1000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**8.0000e-005**	**3.0400e-003**		**11.0690**	**11.0690**	**3.0000e-004**		**11.0764**

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	7.4345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**7.5485**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 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	4.1900e-003	2.7300e-003	0.0376	1.1000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		11.0690	11.0690	3.0000e-004		11.0764
Total	**4.1900e-003**	**2.7300e-003**	**0.0376**	**1.1000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**8.0000e-005**	**3.0400e-003**		**11.0690**	**11.0690**	**3.0000e-004**		**11.0764**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0231	0.1172	0.3482	1.2800e-003	0.1044	9.9000e-004	0.1054	0.0279	9.3000e-004	0.0289		129.6502	129.6502	6.0000e-003		129.8003
Unmitigated	0.0231	0.1172	0.3482	1.2800e-003	0.1044	9.9000e-004	0.1054	0.0279	9.3000e-004	0.0289		129.6502	129.6502	6.0000e-003		129.8003

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	11.09	10.31	5.31	44,960	44,960
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	11.09	10.31	5.31	44,960	44,960

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Other Non-Asphalt Surfaces	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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 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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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 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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
Unmitigated	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003

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	0.0204					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
Total	**0.1776**	**1.0000e-005**	**1.5200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2400e-003**	**3.2400e-003**	**1.0000e-005**		**3.4600e-003**

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	0.0204					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
Total	**0.1776**	**1.0000e-005**	**1.5200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2400e-003**	**3.2400e-003**	**1.0000e-005**		**3.4600e-003**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Joaquin Revervoir Filtration Facility

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7.81	1000sqft	0.18	7,810.00	0
Other Non-Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	502.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Joaquin Revervoir Filtration Facility - South Coast Air Basin, Winter

Project Characteristics - CO2 Intensity Factor is based on 2020 forecast in City of Newport General Plan, 33% RPS, Cap and Trade, and reduction in SF6. Scheduled for 14 months beginning August 2020.

Land Use - New filtration facility 4,000 sf, washwater facility 3,000 sf northern portion of pad, pipeline 3,500 lineal ft of new line added. Recessed hillside utility pad 814 sf.

Construction Phase - Project construction scheduled for 14 months. Estimated start August 2020. All phases increased in length to meet the 14 month schedule. Building Construction increased to 270 days.

Off-road Equipment - Excavator substituted for grader in site preparation phase.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Hillside will have a recessed hillside utility pad on east side of site. Approximately 814 sf pad at a maximum 7 ft depth. Approx 130 cy soil for removal.

Demolition - Project site located on existing asphalt pad. Pad will be cut within the 7,000 sq ft pad boundries, debris hauled away.

Trips and VMT - Estimated demolition removal 32 haul trips. Estimated grading phase removal of 130 cy of earth for 16 offsite haul trips.

Vehicle Trips - Project site is an unmanned pump station. At most the peak daily trips one any one day would be 10 vehicles for maintenance or inspection.

Energy Use - No natural gas would be used at the site.

Construction Off-road Equipment Mitigation - All off-road equipment over 50 HP will utilized Tier 2 engines. Water exposed area at least three time daily.

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstructionPhase	NumDays	10.00	20.00
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tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	2.00
tblConstructionPhase	PhaseEndDate	2/3/2021	11/9/2021
tblConstructionPhase	PhaseEndDate	1/20/2021	10/12/2021
tblConstructionPhase	PhaseEndDate	8/28/2020	9/11/2020
tblConstructionPhase	PhaseEndDate	9/2/2020	9/29/2020
tblConstructionPhase	PhaseEndDate	1/27/2021	10/26/2021
tblConstructionPhase	PhaseEndDate	8/31/2020	9/15/2020
tblConstructionPhase	PhaseStartDate	1/28/2021	10/27/2021
tblConstructionPhase	PhaseStartDate	9/3/2020	9/30/2020
tblConstructionPhase	PhaseStartDate	9/1/2020	9/16/2020

tblConstructionPhase	PhaseStartDate	1/21/2021	10/13/2021
tblConstructionPhase	PhaseStartDate	8/29/2020	9/12/2020
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	130.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	502.65
tblVehicleTrips	WD_TR	6.97	1.42

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.9298	9.0829	8.0912	0.0143	0.8940	0.5239	1.3635	0.4513	0.4821	0.8992	0.0000	1,387.0024	1,387.0024	0.3623	0.0000	1,392.7497
2021	7.6581	8.1940	7.7016	0.0131	0.2012	0.4484	0.5561	0.0534	0.4126	0.4340	0.0000	1,222.2097	1,222.2097	0.3621	0.0000	1,229.8746
Maximum	**7.6581**	**9.0829**	**8.0912**	**0.0143**	**0.8940**	**0.5239**	**1.3635**	**0.4513**	**0.4821**	**0.8992**	**0.0000**	**1,387.0024**	**1,387.0024**	**0.3623**	**0.0000**	**1,392.7497**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.5468	10.9324	8.4067	0.0143	0.4339	0.4040	0.8379	0.1988	0.4039	0.6027	0.0000	1,387.0024	1,387.0024	0.3623	0.0000	1,392.7497
2021	7.5531	10.9109	8.4396	0.0131	0.2012	0.3864	0.5499	0.0534	0.3863	0.4078	0.0000	1,222.2097	1,222.2097	0.3621	0.0000	1,229.8746
Maximum	**7.5531**	**10.9324**	**8.4396**	**0.0143**	**0.4339**	**0.4040**	**0.8379**	**0.1988**	**0.4039**	**0.6027**	**0.0000**	**1,387.0024**	**1,387.0024**	**0.3623**	**0.0000**	**1,392.7497**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.68**	**-26.43**	**-6.67**	**0.00**	**42.01**	**18.72**	**27.70**	**50.04**	**11.67**	**24.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
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	0.0222	0.1205	0.3242	1.2100e-003	0.1044	1.0000e-003	0.1054	0.0279	9.3000e-004	0.0289		123.0994	123.0994	5.9500e-003		123.2482
Total	**0.1998**	**0.1205**	**0.3257**	**1.2100e-003**	**0.1044**	**1.0100e-003**	**0.1054**	**0.0279**	**9.4000e-004**	**0.0289**		**123.1026**	**123.1026**	**5.9600e-003**	**0.0000**	**123.2517**

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	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
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	0.0222	0.1205	0.3242	1.2100e-003	0.1044	1.0000e-003	0.1054	0.0279	9.3000e-004	0.0289		123.0994	123.0994	5.9500e-003		123.2482
Total	**0.1998**	**0.1205**	**0.3257**	**1.2100e-003**	**0.1044**	**1.0100e-003**	**0.1054**	**0.0279**	**9.4000e-004**	**0.0289**		**123.1026**	**123.1026**	**5.9600e-003**	**0.0000**	**123.2517**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	9/11/2020	5	20	
2	Site Preparation	Site Preparation	9/12/2020	9/15/2020	5	2	
3	Grading	Grading	9/16/2020	9/29/2020	5	10	
4	Building Construction	Building Construction	9/30/2020	10/12/2021	5	270	
5	Paving	Paving	10/13/2021	10/26/2021	5	10	
6	Architectural Coating	Architectural Coating	10/27/2021	11/9/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.16

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,715; Non-Residential Outdoor: 3,905; Striped Parking Area: 420 (Architectural Coating – sqft)

OffRoad Equipment

San Joaquin Revervoir Filtration Facility - South Coast Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	0	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	32.00	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	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	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	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2020

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					0.3445	0.0000	0.3445	0.0522	0.0000	0.0522			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.8674**	**7.8729**	**7.6226**	**0.0120**	**0.3445**	**0.4672**	**0.8117**	**0.0522**	**0.4457**	**0.4978**		**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.2 Demolition - 2020

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	0.0131	0.4516	0.0990	1.2200e-003	0.0280	1.4600e-003	0.0294	7.6600e-003	1.4000e-003	9.0600e-003		132.4820	132.4820	9.9000e-003		132.7296
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	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	**0.0624**	**0.4849**	**0.4686**	**2.3000e-003**	**0.1397**	**2.3100e-003**	**0.1420**	**0.0373**	**2.1900e-003**	**0.0395**		**239.7672**	**239.7672**	**0.0130**		**240.0919**

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					0.1344	0.0000	0.1344	0.0203	0.0000	0.0203			0.0000			0.0000
Off-Road	0.4844	10.3677	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.4844**	**10.3677**	**7.9381**	**0.0120**	**0.1344**	**0.4017**	**0.5361**	**0.0203**	**0.4017**	**0.4220**	**0.0000**	**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.2 Demolition - 2020

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	0.0131	0.4516	0.0990	1.2200e-003	0.0280	1.4600e-003	0.0294	7.6600e-003	1.4000e-003	9.0600e-003		132.4820	132.4820	9.9000e-003		132.7296
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	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	**0.0624**	**0.4849**	**0.4686**	**2.3000e-003**	**0.1397**	**2.3100e-003**	**0.1420**	**0.0373**	**2.1900e-003**	**0.0395**		**239.7672**	**239.7672**	**0.0130**		**240.0919**

3.3 Site Preparation - 2020

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					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.4557	4.5298	5.5638	8.3000e-003		0.2506	0.2506		0.2305	0.2305		803.3875	803.3875	0.2598		809.8833
Total	**0.4557**	**4.5298**	**5.5638**	**8.3000e-003**	**0.2651**	**0.2506**	**0.5157**	**0.0286**	**0.2305**	**0.2592**		**803.3875**	**803.3875**	**0.2598**		**809.8833**

3.3 Site Preparation - 2020

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	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	**0.0247**	**0.0167**	**0.1848**	**5.4000e-004**	**0.0559**	**4.3000e-004**	**0.0563**	**0.0148**	**3.9000e-004**	**0.0152**		**53.6426**	**53.6426**	**1.5400e-003**		**53.6812**

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					0.1034	0.0000	0.1034	0.0112	0.0000	0.0112			0.0000			0.0000
Off-Road	0.3478	7.4445	6.2797	8.3000e-003		0.2578	0.2578		0.2578	0.2578	0.0000	803.3875	803.3875	0.2598		809.8833
Total	**0.3478**	**7.4445**	**6.2797**	**8.3000e-003**	**0.1034**	**0.2578**	**0.3612**	**0.0112**	**0.2578**	**0.2689**	**0.0000**	**803.3875**	**803.3875**	**0.2598**		**809.8833**

3.3 Site Preparation - 2020

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	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	**0.0247**	**0.0167**	**0.1848**	**5.4000e-004**	**0.0559**	**4.3000e-004**	**0.0563**	**0.0148**	**3.9000e-004**	**0.0152**		**53.6426**	**53.6426**	**1.5400e-003**		**53.6812**

3.4 Grading - 2020

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					0.7542	0.0000	0.7542	0.4140	0.0000	0.4140			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.8674**	**7.8729**	**7.6226**	**0.0120**	**0.7542**	**0.4672**	**1.2214**	**0.4140**	**0.4457**	**0.8597**		**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.4 Grading - 2020

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	0.0131	0.4516	0.0990	1.2200e-003	0.0280	1.4600e-003	0.0294	7.6600e-003	1.4000e-003	9.0600e-003		132.4820	132.4820	9.9000e-003		132.7296
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	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	**0.0624**	**0.4849**	**0.4686**	**2.3000e-003**	**0.1397**	**2.3100e-003**	**0.1420**	**0.0373**	**2.1900e-003**	**0.0395**		**239.7672**	**239.7672**	**0.0130**		**240.0919**

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					0.2942	0.0000	0.2942	0.1615	0.0000	0.1615			0.0000			0.0000
Off-Road	0.4844	10.3677	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	**0.4844**	**10.3677**	**7.9381**	**0.0120**	**0.2942**	**0.4017**	**0.6959**	**0.1615**	**0.4017**	**0.5632**	**0.0000**	**1,147.2352**	**1,147.2352**	**0.2169**		**1,152.6578**

3.4 Grading - 2020

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	0.0131	0.4516	0.0990	1.2200e-003	0.0280	1.4600e-003	0.0294	7.6600e-003	1.4000e-003	9.0600e-003		132.4820	132.4820	9.9000e-003		132.7296
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	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	**0.0624**	**0.4849**	**0.4686**	**2.3000e-003**	**0.1397**	**2.3100e-003**	**0.1420**	**0.0373**	**2.1900e-003**	**0.0395**		**239.7672**	**239.7672**	**0.0130**		**240.0919**

3.5 Building Construction - 2020

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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	**0.8617**	**8.8523**	**7.3875**	**0.0114**		**0.5224**	**0.5224**		**0.4806**	**0.4806**		**1,102.9781**	**1,102.9781**	**0.3567**		**1,111.8962**

3.5 Building Construction - 2020

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	6.9400e-003	0.2106	0.0568	5.0000e-004	0.0128	1.0600e-003	0.0139	3.6800e-003	1.0100e-003	4.7000e-003		53.0755	53.0755	3.7300e-003		53.1688
Worker	0.0296	0.0200	0.2218	6.5000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		64.3711	64.3711	1.8500e-003		64.4174
Total	**0.0366**	**0.2305**	**0.2785**	**1.1500e-003**	**0.0799**	**1.5700e-003**	**0.0814**	**0.0215**	**1.4800e-003**	**0.0230**		**117.4466**	**117.4466**	**5.5800e-003**		**117.5862**

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	0.4704	10.7018	7.9624	0.0114		0.3855	0.3855		0.3855	0.3855	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	**0.4704**	**10.7018**	**7.9624**	**0.0114**		**0.3855**	**0.3855**		**0.3855**	**0.3855**	**0.0000**	**1,102.9781**	**1,102.9781**	**0.3567**		**1,111.8962**

3.5 Building Construction - 2020

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	6.9400e-003	0.2106	0.0568	5.0000e-004	0.0128	1.0600e-003	0.0139	3.6800e-003	1.0100e-003	4.7000e-003		53.0755	53.0755	3.7300e-003		53.1688
Worker	0.0296	0.0200	0.2218	6.5000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		64.3711	64.3711	1.8500e-003		64.4174
Total	**0.0366**	**0.2305**	**0.2785**	**1.1500e-003**	**0.0799**	**1.5700e-003**	**0.0814**	**0.0215**	**1.4800e-003**	**0.0230**		**117.4466**	**117.4466**	**5.5800e-003**		**117.5862**

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
Total	**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**

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	5.9100e-003	0.1911	0.0517	4.9000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0700e-003		52.6748	52.6748	3.5800e-003		52.7642
Worker	0.0277	0.0180	0.2039	6.3000e-004	0.0671	5.0000e-004	0.0676	0.0178	4.6000e-004	0.0182		62.2891	62.2891	1.6800e-003		62.3310
Total	**0.0336**	**0.2091**	**0.2556**	**1.1200e-003**	**0.0799**	**9.0000e-004**	**0.0808**	**0.0215**	**8.5000e-004**	**0.0223**		**114.9638**	**114.9638**	**5.2600e-003**		**115.0952**

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	0.4704	10.7018	7.9624	0.0114		0.3855	0.3855		0.3855	0.3855	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	**0.4704**	**10.7018**	**7.9624**	**0.0114**		**0.3855**	**0.3855**		**0.3855**	**0.3855**	**0.0000**	**1,103.2158**	**1,103.2158**	**0.3568**		**1,112.1358**

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	5.9100e-003	0.1911	0.0517	4.9000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0700e-003		52.6748	52.6748	3.5800e-003		52.7642
Worker	0.0277	0.0180	0.2039	6.3000e-004	0.0671	5.0000e-004	0.0676	0.0178	4.6000e-004	0.0182		62.2891	62.2891	1.6800e-003		62.3310
Total	**0.0336**	**0.2091**	**0.2556**	**1.1200e-003**	**0.0799**	**9.0000e-004**	**0.0808**	**0.0215**	**8.5000e-004**	**0.0223**		**114.9638**	**114.9638**	**5.2600e-003**		**115.0952**

3.6 Paving - 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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7214**	**6.7178**	**7.0899**	**0.0113**		**0.3534**	**0.3534**		**0.3286**	**0.3286**		**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

3.6 Paving - 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	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	**0.0830**	**0.0540**	**0.6118**	**1.8800e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**186.8672**	**186.8672**	**5.0300e-003**		**186.9929**

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	0.5717	9.4775	7.8279	0.0113		0.3472	0.3472		0.3472	0.3472	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5717**	**9.4775**	**7.8279**	**0.0113**		**0.3472**	**0.3472**		**0.3472**	**0.3472**	**0.0000**	**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

3.6 Paving - 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	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	**0.0830**	**0.0540**	**0.6118**	**1.8800e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**186.8672**	**186.8672**	**5.0300e-003**		**186.9929**

3.7 Architectural Coating - 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					
Archit. Coating	7.4345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**7.6534**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 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	4.6100e-003	3.0000e-003	0.0340	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		10.3815	10.3815	2.8000e-004		10.3885
Total	**4.6100e-003**	**3.0000e-003**	**0.0340**	**1.0000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**8.0000e-005**	**3.0400e-003**		**10.3815**	**10.3815**	**2.8000e-004**		**10.3885**

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	7.4345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**7.5485**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 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	4.6100e-003	3.0000e-003	0.0340	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		10.3815	10.3815	2.8000e-004		10.3885
Total	**4.6100e-003**	**3.0000e-003**	**0.0340**	**1.0000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**8.0000e-005**	**3.0400e-003**		**10.3815**	**10.3815**	**2.8000e-004**		**10.3885**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0222	0.1205	0.3242	1.2100e-003	0.1044	1.0000e-003	0.1054	0.0279	9.3000e-004	0.0289		123.0994	123.0994	5.9500e-003		123.2482
Unmitigated	0.0222	0.1205	0.3242	1.2100e-003	0.1044	1.0000e-003	0.1054	0.0279	9.3000e-004	0.0289		123.0994	123.0994	5.9500e-003		123.2482

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	11.09	10.31	5.31	44,960	44,960
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	11.09	10.31	5.31	44,960	44,960

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Other Non-Asphalt Surfaces	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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 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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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 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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
Unmitigated	0.1776	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003

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	0.0204					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
Total	**0.1776**	**1.0000e-005**	**1.5200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2400e-003**	**3.2400e-003**	**1.0000e-005**		**3.4600e-003**

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	0.0204					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2400e-003	3.2400e-003	1.0000e-005		3.4600e-003
Total	**0.1776**	**1.0000e-005**	**1.5200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2400e-003**	**3.2400e-003**	**1.0000e-005**		**3.4600e-003**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX B

EDR RADIUS MAP REPORT WITH GEOCHECK FOR SAN JOAQUIN RESERVOIR

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San Joaquin Reservoir
2300 Ford Rd
Newport Beach, CA 92660

Inquiry Number: 5978460.2s
February 20, 2020

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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

2300 FORD RD
NEWPORT BEACH, CA 92660

COORDINATES

Latitude (North):	33.6215820 - 33° 37' 17.69''
Longitude (West):	117.8429290 - 117° 50' 34.54''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	421811.0
UTM Y (Meters):	3720324.2
Elevation:	309 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5641300 LAGUNA BEACH, CA
Version Date:	2012
North Map:	5640942 TUSTIN, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140514, 20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2300 FORD RD
NEWPORT BEACH, CA 92660

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	METROPOLITAN WATER D	38 RIDGELINE	LUST, HIST CORTESE, CERS		TP
A2	METROPOLITAN WATER D	38 RIDGELINE DR	UST		TP
A3	SAN JOAQUIN RESERVOI	34 RIDGELINE DRIVE	HIST UST		TP
A4	IRVINE RANCH WATER D	38 RIDGELINE DR	HWTS		TP
A5	METROPOLITAN WATER D	38 RIDGELINE DR	HAZNET, HWTS		TP
A6	SAN JOAQUIN RESERVOI	38 RIDGELINE	CIWQS		TP
A7	1X METROPOLITAN WATE	38 RIDGELINE DRIVE	HWTS		TP
B8	ZACHARY CARBONI	2344 PORT ABERDEEN P	HAZNET, HWTS	Lower	827, 0.157, NW
B9	1X MCEACHERN, ROGER	2326 PORT ABERDEEN P	HAZNET, HWTS	Lower	988, 0.187, NW
C10	ROBERT HOVEE	2316 PORT DURNESS PL	HAZNET, HWTS	Lower	993, 0.188, WNW
C11	ALI DOGMETCHI	2312 PORT ABERDEEN P	HWTS	Lower	1110, 0.210, WNW
C12	ALI DOGMETCHI	2312 PORT ABERDEEN P	RCRA NonGen / NLR	Lower	1110, 0.210, WNW
C13	JAY SONI	2306 PORT ABERDEEN P	HAZNET, HWTS	Lower	1172, 0.222, WNW
14	MARCIA BERNHARDT	6 CHAMINADE	HWTS	Higher	1244, 0.236, SSE
15	MICHELLE LIPTZ	2318 PORT CARLISLE P	HAZNET, HWTS	Lower	1250, 0.237, NW
D16		19 SAINT TROPEZ	RCRA NonGen / NLR	Higher	1307, 0.248, West
D17	JOHN MOUTSATON	19 SAINT TROPEZ	HWTS	Higher	1307, 0.248, West
18	COYOTE CANYON SAN LD	COYOTE CYN RD	SEMS-ARCHIVE	Higher	2224, 0.421, East
E19	NEWPORT HILLS CLEANE	2626 SAN MIGUEL DR	CPS-SLIC, Orange Co. Industrial Site, DRYCLEANERS,...	Lower	2239, 0.424, NW
E20	NEWPORT HILLS CLEANE	2626 SAN MIGUEL DRIV	CPS-SLIC, CERS	Lower	2239, 0.424, NW
F21	GRAHAMS UNOCAL 76 IN	2690 SAN MIGUEL RD	SWEEPS UST, CA FID UST, HIST CORTESE	Lower	2269, 0.430, NW
F22	UNOCAL #6521	2690 SAN MIGUEL	LUST, CERS	Lower	2424, 0.459, NW
F23	UNOCAL COP #6521	2690 N SAN MIGUEL DR	LUST	Lower	2424, 0.459, NW
24	LANDFILLCOYOTE CANYO	BONITA & COYOTE CANY	WMUDS/SWAT, WDS	Lower	2445, 0.463, NNE
25	TURTLE RIDGE ELEMENT	6 FEDERATION WAY	ENVIROSTOR, SCH, CERS	Lower	5240, 0.992, NE

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:

Site	Database(s)	EPA ID
METROPOLITAN WATER D 38 RIDGELINE NEWPORT BEACH, CA 92660	LUST Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 12/09/2019 Database: ORANGE CO. LUST, Date of Government Version: 10/04/2019 Facility Id: 90UT054 Facility Status: Case Closed Global Id: T0605901062 Global ID: T0605901062 Status: Completed - Case Closed HIST CORTESE Reg Id: 083001407T CERS	N/A
METROPOLITAN WATER D 38 RIDGELINE DR NEWPORT BEACH, CA 92660	UST Database: UST, Date of Government Version: 09/09/2019 Facility Id: 11027	N/A
SAN JOAQUIN RESERVOI 34 RIDGELINE DRIVE NEWPORT BEACH, CA 92660	HIST UST Facility Id: 00000056722	N/A
IRVINE RANCH WATER D 38 RIDGELINE DR NEWPORT BEACH, CA 92660	HWTS	N/A
METROPOLITAN WATER D 38 RIDGELINE DR NEWPORT BEACH, CA 92660	HAZNET GEPAID: CAL000035460 HWTS	N/A
SAN JOAQUIN RESERVOI 38 RIDGELINE NEWPORT BEACH, CA 92660	CIWQS	N/A
1X METROPOLITAN WATE 38 RIDGELINE DRIVE NEWPORT BEACH, CA 92660	HWTS	N/A

EXECUTIVE SUMMARY

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 RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
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 CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

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

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 Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---- Recycler Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
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
CERS HAZ WASTE ---- CERS HAZ WASTE
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST ---- SWEEPS UST Listing
CERS TANKS ---- California Environmental Reporting System (CERS) Tanks
CA FID UST ---- Facility Inventory 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
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
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities

EXECUTIVE SUMMARY

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
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
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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: 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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/30/2020 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COYOTE CANYON SAN LD Site ID: 0902033 EPA Id: CAD980736409	COYOTE CYN RD	E 1/4 - 1/2 (0.421 mi.)	18	125

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/28/2019 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TURTLE RIDGE ELEMENT Facility Id: 30650004 Status: Certified / Operation & Maintenance	***6 FEDERATION WAY***	***NE 1/2 - 1 (0.992 mi.)***	***25***	***140***

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 2 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #6521	***2690 SAN MIGUEL***	***NW 1/4 - 1/2 (0.459 mi.)***	***F22***	***131***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 12/09/2019 Facility Status: Remediation Plan Global Id: T0605900460 Global ID: T0605900460 Status: Completed - Case Closed				
UNOCAL COP #6521	2690 N SAN MIGUEL DR	NW 1/4 - 1/2 (0.459 mi.)	F23	138
Database: ORANGE CO. LUST, Date of Government Version: 10/04/2019 Facility Id: 85UT061				

CPS-SLIC: 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.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWPORT HILLS CLEANE	***2626 SAN MIGUEL DR***	***NW 1/4 - 1/2 (0.424 mi.)***	***E19***	***127***
Database: CPS-SLIC, Date of Government Version: 12/09/2019 Facility Status: Completed - Case Closed Global Id: SL208664051				
NEWPORT HILLS CLEANE	***2626 SAN MIGUEL DRIV***	***NW 1/4 - 1/2 (0.424 mi.)***	***E20***	***129***
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Additional Characterization Underway				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LANDFILLCOYOTE CANYO	***BONITA & COYOTE CANY***	***NNE 1/4 - 1/2 (0.463 mi.)***	***24***	***138***

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 12/16/2019 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported EPA ID:: CAC003011477	19 SAINT TROPEZ	W 1/8 - 1/4 (0.248 mi.)	D16	124

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALI DOGMETCHI EPA ID:: CAC002968272	2312 PORT ABERDEEN P	WNW 1/8 - 1/4 (0.210 mi.)	C12	119

HIST 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 [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRAHAMS UNOCAL 76 IN Reg Id: 083000574T	***2690 SAN MIGUEL RD***	***NW 1/4 - 1/2 (0.430 mi.)***	***F21***	***129***

HWTS: -> Description here.

A review of the HWTS list, as provided by EDR, and dated 10/15/2019 has revealed that there are 8 HWTS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCIA BERNHARDT	6 CHAMINADE	SSE 1/8 - 1/4 (0.236 mi.)	14	122
JOHN MOUTSATON	19 SAINT TROPEZ	W 1/8 - 1/4 (0.248 mi.)	D17	125

Lower Elevation	Address	Direction / Distance	Map ID	Page
ZACHARY CARBONI	***2344 PORT ABERDEEN P***	***NW 1/8 - 1/4 (0.157 mi.)***	***B8***	***115***
1X MCEACHERN, ROGER	***2326 PORT ABERDEEN P***	***NW 1/8 - 1/4 (0.187 mi.)***	***B9***	***117***
ROBERT HOVEE	***2316 PORT DURNESS PL***	***WNW 1/8 - 1/4 (0.188 mi.)***	***C10***	***117***
ALI DOGMETCHI	2312 PORT ABERDEEN P	WNW 1/8 - 1/4 (0.210 mi.)	C11	119

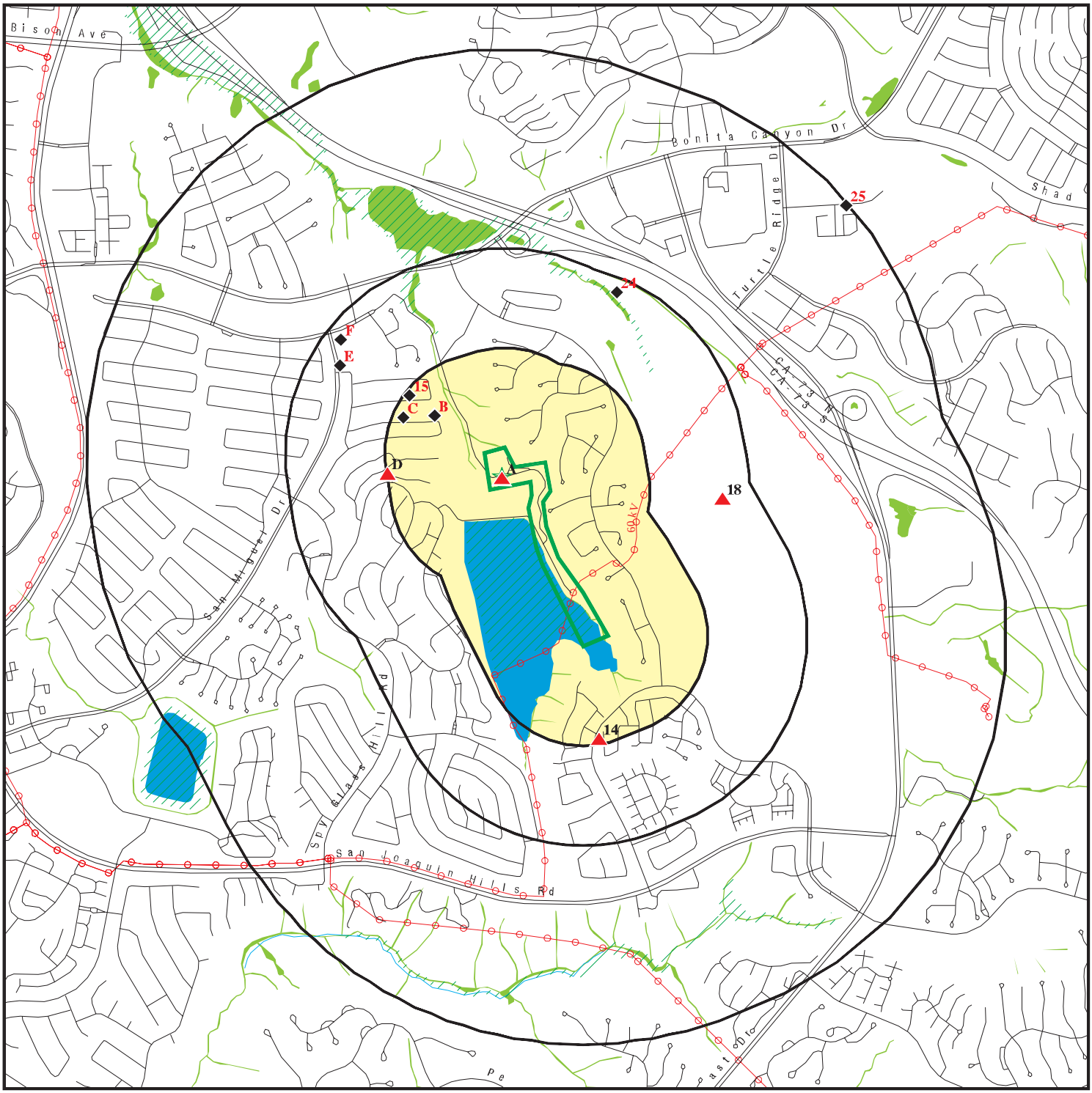
EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAY SONI	*2306 PORT ABERDEEN P*	*WNW 1/8 - 1/4 (0.222 mi.)*	*C13*	*120*
MICHELLE LIPTZ	*2318 PORT CARLISLE P*	*NW 1/8 - 1/4 (0.237 mi.)*	*15*	*122*

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5978460.2S



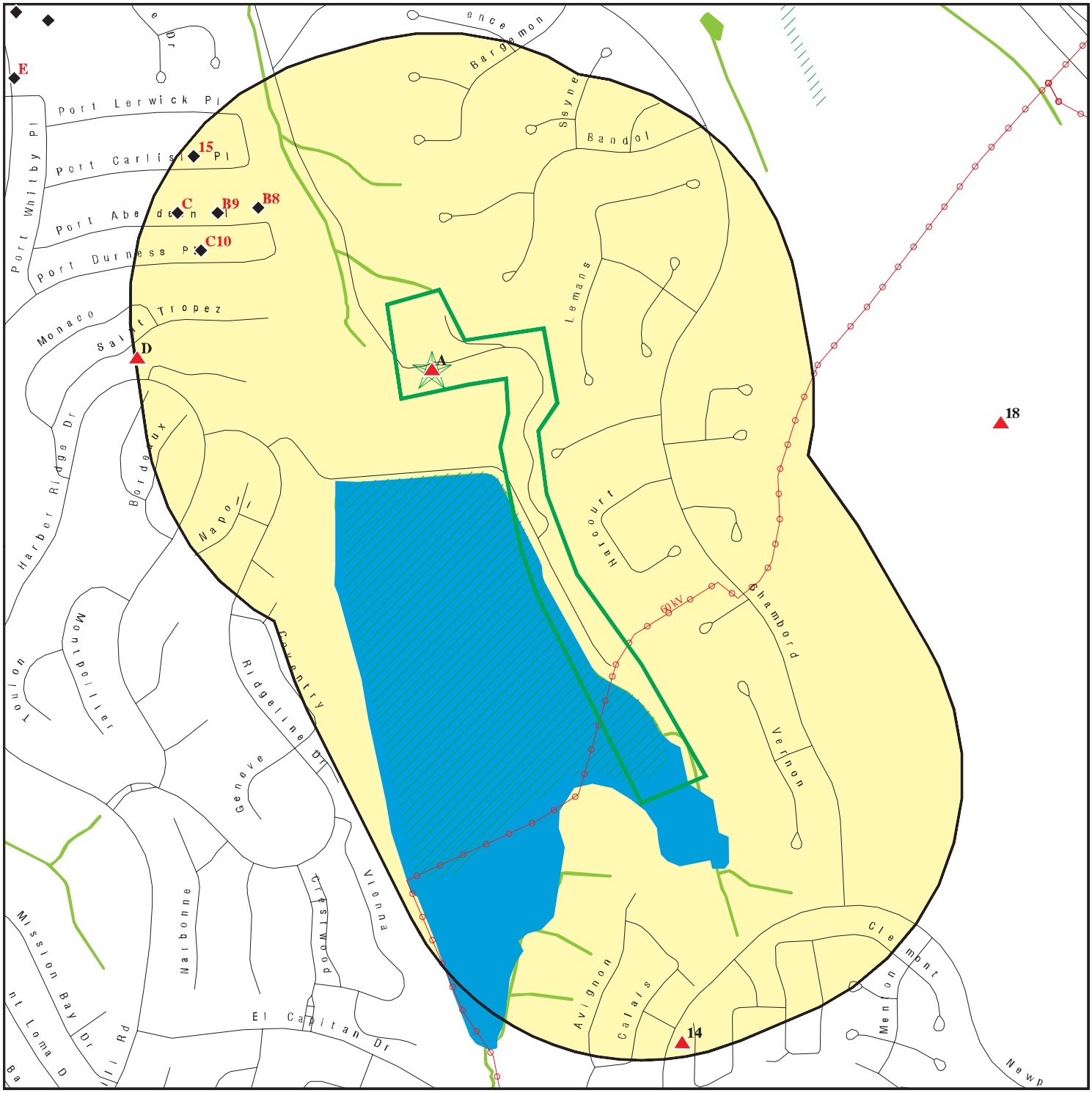
0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- 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:	San Joaquin Reservoir	CLIENT:	LSA Associates
ADDRESS:	2300 Ford Rd Newport Beach CA 92660	CONTACT:	Abby Annicchiarico
LAT/LONG:	33.621582 / 117.842929	INQUIRY #:	5978460.2s
		DATE:	February 20, 2020 12:56 pm

DETAIL MAP - 5978460.2S



- 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
- 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:	San Joaquin Reservoir	CLIENT:	LSA Associates
ADDRESS:	2300 Ford Rd Newport Beach CA 92660	CONTACT:	Abby Annicchiarico
LAT/LONG:	33.621582 / 117.842929	INQUIRY #:	5978460.2s
		DATE:	February 20, 2020 12:58 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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	0	0	2	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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	2	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	0	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
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
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
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		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250	1	0	0	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
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
Records of Emergency Release Reports								
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
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	2	NR	NR	NR	2
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
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	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	0	0	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
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
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	1	0	NR	NR	NR	NR	1
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	0	0	1	NR	NR	2
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	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	0	NR	NR	NR	NR	1
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
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	0.250	3	0	8	NR	NR	NR	11
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
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
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		10	0	10	7	1	0	28

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **METROPOLITAN WATER DISTRICT** **LUST** **S102433331**
Target **38 RIDGELINE** **HIST CORTESE** **N/A**
Property **NEWPORT BEACH, CA 92660** **CERS**

Site 1 of 7 in cluster A

Actual:
309 ft.

LUST:

Name:	METROPOLITAN WATER DISTRICT
Address:	38 RIDGELINE
City,State,Zip:	NEWPORT BEACH, CA 92660
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901062
Global Id:	T0605901062
Latitude:	33.6144701
Longitude:	-117.8453273
Status:	Completed - Case Closed
Status Date:	11/15/1993
Case Worker:	DB
RB Case Number:	083001407T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency
Local Case Number:	90UT054
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605901062
Contact Type:	Local Agency Caseworker
Contact Name:	DENAMARIE BAKER
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E. DYER ROAD, STE. 120
City:	SANTA ANA
Email:	dbaker@ochca.com
Phone Number:	7144336255

LUST:

Global Id:	T0605901062
Action Type:	Other
Date:	01/08/1990
Action:	Leak Discovery

Global Id:	T0605901062
Action Type:	Other
Date:	01/08/1990
Action:	Leak Reported

LUST:

Global Id:	T0605901062
Status:	Open - Case Begin Date
Status Date:	01/08/1990

Global Id:	T0605901062
Status:	Completed - Case Closed
Status Date:	11/15/1993

METROPOLITAN WATER DISTRICT (Continued) **S102433331**

ORANGE CO. LUST:

Name:	METROPOLITAN WATER DISTRICT
Address:	38 RIDGELINE DR
City,State,Zip:	NEWPORT BEACH, CA 92660
Region:	ORANGE
Facility Id:	90UT054
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	11/15/1993
Record ID:	RO0002198

LUST REG 8:

Name:	METROPOLITAN WATER DISTRICT
Address:	38 RIDGELINE
City:	NEWPORT BEACH
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001407T
Local Case Num:	90UT054
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901062
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:	1/8/1990
Enforcement Date:	Not reported
Close Date:	11/15/1993
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:	33.6144701
Longitude:	-117.8453273
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0

METROPOLITAN WATER DISTRICT (Continued) **S102433331**

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:	JK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

HIST CORTESE:

edr_fname:	METROPOLIIAN WATER DISTRI
edr_fadd1:	38 RIDGELINE
City,State,Zip:	NEWPORT BEACH, CA 92660
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001407T

CERS:

Name:	METROPOLITAN WATER DISTRICT
Address:	38 RIDGELINE
City,State,Zip:	NEWPORT BEACH, CA 92660
Site ID:	223915
CERS ID:	T0605901062
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	DENAMARIE BAKER - ORANGE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1241 E. DYER ROAD, STE. 120
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7144336255

A2 **METROPOLITAN WATER DISTRICT** **UST** **U003895556**
Target **38 RIDGELINE DR** **N/A**
Property **NEWPORT BEACH, CA 92660**

Site 2 of 7 in cluster A

Actual:
309 ft.

UST:

Name:	METROPOLITAN WATER DISTRICT
Address:	38 RIDGELINE DR
City,State,Zip:	NEWPORT BEACH, CA 92660
Facility ID:	11027
Permitting Agency:	ORANGE COUNTY
Latitude:	33.61923

METROPOLITAN WATER DISTRICT (Continued) **U003895556**

Longitude: -117.84579

A3 **SAN JOAQUIN RESERVOIR** **HIST UST** **U001577449**
Target **34 RIDGELINE DRIVE** **N/A**
Property **NEWPORT BEACH, CA 92660**

Site 3 of 7 in cluster A

Actual: **309 ft.**

HIST UST:

Name:	SAN JOAQUIN RESERVOIR
Address:	34 RIDGELINE DRIVE
City,State,Zip:	NEWPORT BEACH, CA 92660
File Number:	0002EF03
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EF03.pdf
Region:	STATE
Facility ID:	00000056722
Facility Type:	Other
Other Type:	UTILITY
Contact Name:	HOWARD MOREE
Telephone:	7145287231
Owner Name:	THE METROPOLITAN WATER DISTRIC
Owner Address:	1111 SUNSET BOULEVARD
Owner City,St,Zip:	LOS ANGELES, CA 90012
Total Tanks:	0001
Tank Num:	001
Container Num:	W-OC-7
Year Installed:	1964
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

A4 **IRVINE RANCH WATER DISTRICT** **HWTS** **S124579864**
Target **38 RIDGELINE DR** **N/A**
Property **NEWPORT BEACH, CA 92660**

Site 4 of 7 in cluster A

Actual: **309 ft.**

HWTS:

Name:	IRVINE RANCH WATER DISTRICT
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
EPA ID:	CAC002578652
Inactive Date:	03/07/2005
Create Date:	06/14/2004
Last Act Date:	03/07/2005
Mailing Name:	Not reported
Mailing Address:	PO BOX 5700
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRVINE, CA 92619
Owner Name:	IRVINE RANCH WATER DISTRICT

IRVINE RANCH WATER DISTRICT (Continued) **S124579864**

Owner Address:	PO BOX 5700
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 92619
Contact Name:	DEBBIE CLARK
Contact Address:	PO BOX 5700
Contact Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92619

A5 **METROPOLITAN WATER DISTRICT OF STHRN CAL** **HAZNET** **S113035525**
Target **38 RIDGELINE DR** **HWTS** **N/A**
Property **NEWPORT BEACH, CA 92660**

Site 5 of 7 in cluster A

Actual:
309 ft.

HAZNET:

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460
Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Unspecified aqueous solution
TSD EPA ID:	CAD050806850
TSD County:	19
Disposal Method:	Transfer Station
Tons:	25.62

Additional Info:

Year:	1993
Shipment Date:	19930317
Creation Date:	9/15/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92520820
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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

Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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

Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Name: METROPOLITAN WATER DISTRICT OF STHRN CAL
Address: 38 RIDGELINE DR
Address 2: Not reported
City,State,Zip: NEWPORT BEACH, CA 926606824
Year: 1993
Gepaid: CAL000035460
Contact: E.F. MARTINEZ/ENV. SPECIALIST
Telephone: 2132176281
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Gen County: 30
Waste Category: Asbestos containing waste
TSD EPA ID: CAD067786749
TSD County: 19
Disposal Method: Disposal, Land Fill
Tons: 0.0075

Additional Info:
Year: 1993
Shipment Date: 19930317
Creation Date: 9/15/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92520820
Gen EPA ID: CAL000035460
Trans EPA ID: CAT080034184
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: VTD991301748
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code: 181
RCRA Code: Not reported
Meth Code: Not reported
Quantity Tons: 21.07
Waste Quantity: 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

Year: 1993
Shipment Date: 19930326
Creation Date: 9/1/1995 0:00:00
Receipt Date: 19930402
Manifest ID: 92520988
Gen EPA ID: CAL000035460
Trans EPA ID: CAT080034184

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

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
Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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
Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	25
Quantity Unit:	Y
Additional Code 1:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460
Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Other inorganic solid waste
TSD EPA ID:	UTD991301748
TSD County:	99
Disposal Method:	Disposal, Land Fill
Tons:	21.07

Additional Info:

Year:	1993
Shipment Date:	19930317
Creation Date:	9/15/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92520820
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	25

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

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
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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
Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930902

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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

Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
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

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Other inorganic solid waste
TSD EPA ID:	VTD991301748
TSD County:	Not reported
Disposal Method:	Not reported
Tons:	21.07

Additional Info:

Year:	1993
Shipment Date:	19930317
Creation Date:	9/15/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92520820
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	25
Quantity Unit:	Y

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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

Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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

Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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

Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
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

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460
Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Other inorganic solid waste
TSD EPA ID:	UTD991301748
TSD County:	99

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Disposal Method: Not reported
Tons: 42.14

Additional Info:
Year: 1993
Shipment Date: 19930317
Creation Date: 9/15/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92520820
Gen EPA ID: CAL000035460
Trans EPA ID: CAT080034184
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: VTD991301748
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code: 181
RCRA Code: Not reported
Meth Code: Not reported
Quantity Tons: 21.07
Waste Quantity: 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

Year: 1993
Shipment Date: 19930326
Creation Date: 9/1/1995 0:00:00
Receipt Date: 19930402
Manifest ID: 92520988
Gen EPA ID: CAL000035460
Trans EPA ID: CAT080034184
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD991301748
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code: 181
RCRA Code: Not reported
Meth Code: D80
Quantity Tons: 21.07
Waste Quantity: 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

Year: 1993
Shipment Date: 19930608

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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

Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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
Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Quantity Tons:	18.9
Waste Quantity:	4500
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
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Meth Code:	R01
Quantity Tons:	0.068
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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
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
Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460
Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Other inorganic solid waste
TSD EPA ID:	CAD000633164
TSD County:	13
Disposal Method:	Not reported
Tons:	20.2272

Additional Info:

Year:	1993
Shipment Date:	19930317
Creation Date:	9/15/1995 0:00:00

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Receipt Date:	Not reported
Manifest ID:	92520820
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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
Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Waste Quantity:	14
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
Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930423

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Year: 1993
Shipment Date: 19930902
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19930907
Manifest ID: 93287837
Gen EPA ID: CAL000035460
Trans EPA ID: CAT080034184
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZD049318009
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code: 352
RCRA Code: Not reported
Meth Code: H01
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

Name: METROPOLITAN WATER DISTRICT OF STHRN CAL
Address: 38 RIDGELINE DR
Address 2: Not reported
City,State,Zip: NEWPORT BEACH, CA 926606824
Year: 1993
Gepaid: CAL000035460
Contact: E.F. MARTINEZ/ENV. SPECIALIST
Telephone: 2132176281
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Gen County: 30
Waste Category: Other inorganic solid waste
TSD EPA ID: CAD000633164
TSD County: 13
Disposal Method: Disposal, Land Fill
Tons: 196.3724

Additional Info:
Year: 1993
Shipment Date: 19930317
Creation Date: 9/15/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92520820
Gen EPA ID: CAL000035460
Trans EPA ID: CAT080034184
Trans Name: Not reported
Trans 2 EPA ID: Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	25

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

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
Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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
Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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
Year:	1993
Shipment Date:	19930902

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
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

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460
Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Other inorganic solid waste
TSD EPA ID:	CA0000633164
TSD County:	Not reported
Disposal Method:	Not reported
Tons:	20.2272

Additional Info:

Year:	1993
Shipment Date:	19930317
Creation Date:	9/15/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92520820
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
Quantity Unit:	G

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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

Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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

Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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

Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
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

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460
Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Other organic solids
TSD EPA ID:	AZD049318009
TSD County:	99
Disposal Method:	Transfer Station
Tons:	0.015

Additional Info:

Year:	1993
Shipment Date:	19930317
Creation Date:	9/15/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92520820
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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
Year:	1993
Shipment Date:	19930412

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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

Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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

Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930422
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Meth Code:	H01
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

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
Year:	1993
Gepaid:	CAL000035460
Contact:	E.F. MARTINEZ/ENV. SPECIALIST
Telephone:	2132176281
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Gen County:	30
Waste Category:	Unspecified organic liquid mixture
TSD EPA ID:	AZD049318009
TSD County:	99
Disposal Method:	Recycler
Tons:	0.068

Additional Info:

Year:	1993
Shipment Date:	19930317
Creation Date:	9/15/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92520820
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	VTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930326
Creation Date:	9/1/1995 0:00:00

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Receipt Date:	19930402
Manifest ID:	92520988
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930608
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930609
Manifest ID:	92521265
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	6.72
Waste Quantity:	1600
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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930415
Manifest ID:	92521266
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930412
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930416
Manifest ID:	92521267
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	21.07
Waste Quantity:	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

Year:	1993
Shipment Date:	19930518
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	92521360
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	D80
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
Year:	1993
Shipment Date:	19930614
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930617
Manifest ID:	92521554
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	11.7992
Waste Quantity:	14
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
Year:	1993
Shipment Date:	19930311
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92520829
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Waste Quantity:	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
Year:	1993
Shipment Date:	19930607
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930608
Manifest ID:	92521261
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	135
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	18.9
Waste Quantity:	4500
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
Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521319
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Year:	1993
Shipment Date:	19930429
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930505
Manifest ID:	92521335
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930423
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521336
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930422

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92521337
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000633164
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930430
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930506
Manifest ID:	92521338
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92521532
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930407
Manifest ID:	92495070
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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

Year:	1993
Shipment Date:	19930405
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930408
Manifest ID:	92495071
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80
Quantity Tons:	20.2272
Waste Quantity:	24
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
Year:	1993
Shipment Date:	19930324
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92495074
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	Not reported
Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92499474
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	181
RCRA Code:	Not reported
Meth Code:	D80

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Quantity Tons:	21.07
Waste Quantity:	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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	R01
Quantity Tons:	0.068
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
Year:	1993
Shipment Date:	19930902
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19930907
Manifest ID:	93287837
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	352
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET: record(s) in the EDR Site Report.

Name: METROPOLITAN WATER DISTRICT OF STHRN CAL
Address: 38 RIDGELINE DR
Address 2: Not reported
City,State,Zip: NEWPORT BEACH, CA 926606824
Year: 1994
Gepaid: CAL000035460
Contact: E.F. MARTINEZ/ENV. SPECIALIST
Telephone: 2132176281
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Gen County: 30
Waste Category: Laboratory waste chemicals
TSD EPA ID: CAD050806850
TSD County: 19
Disposal Method: Transfer Station
Tons: 0.1084

Additional Info:
Year: 1994
Shipment Date: 19940406
Creation Date: 3/25/1996 0:00:00
Receipt Date: 19940407
Manifest ID: 93103686
Gen EPA ID: CAL000035460
Trans EPA ID: CAT080034184
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: Not reported
TSDF Alt EPA ID: CAD050806850
TSDF Alt Name: Not reported
Waste Code: 551
RCRA Code: D001
Meth Code: H01
Quantity Tons: 0.0834
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

Year: 1994
Shipment Date: 19940406
Creation Date: 3/25/1996 0:00:00
Receipt Date: 19940407
Manifest ID: 93103686
Gen EPA ID: CAL000035460

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Trans EPA ID:	CAT080034184
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code:	551
RCRA Code:	D001
Meth Code:	H01
Quantity Tons:	0.025
Waste Quantity:	6
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

Year:	1994
Shipment Date:	19940923
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19940930
Manifest ID:	93112087
Gen EPA ID:	CAL000035460
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	343
RCRA Code:	Not reported
Meth Code:	H01
Quantity Tons:	0.051
Waste Quantity:	15
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

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET: record(s) in the EDR Site Report.

HWTS:

Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Address:	38 RIDGELINE DR
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606824
EPA ID:	CAL000035460
Inactive Date:	06/30/2010

METROPOLITAN WATER DISTRICT OF STHRN CAL (Continued) **S113035525**

Create Date:	07/05/1990
Last Act Date:	11/22/2010
Mailing Name:	Not reported
Mailing Address:	PO BOX 54153
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900540153
Owner Name:	METRO WATER DIST OF STHRN CAL
Owner Address:	PO BOX 54153
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900540153
Contact Name:	E.F. MARTINEZ/ENV. SPECIALIST
Contact Address:	PO BOX 54153
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900540153

NAICS:

EPA ID:	CAL000035460
Create Date:	2002-03-14 16:36:27
NAICS Code:	22131
NAICS Description:	Water Supply and Irrigation Systems
Issued EPA ID Date:	1990-07-05 00:00:00
Inactive Date:	2010-06-30 00:00:00
Facility Name:	METROPOLITAN WATER DISTRICT OF STHRN CAL
Facility Address:	38 RIDGELINE DR
Facility Address 2:	Not reported
Facility City:	NEWPORT BEACH
Facility County:	30
Facility State:	CA
Facility Zip:	926606824

A6 **SAN JOAQUIN RESERVOIR CONVERSION TO RECLAIMED WATE** **CIWQS** **S121670984**
Target **38 RIDGELINE** **N/A**
Property **NEWPORT BEACH, CA 92660**

Site 6 of 7 in cluster A

Actual:
309 ft.

CIWQS:

Name:	SAN JOAQUIN RESERVOIR CONVERSION TO RECLAIMED WATER
Address:	38 RIDGELINE
City,State,Zip:	NEWPORT BEACH, CA 92660
Agency:	Irvine Ranch Water District
Agency Address:	15600 Sand Canyon Ave, Irvine, CA 92618
Place/Project Type:	Construction - Other
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	8 30C325516
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/15/2004
Termination Date:	02/15/2005
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported

SAN JOAQUIN RESERVOIR CONVERSION TO RECLAIMED WATER (Continued) **S121670984**

Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.619237
Longitude:	-117.845803

A7 **1X METROPOLITAN WATER DIST OF SO CALIF** **HWTS** **S124529143**
Target **38 RIDGELINE DRIVE** **N/A**
Property **NEWPORT BEACH, CA 92660**

Site 7 of 7 in cluster A

Actual: **309 ft.**

HWTS:

Name:	1X METROPOLITAN WATER DIST OF SO CALIF
Address:	38 RIDGELINE DRIVE
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926600000
EPA ID:	CAC000234969
Inactive Date:	10/25/2000
Create Date:	12/26/1989
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	--
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 926600000
Owner Name:	METROPOL WATER DIST OF SO CAL
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	GUILLORY, DAN/ASST ENG
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

B8 **ZACHARY CARBONI** **HAZNET** **S113773793**
NW **2344 PORT ABERDEEN PL** **HWTS** **N/A**
1/8-1/4 **NEWPORT BEACH, CA 92660**
0.157 mi.
827 ft. **Site 1 of 2 in cluster B**

Relative: **Lower**

Actual: **270 ft.**

HAZNET:

Name:	ZACHARY CARBONI
Address:	2344 PORT ABERDEEN PL
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
Year:	2012
Gepaid:	CAC002686242
Contact:	ZACHARY CARBONI
Telephone:	9496370375
Mailing Name:	Not reported
Mailing Address:	2344 PORT ABERDEEN PL
Gen County:	30
Waste Category:	Asbestos containing waste
TSD EPA ID:	AZC950823111
TSD County:	99

ZACHARY CARBONI (Continued) **S113773793**

Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.2

Additional Info:

Year:	2012
Shipment Date:	20120221
Creation Date:	7/18/2012 20:30:07
Receipt Date:	20120228
Manifest ID:	008629082JJK
Gen EPA ID:	CAC002686242
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	H132
Quantity Tons:	1.2
Waste Quantity:	3
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

HWTS:

Name:	ZACHARY CARBONI
Address:	2344 PORT ABERDEEN PL
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
EPA ID:	CAC002686242
Inactive Date:	08/14/2012
Create Date:	02/15/2012
Last Act Date:	02/15/2012
Mailing Name:	Not reported
Mailing Address:	2344 PORT ABERDEEN PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 92660
Owner Name:	ZACHARY CARBONI
Owner Address:	2344 PORT ABERDEEN PL
Owner Address 2:	Not reported
Owner City,State,Zip:	NEWPORT BEACH, CA 92660
Contact Name:	ZACHARY CARBONI
Contact Address:	2344 PORT ABERDEEN PL
Contact Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660

B9 **1X MCEACHERN, ROGER** **HAZNET** **S123736464**
NW **2326 PORT ABERDEEN PLACE** **HWTS** **N/A**
1/8-1/4 **NEWPORT BEACH, CA 92660**
0.187 mi.
988 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
287 ft.

HAZNET:

Name:	1X MCEACHERN, ROGER
Address:	2326 PORT ABERDEEN PLACE
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926600000
Year:	1991
Gepaid:	CAC000591456
Contact:	LESLIE BARLOW CONTRACTOR
Telephone:	2134260755
Mailing Name:	Not reported
Mailing Address:	2326 PORT ABERDEEN PLACE
Gen County:	19
Waste Category:	Asbestos containing waste
TSD EPA ID:	CAD067786749
TSD County:	19
Disposal Method:	Disposal, Land Fill
Tons:	33.712

HWTS:

Name:	1X MCEACHERN, ROGER
Address:	2326 PORT ABERDEEN PLACE
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926600000
EPA ID:	CAC000591456
Inactive Date:	10/25/2000
Create Date:	04/18/1991
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	2326 PORT ABERDEEN PLACE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 926600000
Owner Name:	ROGER MCEACHERN
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	LESLIE BARLOW CONTRACTOR
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

C10 **ROBERT HOVEE** **HAZNET** **S117281909**
WNW **2316 PORT DURNESS PL** **HWTS** **N/A**
1/8-1/4 **NEWPORT BEACH, CA 92660**
0.188 mi.
993 ft. **Site 1 of 4 in cluster C**

Relative:
Lower

Actual:
306 ft.

HAZNET:

Name:	ROBERT HOVEE
Address:	2316 PORT DURNESS PL
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606804
Year:	2013
Gepaid:	CAC002715743

ROBERT HOVEE (Continued) **S117281909**

Contact:	ROBERT HOVEE
Telephone:	9496406321
Mailing Name:	Not reported
Mailing Address:	2316 PORT DURNESS PL
Gen County:	30
Waste Category:	Asbestos containing waste
TSD EPA ID:	AZC950823111
TSD County:	99
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4

Additional Info:

Year:	2013
Shipment Date:	20130102
Creation Date:	5/8/2013 22:15:09
Receipt Date:	20130114
Manifest ID:	010556603JJK
Gen EPA ID:	CAC002715743
Trans EPA ID:	CAL000160111
Trans Name:	ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	H132
Quantity Tons:	0.4
Waste Quantity:	1
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

HWTS:

Name:	ROBERT HOVEE
Address:	2316 PORT DURNESS PL
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606804
EPA ID:	CAC002715743
Inactive Date:	04/03/2013
Create Date:	01/02/2013
Last Act Date:	04/04/2013
Mailing Name:	Not reported
Mailing Address:	2316 PORT DURNESS PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 926606804
Owner Name:	ROBERT HOVEE
Owner Address:	2316 PORT DURNESS PL
Owner Address 2:	Not reported
Owner City,State,Zip:	NEWPORT BEACH, CA 926606804

ROBERT HOVEE (Continued) **S117281909**

Contact Name:	ROBERT HOVEE
Contact Address:	2316 PORT DURNESS PL
Contact Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 926606804

C11 **ALI DOGMETCHI** **HWTS** **S124687094**
WNW **2312 PORT ABERDEEN PL** **N/A**
1/8-1/4 **NEWPORT BEACH, CA 92660**
0.210 mi.
1110 ft. **Site 2 of 4 in cluster C**

Relative: **Lower**
Actual: **272 ft.**

HWTS:

Name:	ALI DOGMETCHI
Address:	2312 PORT ABERDEEN PL
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
EPA ID:	CAC002968272
Inactive Date:	09/25/2018
Create Date:	06/26/2018
Last Act Date:	09/26/2018
Mailing Name:	Not reported
Mailing Address:	2312 PORT ABERDEEN PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 92660
Owner Name:	ALI DOGMETCHI
Owner Address:	2312 PORT ABERDEEN PL
Owner Address 2:	Not reported
Owner City,State,Zip:	NEWPORT BEACH, CA 92660
Contact Name:	ALI DOGMETCHI
Contact Address:	2312 PORT ABERDEEN PL
Contact Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660

C12 **ALI DOGMETCHI** **RCRA NonGen / NLR** **1024748492**
WNW **2312 PORT ABERDEEN PL** **CAC002968272**
1/8-1/4 **NEWPORT BEACH, CA 92660**
0.210 mi.
1110 ft. **Site 3 of 4 in cluster C**

Relative: **Lower**
Actual: **272 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2018-06-26 00:00:00.0
Facility name:	ALI DOGMETCHI
Facility address:	2312 PORT ABERDEEN PL NEWPORT BEACH, CA 92660
EPA ID:	CAC002968272
Contact:	ALI DOGMETCHI
Contact address:	2312 PORT ABERDEEN PL NEWPORT BEACH, CA 92660
Contact country:	Not reported
Contact telephone:	949-697-7010
Contact email:	SENSITIVEENVIRONMENT@GMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

ALI DOGMETCHI (Continued) **1024748492**

Owner/Operator Summary:

Owner/operator name:	ALI DOGMETCHI
Owner/operator address:	2312 PORT ABERDEEN PL NEWPORT BEACH, CA 92660
Owner/operator country:	Not reported
Owner/operator telephone:	949-697-7010
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ALI DOGMETCHI
Owner/operator address:	2312 PORT ABERDEEN PL NEWPORT BEACH, CA 92660
Owner/operator country:	Not reported
Owner/operator telephone:	949-697-7010
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

C13 **JAY SONI** **HAZNET S112996917**
WNW **2306 PORT ABERDEEN PL** **HWTS N/A**
1/8-1/4 **NEWPORT BEACH, CA 92660**
0.222 mi.
1172 ft. **Site 4 of 4 in cluster C**

Relative: HAZNET:
Lower

Actual: Name:	JAY SONI
282 ft. Address:	2306 PORT ABERDEEN PL
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
Year:	2011

JAY SONI (Continued) **S112996917**

Gepaid:	CAC002680375
Contact:	JAY SONI
Telephone:	3232517763
Mailing Name:	Not reported
Mailing Address:	2324 PORT DURNESS PL
Gen County:	30
Waste Category:	Asbestos containing waste
TSD EPA ID:	AZC950823111
TSD County:	99
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	16

Additional Info:

Year:	2011
Shipment Date:	20111128
Creation Date:	4/14/2012 20:30:11
Receipt Date:	20111130
Manifest ID:	008627487JJK
Gen EPA ID:	CAC002680375
Trans EPA ID:	CAR000049064
Trans Name:	ECTI
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code:	151
RCRA Code:	Not reported
Meth Code:	H132
Quantity Tons:	16
Waste Quantity:	40
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

HWTS:

Name:	JAY SONI
Address:	2306 PORT ABERDEEN PL
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
EPA ID:	CAC002680375
Inactive Date:	05/21/2012
Create Date:	11/22/2011
Last Act Date:	11/22/2011
Mailing Name:	Not reported
Mailing Address:	2324 PORT DURNESS PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 926606804
Owner Name:	JAY SONI
Owner Address:	2324 PORT DURNESS PL
Owner Address 2:	Not reported

JAY SONI (Continued) **S112996917**

Owner City,State,Zip: NEWPORT BEACH, CA 926606804
Contact Name: JAY SONI
Contact Address: 2324 PORT DURNESS PL
Contact Address 2: Not reported
City,State,Zip: NEWPORT BEACH, CA 926606804

14
SSE
1/8-1/4
0.236 mi.
1244 ft.

MARCIA BERNHARDT **HWTS** **S124653899**
6 CHAMINADE **N/A**
NEWPORT COAST, CA 92657

Relative:
Higher

Actual:
635 ft.

HWTS:
Name: MARCIA BERNHARDT
Address: 6 CHAMINADE
Address 2: Not reported
City,State,Zip: NEWPORT COAST, CA 92657
EPA ID: CAC002916794
Inactive Date: 09/28/2017
Create Date: 06/29/2017
Last Act Date: 09/28/2017
Mailing Name: Not reported
Mailing Address: 6 CHAMINADE
Mailing Address 2: Not reported
Mailing City,State,Zip: NEWPORT COAST, CA 92657
Owner Name: MARCIA BERNHARDT
Owner Address: 6 CHAMINADE
Owner Address 2: Not reported
Owner City,State,Zip: NEWPORT COAST, CA 92657
Contact Name: MARCIA BERNHARDT
Contact Address: 6 CHAMINADE
Contact Address 2: Not reported
City,State,Zip: NEWPORT COAST, CA 92657

15
NW
1/8-1/4
0.237 mi.
1250 ft.

MICHELLE LIPTZ **HAZNET** **S117299334**
2318 PORT CARLISLE PL **HWTS** **N/A**
NEWPORT BEACH, CA 92660

Relative:
Lower

Actual:
239 ft.

HAZNET:
Name: MICHELLE LIPTZ
Address: 2318 PORT CARLISLE PL
Address 2: Not reported
City,State,Zip: NEWPORT BEACH, CA 926605421
Year: 2013
Gepaid: CAC002741451
Contact: MICHELLE LIPTZ
Telephone: 9496773243
Mailing Name: Not reported
Mailing Address: 2318 PORT CARLISLE PL
Gen County: 30
Waste Category: Asbestos containing waste
TSD EPA ID: AZC950823111
TSD County: 99
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

MICHELLE LIPTZ (Continued) **S117299334**

Include On-Site Treatment And/Or Stabilization)
Tons: 1.6

Additional Info:
Year: 2013
Shipment Date: 20130903
Creation Date: 1/17/2014 22:15:06
Receipt Date: 20130917
Manifest ID: 010587489JJK
Gen EPA ID: CAC002741451
Trans EPA ID: CAL000160111
Trans Name: ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID: CAR000049064
Trans 2 Name: ECTI
TSDF EPA ID: AZC950823111
Trans Name: LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code: 151
RCRA Code: Not reported
Meth Code: H132
Quantity Tons: 1.6
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

HWTS:
Name: MICHELLE LIPTZ
Address: 2318 PORT CARLISLE PL
Address 2: Not reported
City,State,Zip: NEWPORT BEACH, CA 926605421
EPA ID: CAC002741451
Inactive Date: 11/21/2013
Create Date: 08/22/2013
Last Act Date: 11/22/2013
Mailing Name: Not reported
Mailing Address: 2318 PORT CARLISLE PL
Mailing Address 2: Not reported
Mailing City,State,Zip: NEWPORT BEACH, CA 926605421
Owner Name: MICHELLE LIPTZ
Owner Address: 2318 PORT CARLISLE PL
Owner Address 2: Not reported
Owner City,State,Zip: NEWPORT BEACH, CA 926605421
Contact Name: MICHELLE LIPTZ
Contact Address: 2318 PORT CARLISLE PL
Contact Address 2: Not reported
City,State,Zip: NEWPORT BEACH, CA 926605421

D16
West
1/8-1/4
0.248 mi.
1307 ft.

19 SAINT TROPEZ
NEWPORT BEACH, CA 92660
Site 1 of 2 in cluster D

RCRA NonGen / NLR **1025831914**
CAC003011477

Relative:
Higher

Actual:
429 ft.

RCRA NonGen / NLR:

Date form received by agency:	2019-04-23 00:00:00.0
Facility name:	Not reported
Facility address:	19 SAINT TROPEZ NEWPORT BEACH, CA 92660
EPA ID:	CAC003011477
Contact:	JOHN MOUTSATON
Contact address:	19 SAINT TROPEZ NEWPORT BEACH, CA 92660
Contact country:	Not reported
Contact telephone:	949-400-4302
Contact email:	ERNIE@SIRRIS.BIZ
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JOHN MOUTSATON
Owner/operator address:	19 SAINT TROPEZ NEWPORT BEACH, CA 92660
Owner/operator country:	Not reported
Owner/operator telephone:	949-400-4302
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOHN MOUTSATON
Owner/operator address:	19 SAINT TROPEZ NEWPORT BEACH, CA 92660
Owner/operator country:	Not reported
Owner/operator telephone:	949-400-4302
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	Yes
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

(Continued) **1025831914**

Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

D17 **JOHN MOUTSATON** **HWTS** **S124729036**
West **19 SAINT TROPEZ** **N/A**
1/8-1/4 **NEWPORT BEACH, CA 92660**
0.248 mi.
1307 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
429 ft.

HWTS:

Name:	JOHN MOUTSATON
Address:	19 SAINT TROPEZ
Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
EPA ID:	CAC003011477
Inactive Date:	07/23/2019
Create Date:	04/23/2019
Last Act Date:	07/24/2019
Mailing Name:	Not reported
Mailing Address:	19 SAINT TROPEZ
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 92660
Owner Name:	JOHN MOUTSATON
Owner Address:	19 SAINT TROPEZ
Owner Address 2:	Not reported
Owner City,State,Zip:	NEWPORT BEACH, CA 92660
Contact Name:	JOHN MOUTSATON
Contact Address:	19 SAINT TROPEZ
Contact Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660

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18 **COYOTE CANYON SAN LDFL** **SEMS-ARCHIVE** **1003878648**
East **COYOTE CYN RD** **CAD980736409**
1/4-1/2 **IRVINE, CA 92644**
0.421 mi.
2224 ft.

Relative:
Higher

Actual:
318 ft.

SEMS Archive:

Site ID:	0902033
EPA ID:	CAD980736409
Name:	COYOTE CANYON SAN LDFL
Address:	COYOTE CYN RD
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92644
Cong District:	38
FIPS Code:	06059
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

COYOTE CANYON SAN LDFL (Continued) **1003878648**

SEMS Archive Detail:

Region:	09
Site ID:	0902033
EPA ID:	CAD980736409
Site Name:	COYOTE CANYON SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-10-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0902033
EPA ID:	CAD980736409
Site Name:	COYOTE CANYON SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1979-11-01 05:00:00
Finish Date:	1979-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902033
EPA ID:	CAD980736409
Site Name:	COYOTE CANYON SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1984-12-01 06:00:00
Qual:	L
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902033
EPA ID:	CAD980736409
Site Name:	COYOTE CANYON SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	Not reported

COYOTE CANYON SAN LDFL (Continued) **1003878648**

Finish Date: 1988-10-01 04:00:00
Qual: N
Current Action Lead: EPA Perf

E19 **NEWPORT HILLS CLEANERS** **CPS-SLIC** **S103647635**
NW **2626 SAN MIGUEL DR** **Orange Co. Industrial Site** **N/A**
1/4-1/2 **NEWPORT BEACH, CA 92660** **DRYCLEANERS**
0.424 mi. **EMI**
2239 ft. **Site 1 of 2 in cluster E**

Relative: **Lower**
Actual: **233 ft.**

CPS-SLIC:

Name:	NEWPORT HILLS CLEANERS
Address:	2626 SAN MIGUEL DRIVE
City,State,Zip:	NEWPORT BEACH, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/07/2009
Global Id:	SL208664051
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.6263006995859
Longitude:	-117.849043607712
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	20866
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Orange Co. Industrial Site:

Name:	NEWPORT HILLS CLEANERS
Address:	2626 SAN MIGUEL DR
City,State,Zip:	NEWPORT BEACH, CA 92660
Case ID:	97IC028
Record ID:	RO0000597
Current Status:	CLOSED 11/6/1997
Closure Type:	Closure certification issued
Released Chemical:	PERCHLOROETHYLENE

DRYCLEANERS:

Name:	NEWPORT HILLS CLEANERS
Address:	2626 SAN MIGUEL DR
City,State,Zip:	NEWPORT BEACH, CA 926600000
EPA Id:	CAL000214579
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	12/18/2000
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported

NEWPORT HILLS CLEANERS (Continued) **S103647635**

Owner Name:	ARTIN KUYUMCU
Owner Address:	2626 SAN MIGUEL DR
Owner Address 2:	Not reported
Owner Telephone:	9497200856
Contact Name:	JOHN KAY
Contact Address:	2626 SAN MIGUEL DR
Contact Address 2:	Not reported
Contact Telephone:	9497201024
Mailing Name:	Not reported
Mailing Address 1:	2626 SAN MIGUEL DR
Mailing Address 2:	Not reported
Mailing City:	NEWPORT BEACH
Mailing State:	CA
Mailing Zip:	926600000
Owner Fax:	0000000000
Region Code:	4

DRYCLEAN SOUTH COAST:

Name:	NEWPORT CLEANERS
Address:	2626 SAN MIGUEL
City,State,Zip:	NEWPORT BEACH, CA 92660
Facility ID:	87297
Application Number:	253237
Permit Number:	D40289
Status:	O
Representative Name:	VERONICA GOINS
Representative Telephone:	949 7201024
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	421.14498901
UTM North:	3720.802002

EMI:

Name:	NEWPORT CLEANERS
Address:	2626 SAN MIGUEL
City,State,Zip:	NEWPORT BEACH, CA 926600000
Year:	1995
County Code:	30
Air Basin:	SC
Facility ID:	87297
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

E20
NW
1/4-1/2
0.424 mi.
2239 ft.

NEWPORT HILLS CLEANERS
2626 SAN MIGUEL DRIVE
NEWPORT BEACH, CA

CPS-SLIC **S102955717**
CERS **N/A**

Site 2 of 2 in cluster E

Relative:
Lower

Actual:
233 ft.

SLIC REG 8:

Name:	NEWPORT HILLS CLEANERS
Address:	2626 SAN MIGUEL DRIVE
City:	NEWPORT BEACH
Type:	Soil
Facility Status:	Additional Characterization Underway
Staff:	NA
Substance:	PCE
Lead Agency:	Regional Board
Location Code:	NB-9
Thomas Bros Code:	889-H5

CERS:

Name:	NEWPORT HILLS CLEANERS
Address:	2626 SAN MIGUEL DRIVE
City,State,Zip:	NEWPORT BEACH, CA
Site ID:	232647
CERS ID:	SL208664051
CERS Description:	Cleanup Program Site

F21
NW
1/4-1/2
0.430 mi.
2269 ft.

GRAHAMS UNOCAL 76 INC
2690 SAN MIGUEL RD
NEWPORT BEACH, CA 92660

SWEEPS UST **S101609545**
CA FID UST **N/A**
HIST CORTESE

Site 1 of 3 in cluster F

Relative:
Lower

Actual:
202 ft.

SWEEPS UST:

Name:	GRAHAMS UNOCAL 76 INC
Address:	2690 SAN MIGUEL RD
City:	NEWPORT BEACH
Status:	Active
Comp Number:	2192
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002192-000001
Tank Status:	A
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	4

Name:	GRAHAMS UNOCAL 76 INC
Address:	2690 SAN MIGUEL RD
City:	NEWPORT BEACH
Status:	Active
Comp Number:	2192
Number:	9

GRAHAMS UNOCAL 76 INC (Continued) **S101609545**

Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002192-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: GRAHAMS UNOCAL 76 INC
Address: 2690 SAN MIGUEL RD
City: NEWPORT BEACH
Status: Active
Comp Number: 2192
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002192-000005
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: GRAHAMS UNOCAL 76 INC
Address: 2690 SAN MIGUEL RD
City: NEWPORT BEACH
Status: Active
Comp Number: 2192
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002192-000006
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 30000617
Regulated By: UTNKA

GRAHAMS UNOCAL 76 INC (Continued) **S101609545**

Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7146447151
Mail To:	Not reported
Mailing Address:	911 WILSHIRE BLVD STE 10
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEWPORT BEACH 92660
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

HIST CORTESE:

edr_fname:	UNOCAL #6521
edr_fadd1:	2690
City,State,Zip:	NEWPORT BEACH, CA 92660
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000574T

F22 **UNOCAL #6521** **LUST S102439611**
NW **2690 SAN MIGUEL** **CERS N/A**
1/4-1/2 **CORONA DEL MAR, CA 92660**
0.459 mi.
2424 ft. **Site 2 of 3 in cluster F**

Relative: **Lower**

Actual: **220 ft.**

LUST:

Name:	UNOCAL COP #6521
Address:	2690 SAN MIGUEL
City,State,Zip:	NEWPORT BEACH, CA 92660
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900460
Global Id:	T0605900460
Latitude:	33.626707337
Longitude:	-117.849885638
Status:	Completed - Case Closed
Status Date:	08/17/2015
Case Worker:	Not reported
RB Case Number:	083000574T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:

Global Id:	T0605900460
Contact Type:	Local Agency Caseworker

UNOCAL #6521 (Continued) **S102439611**

Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

LUST:

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 04/19/2013
Action: Staff Letter

Global Id: T0605900460
Action Type: RESPONSE
Date: 05/02/2013
Action: Correspondence

Global Id: T0605900460
Action Type: RESPONSE
Date: 04/22/2013
Action: Verbal Communication

Global Id: T0605900460
Action Type: RESPONSE
Date: 05/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 10/27/2010
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 06/05/2013
Action: Staff Letter

Global Id: T0605900460
Action Type: RESPONSE
Date: 03/01/2014
Action: Correspondence

Global Id: T0605900460
Action Type: RESPONSE
Date: 11/18/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 06/30/2009
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 07/03/2009
Action: Staff Letter

UNOCAL #6521 (Continued) **S102439611**

Global Id: T0605900460
Action Type: RESPONSE
Date: 05/19/2014
Action: Monitoring Report - Quarterly

Global Id: T0605900460
Action Type: RESPONSE
Date: 03/19/2014
Action: Verbal Communication

Global Id: T0605900460
Action Type: RESPONSE
Date: 03/21/2014
Action: Correspondence

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 01/04/2010
Action: Staff Letter

Global Id: T0605900460
Action Type: RESPONSE
Date: 12/28/2014
Action: Email Correspondence

Global Id: T0605900460
Action Type: RESPONSE
Date: 02/09/2015
Action: Monitoring Report - Quarterly

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 09/02/2010
Action: File review

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 01/11/2011
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 10/28/2010
Action: File review

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 12/21/2010
Action: File review

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 05/16/2011
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT

UNOCAL #6521 (Continued) **S102439611**

Date: 08/04/2010
Action: File review

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 08/17/2015
Action: Closure/No Further Action Letter

Global Id: T0605900460
Action Type: Other
Date: 06/25/1985
Action: Leak Discovery

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 07/14/2010
Action: Staff Letter

Global Id: T0605900460
Action Type: RESPONSE
Date: 08/13/2015
Action: Well Destruction Report

Global Id: T0605900460
Action Type: RESPONSE
Date: 06/01/2015
Action: Email Correspondence

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 05/12/2011
Action: File review

Global Id: T0605900460
Action Type: RESPONSE
Date: 01/23/2013
Action: Request for Closure - Regulator Responded

Global Id: T0605900460
Action Type: RESPONSE
Date: 01/16/2014
Action: Site Assessment Report - Regulator Responded

Global Id: T0605900460
Action Type: RESPONSE
Date: 07/08/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0605900460
Action Type: RESPONSE
Date: 07/24/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0605900460
Action Type: RESPONSE
Date: 05/23/2014
Action: Site Assessment Report - Regulator Responded

UNOCAL #6521 (Continued) **S102439611**

Global Id: T0605900460
Action Type: RESPONSE
Date: 11/15/2014
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0605900460
Action Type: REMEDIATION
Date: 06/25/1985
Action: Excavation

Global Id: T0605900460
Action Type: REMEDIATION
Date: 07/01/1988
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605900460
Action Type: REMEDIATION
Date: 11/20/1995
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605900460
Action Type: REMEDIATION
Date: 10/18/2004
Action: Monitored Natural Attenuation

Global Id: T0605900460
Action Type: REMEDIATION
Date: 07/01/1993
Action: Free Product Removal

Global Id: T0605900460
Action Type: REMEDIATION
Date: 07/24/1997
Action: Excavation

Global Id: T0605900460
Action Type: REMEDIATION
Date: 05/23/1996
Action: Excavation

Global Id: T0605900460
Action Type: REMEDIATION
Date: 01/01/1995
Action: Excavation

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 02/21/2008
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 06/16/2005
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT

UNOCAL #6521 (Continued) **S102439611**

Date: 06/03/2004
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 03/06/2006
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 02/15/2008
Action: Staff Letter

Global Id: T0605900460
Action Type: ENFORCEMENT
Date: 10/16/2007
Action: Staff Letter

Global Id: T0605900460
Action Type: Other
Date: 06/25/1985
Action: Leak Reported

Global Id: T0605900460
Action Type: RESPONSE
Date: 11/15/2012
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0605900460
Status: Open - Case Begin Date
Status Date: 06/25/1985

Global Id: T0605900460
Status: Open - Remediation
Status Date: 03/16/1998

Global Id: T0605900460
Status: Open - Remediation
Status Date: 10/18/2004

Global Id: T0605900460
Status: Open - Verification Monitoring
Status Date: 03/08/2011

Global Id: T0605900460
Status: Open - Eligible for Closure
Status Date: 10/29/2014

Global Id: T0605900460
Status: Completed - Case Closed
Status Date: 08/17/2015

LUST REG 8:
Name: UNOCAL #6521

UNOCAL #6521 (Continued) **S102439611**

Address:	2690 SAN MIGUEL
City:	CORONA DEL MAR
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Remediation Plan
Case Number:	083000574T
Local Case Num:	85UT061
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Tank
Global ID:	T0605900460
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/25/1985
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	3/16/1998
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6255247
Longitude:	-117.8493683
MTBE Date:	1/22/2002
Max MTBE GW:	44000
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	JK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	AGR
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

UNOCAL #6521 (Continued) **S102439611**

Summary: Not reported

CERS:

Name:	UNOCAL COP #6521
Address:	2690 SAN MIGUEL
City,State,Zip:	NEWPORT BEACH, CA 92660
Site ID:	195269
CERS ID:	T0605900460
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	DENAMARIE BAKER - ORANGE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1241 E. DYER ROAD, STE. 120
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7144336255

F23 **UNOCAL COP #6521** **LUST** **S120834659**
NW **2690 N SAN MIGUEL DR** **N/A**
1/4-1/2 **NEWPORT BEACH, CA 92660**
0.459 mi.
2424 ft. **Site 3 of 3 in cluster F**

Relative: **Lower**

Actual: **220 ft.**

ORANGE CO. LUST:

Name:	UNOCAL COP #6521
Address:	2690 N SAN MIGUEL DR
City,State,Zip:	NEWPORT BEACH, CA 92660
Region:	ORANGE
Facility Id:	85UT061
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	08/07/2012
Record ID:	RO0002239

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24 **LANDFILLCOYOTE CANYON-CLOSED** **WMUDS/SWAT** **S103442646**
NNE **BONITA & COYOTE CANYON RD.** **WDS** **N/A**
1/4-1/2 **IRVINE, CA 0**
0.463 mi.
2445 ft.

Relative: **Lower**

Actual: **198 ft.**

WMUDS/SWAT:

Edit Date:	19940701
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	SLDWST
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

LANDFILLCOYOTE CANYON-CLOSED (Continued) **S103442646**

waste).
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: SB
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: True
Superorder: True
Open To Public: False
Waste List: False
Agency Type: County
Agency Name: ORANGE CO. IWMD
Agency Department: ORANGE COUNTY GENERAL SERVICES
Agency Address: 320 N. FLOWER, SUITE 400
Agency City,St,Zip: SANTA ANA CA 92703
Agency Contact: KEVIN KONDRU
Agency Telephone: 7148344056
Land Owner Name: IRVINE COMPANY
Land Owner Address: 550 NEWPORT CENTER DRIVE
Land Owner City,St,Zip: NEWPORT BEACH, CA 926588904
Land Owner Contact: JIM LORMAN
Land Owner Phone: 7147202668
Region: 8
Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: COYOTE CANYON SANITARY LANDFILL
Primary SIC: 4953
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: BDNBDNJHM
Waste Discharge System: True
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: WASTE MANAGEMENT DIVISION
Threat to Water Quality: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15: True
Regional Board Project Officer: JPL
Number of WMUDS at Facility: 1
Section Range: 06S09W28
RCRA Facility: No
Waste Discharge Requirements: A
Self-Monitoring Rept. Frequency: Quarterly Submittal
Waste Discharge System ID: 8 300302001
Solid Waste Information ID: 30-AB-0017

WDS:
Name: LANDFILLCOYOTE CANYON-CLOSED
Address: BONITA & COYOTE CANYON RD.
City: IRVINE

LANDFILLCOYOTE CANYON-CLOSED (Continued) **S103442646**

Facility ID:	Santa Ana River 300302001
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
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:	KEVIN KONDRU
Agency Name:	ORANGE CO. IWMD
Agency Address:	320 N. FLOWER SUITE 400
Agency City,St,Zip:	SANTA ANA 92703
Agency Contact:	KEVIN KONDRU
Agency Telephone:	9098344114
Agency Type:	County
SIC Code:	4953
SIC Code 2:	Not reported
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste:	SLDWST
Waste Type2:	Not reported
Waste2:	Solid Wastes
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

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25 **TURTLE RIDGE ELEMENTARY SCHOOL** **ENVIROSTOR** **S121263864**
NE **6 FEDERATION WAY** **SCH** **N/A**
1/2-1 **IRVINE, CA 92603** **CERS**
0.992 mi.
5240 ft.

Relative: **Lower**
Actual: **252 ft.**

ENVIROSTOR:

Name:	TURTLE RIDGE ELEMENTARY SCHOOL
Address:	6 FEDERATION WAY
City,State,Zip:	IRVINE, CA 92603
Facility ID:	30650004
Status:	Certified / Operation & Maintenance

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Status Date: 07/31/2007
Site Code: 404469
Site Type: School Cleanup
Site Type Detailed: School
Acres: 14.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 74
Senate: 37
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.66211
Longitude: -117.7958
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - LIVESTOCK, LANDFILL - DOMESTIC
Potential COC: Methane
Confirmed COC: Methane
Potential Description: SV
Alias Name: IRVINE COMMUNITY DEVELOPMENT CO., LLC
Alias Type: Alternate Name
Alias Name: IRVINE UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: IRVINE USD-PROPOSED TURTLE RIDGE ES
Alias Type: Alternate Name
Alias Name: IRVINE USD-TURTLE RIDGE SCHOOL
Alias Type: Alternate Name
Alias Name: TURTLE RIDGE ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: Vista Verde K-8 School
Alias Type: Alternate Name
Alias Name: 110033609771
Alias Type: EPA (FRS #)
Alias Name: 404444
Alias Type: Project Code (Site Code)
Alias Name: 404469
Alias Type: Project Code (Site Code)
Alias Name: 30650004
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/04/2019
Comments: DTSC prepared the REW and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2003
Comments: PEA approved for Further Action due to Methane (highest conc. 19,000ppm)

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/23/2005
Comments: Final RAW approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 06/27/2006
Comments: Accpted with a condition to install an additional vapor probe west of the buiding.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/30/2006
Comments: DTSC approved the Removal Action Completion report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/27/2007
Comments: DTSC concurred with the information presented in the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/20/2007
Comments: DTSC concurred with information in the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/22/2007
Comments: DTSC concurred with the information in the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Completed Document Type: Operations and Maintenance Report
Completed Date: 10/29/2007
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/23/2008
Comments: DTSC approved the operation and maintenance report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2008
Comments: DTSC reviewed the report and had no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/24/2008
Comments: DTSC accepted the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/26/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/16/2011
Comments: Letter of concurrence with report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/03/2011
Comments: Revised letter sent to continue monitoring from two probes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/17/2012
Comments: Concurred and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/31/2013

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Comments: Approved the Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/24/2015
Comments: Concurred

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 10/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/28/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/12/2007
Comments: DTSC completed certification form associated with completion of removal action activities for the site. Long term operation and maintenance activiies are on going

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 07/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 10/08/2003
Comments: Not reported

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/27/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/24/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2016
Comments: Annual Cost Estimate Letter, dated 09/26/16, sent to RP via email and regular mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/18/2018
Comments: FY 1819 Estimate: $6,544

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2017
Comments: Annual cost estimate letter sent 9/1/17.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: TURTLE RIDGE ELEMENTARY SCHOOL
Address: 6 FEDERATION WAY

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

City,State,Zip:	IRVINE, CA 92603
Facility ID:	30650004
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	14.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404469
Assembly:	74
Senate:	37
Special Program Status:	Not reported
Status:	Certified / Operation & Maintenance
Status Date:	07/31/2007
Restricted Use:	NO
Funding:	School District
Latitude:	33.66211
Longitude:	-117.7958
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - LIVESTOCK, LANDFILL - DOMESTIC
Potential COC:	Methane
Confirmed COC:	Methane
Potential Description:	SV
Alias Name:	IRVINE COMMUNITY DEVELOPMENT CO., LLC
Alias Type:	Alternate Name
Alias Name:	IRVINE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	IRVINE USD-PROPOSED TURTLE RIDGE ES
Alias Type:	Alternate Name
Alias Name:	IRVINE USD-TURTLE RIDGE SCHOOL
Alias Type:	Alternate Name
Alias Name:	TURTLE RIDGE ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	Vista Verde K-8 School
Alias Type:	Alternate Name
Alias Name:	110033609771
Alias Type:	EPA (FRS #)
Alias Name:	404444
Alias Type:	Project Code (Site Code)
Alias Name:	404469
Alias Type:	Project Code (Site Code)
Alias Name:	30650004
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/04/2019
Comments:	DTSC prepared the REW and mailed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2003
Comments: PEA approved for Further Action due to Methane (highest conc. 19,000ppm)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/23/2005
Comments: Final RAW approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 06/27/2006
Comments: Accpted with a condition to install an additional vapor probe west of the buiding.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/30/2006
Comments: DTSC approved the Removal Action Completion report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/27/2007
Comments: DTSC concurred with the information presented in the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/20/2007
Comments: DTSC concurred with information in the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Completed Date: 05/22/2007
Comments: DTSC concurred with the information in the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/29/2007
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/23/2008
Comments: DTSC approved the operation and maintenance report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2008
Comments: DTSC reviewed the report and had no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/24/2008
Comments: DTSC accepted the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/26/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/16/2011
Comments: Letter of concurrence with report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/03/2011
Comments: Revised letter sent to continue monitoring from two probes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/17/2012
Comments: Concurred and approved.

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/31/2013
Comments: Approved the Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/24/2015
Comments: Concurred

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 10/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/28/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/12/2007
Comments: DTSC completed certification form associated with completion of removal action activities for the site. Long term operation and maintenance activiies are on going

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 07/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 10/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/27/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/24/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2016
Comments: Annual Cost Estimate Letter, dated 09/26/16, sent to RP via email and regular mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/18/2018
Comments: FY 1819 Estimate: $6,544

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2017
Comments: Annual cost estimate letter sent 9/1/17.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

TURTLE RIDGE ELEMENTARY SCHOOL (Continued) **S121263864**

CERS:

Name:	TURTLE RIDGE ELEMENT
Address:	6 FEDERATION WAY
City,State,Zip:	IRVINE, CA 92603
Site ID:	344090
CERS ID:	30650004
CERS Description:	School Cleanup

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	SHAHIR HADDAD
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:	Lead Project Manager
Entity Name:	JOHNSON ABRAHAM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CYPRESS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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: 04/05/2019
Next Scheduled EDR Contact: 04/13/2020
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 know 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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/27/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 11/04/2019
Date Data Arrived at EDR: 11/13/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 76

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 05/25/2020
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: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
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: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
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 identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/11/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: 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: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 66

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: 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
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

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: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: 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
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: 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
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: 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
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

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: 09/06/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds 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: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 62

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Semi-Annually

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
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
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
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
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: 06/30/2018
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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.

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
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: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 08/20/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

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: 12/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

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: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/06/2019
Next Scheduled EDR Contact: 04/06/2020
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: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
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: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 66

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
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
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/09/2020
Next Scheduled EDR Contact: 04/20/2020
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.

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: 02/13/2020
Next Scheduled EDR Contact: 05/25/2020
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: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
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: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
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: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
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: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 03/30/2020
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.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
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: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 03/16/2020
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: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 8

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2020
Next Scheduled EDR Contact: 05/18/2020
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
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
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
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
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: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
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
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
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
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
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
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
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
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 78

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
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: 09/30/2019
Date Data Arrived at EDR: 10/09/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 72

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
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: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
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.

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: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
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.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/09/2020
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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
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: 08/12/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/06/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
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: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
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
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
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
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 10/31/2019
Date Data Arrived at EDR: 11/01/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 40

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
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: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 63

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
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

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 03/09/2020
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: 09/06/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 62

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
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: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 03/29/2020
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: 07/19/2019
Date Data Arrived at EDR: 07/22/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 66

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
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: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
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: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
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: 10/07/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/11/2020
Next Scheduled EDR Contact: 05/25/2020
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: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 09/16/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 49
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
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: 12/06/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
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
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
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: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
-> Description here.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 85

Source: -> Agency name here.
Telephone: -> Phone here.
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

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: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 10/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
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: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 63

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/03/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/18/2020
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: 12/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 43

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 05/11/2020
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: 10/08/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 62

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/13/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 70

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 64

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
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: 11/25/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 61

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/08/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 22

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 57

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/27/2020
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: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
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
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 04/27/2020
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
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
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
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
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: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 71
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/27/2020
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
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/27/2020
Number of Days to Update: 68
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
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
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29
Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 44

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 11/20/2019
Date Data Arrived at EDR: 12/02/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 67

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
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: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
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: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 42

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/02/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/02/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2020
Next Scheduled EDR Contact: 05/18/2020
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: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 66

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
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: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 03/30/2020
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: 08/06/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/23/2019
Next Scheduled EDR Contact: 04/13/2020
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: 08/07/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/08/2019
Number of Days to Update: 38
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/23/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
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: 11/26/2019
Date Data Arrived at EDR: 11/27/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 69

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

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: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
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: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/16/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
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: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 05/18/2020
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: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
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: 09/03/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 12/05/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

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: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
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: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 11/01/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 68

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/18/2020
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: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

SHASTA COUNTY:

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: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
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: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 04/06/2020
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: 10/01/2019
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 36

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 66

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/23/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 11/25/2019
Date Data Arrived at EDR: 11/27/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
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: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

VENTURA COUNTY:

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: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
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
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
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
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
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: 09/26/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 51

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
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: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
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: 09/25/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 30

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 63

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
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: 05/14/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/03/2020
Number of Days to Update: 60

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
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: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
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: 01/14/2020
Next Scheduled EDR Contact: 04/07/2020
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: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

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: 12/18/2019
Next Scheduled EDR Contact: 03/23/2020
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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SAN JOAQUIN RESERVOIR
2300 FORD RD
NEWPORT BEACH, CA 92660

TARGET PROPERTY COORDINATES

Latitude (North):	33.621582 - 33° 37' 17.70''
Longitude (West):	117.842929 - 117° 50' 34.54''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	421811.0
UTM Y (Meters):	3720324.2
Elevation:	309 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641300 LAGUNA BEACH, CA
Version Date:	2012
North Map:	5640942 TUSTIN, 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).

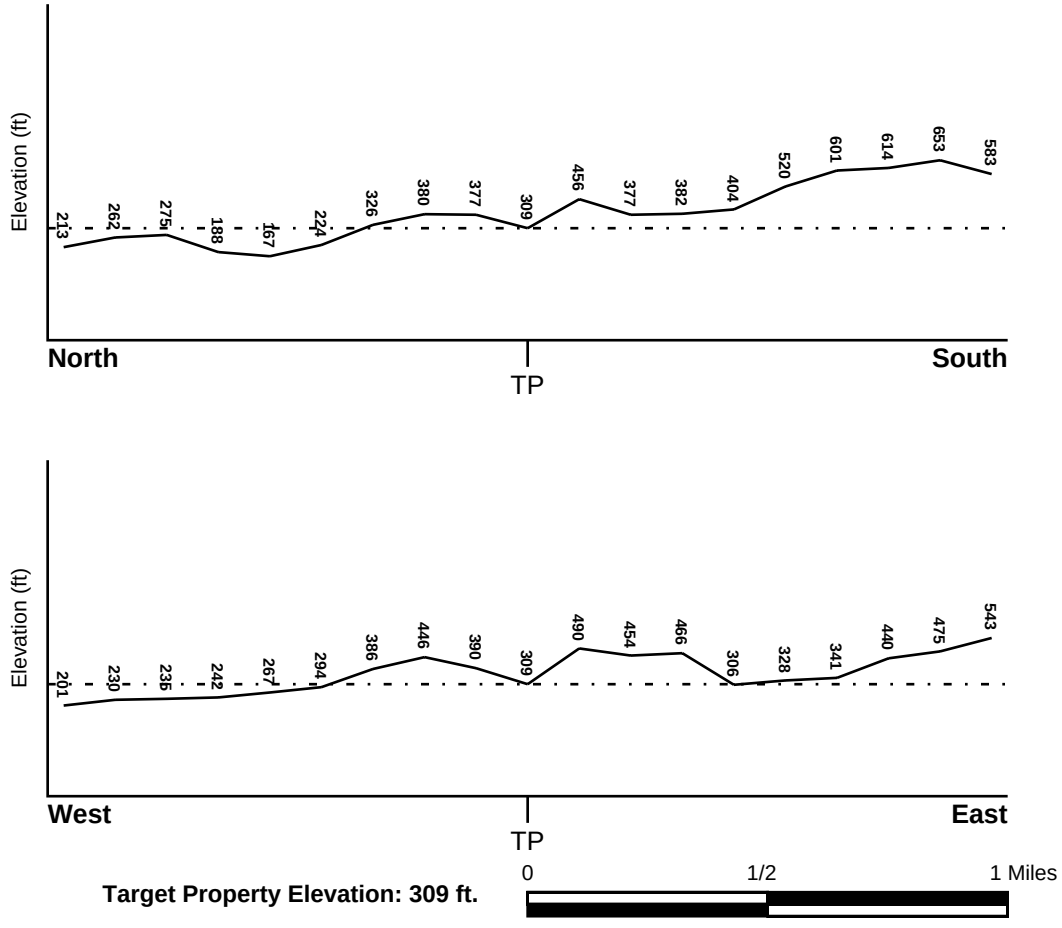
TOPOGRAPHIC INFORMATION

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 WNW

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

Flood Plain Panel at Target Property	FEMA Source Type
06059C0402J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06059C0288J	FEMA FIRM Flood data
06059C0289J	FEMA FIRM Flood data
06059C0401J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LAGUNA BEACH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/4 - 1/2 Mile NW	Not Reported
1G	1/4 - 1/2 Mile NW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

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

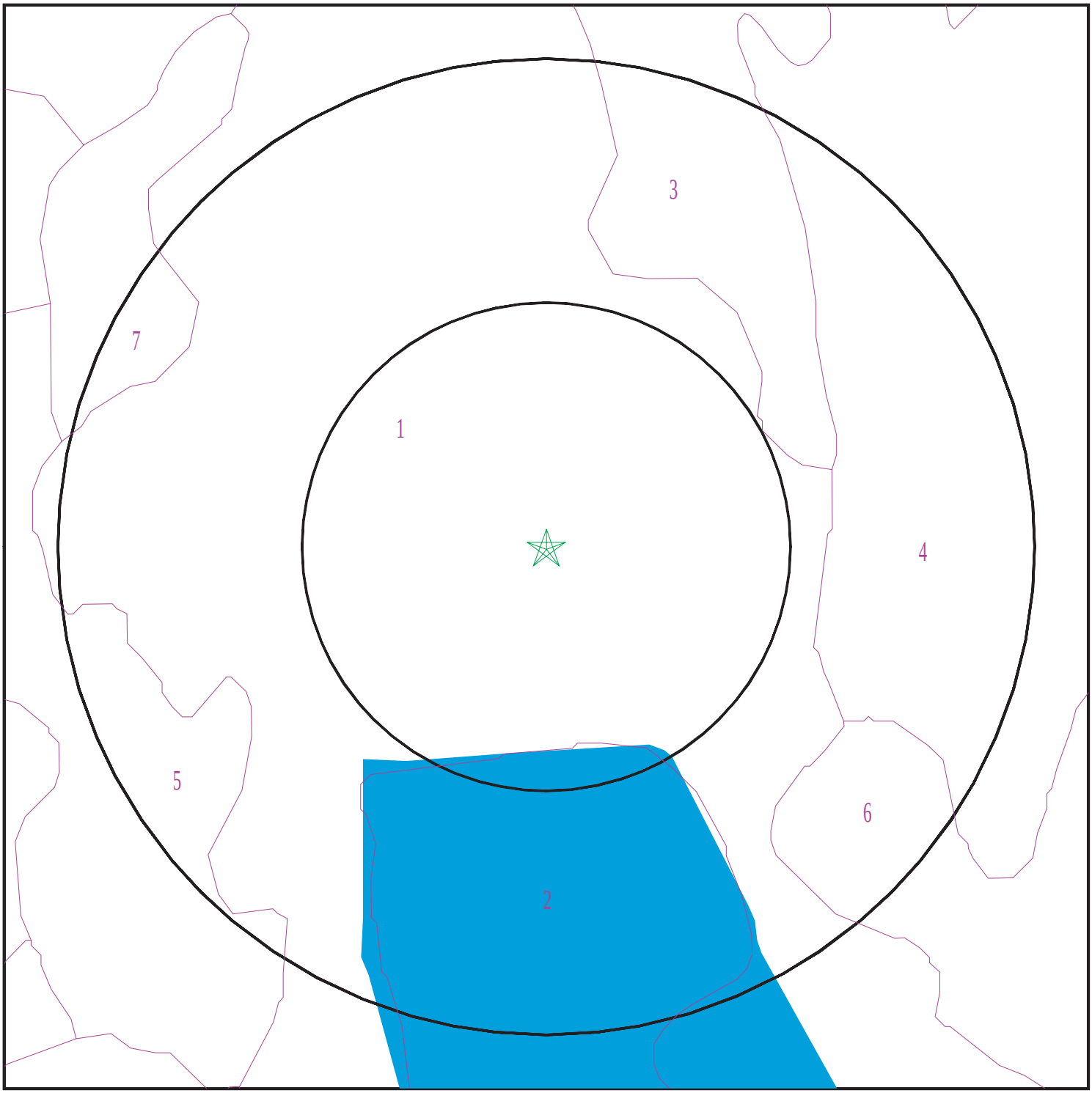
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5978460.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	San Joaquin Reservoir	CLIENT:	LSA Associates
ADDRESS:	2300 Ford Rd Newport Beach CA 92660	CONTACT:	Abby Annicchiarico
LAT/LONG:	33.621582 / 117.842929	INQUIRY #:	5978460.2s
		DATE:	February 20, 2020 12:59 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: CALLEGUAS

Soil Surface Texture: clay 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: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	14 inches	18 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: clay 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:

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: ALO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	clay	Not reported	Not reported	Max: Min:	Max: Min:
2	25 inches	29 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: ALO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	14 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
3	22 inches	25 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 5

Soil Component Name: BALCOM

Soil Surface Texture: clay 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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	33 inches	clay loam	Not reported	Not reported	Max: Min:	Max: Min:
2	33 inches	38 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 6

Soil Component Name: YORBA

Soil Surface Texture: gravelly 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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 8.4 Min: 5.1
2	11 inches	40 inches	very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 8.4 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	40 inches	62 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 8.4 Min: 5.1

Soil Map ID: 7

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
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
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

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

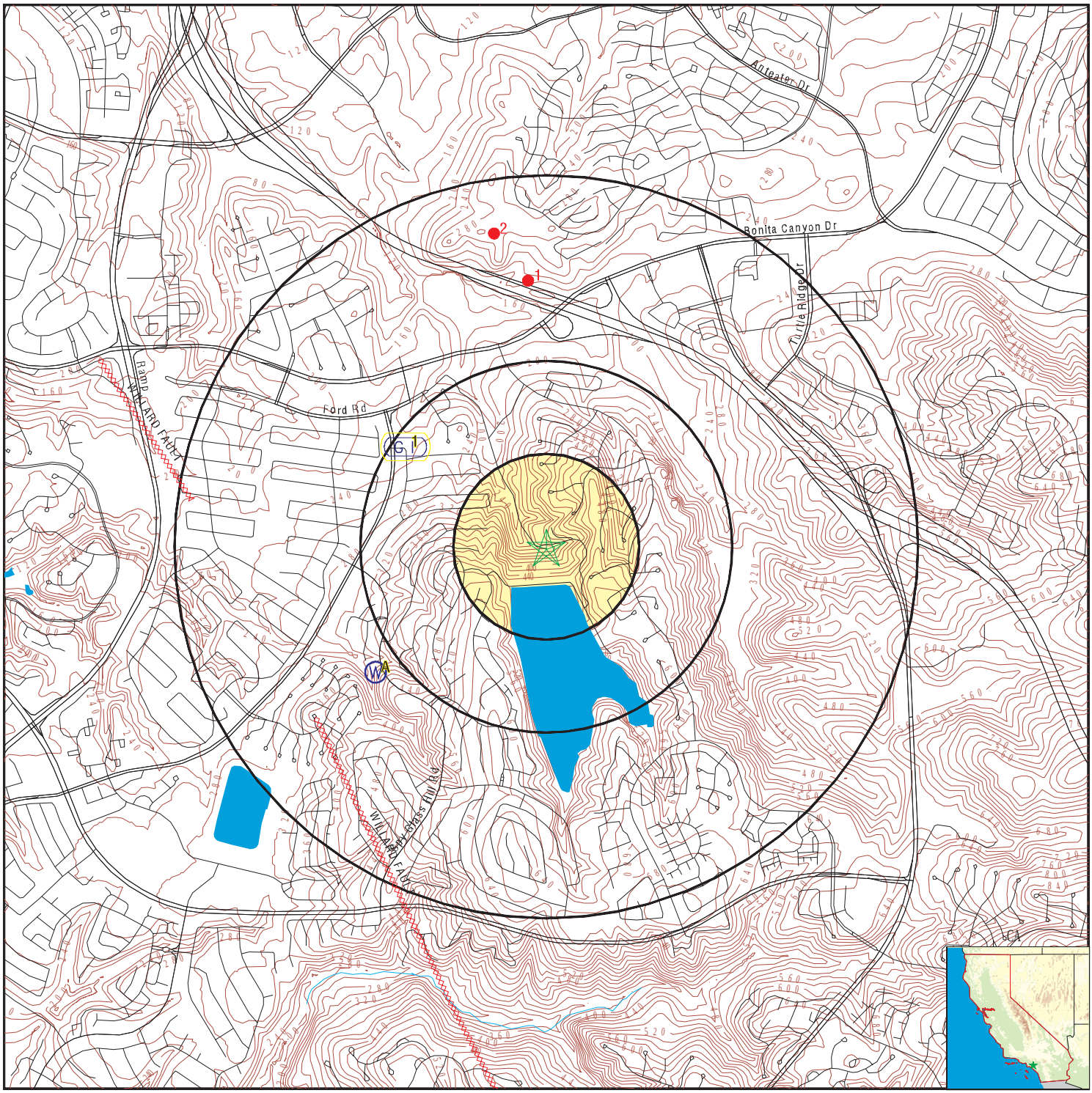
MAP ID	WELL ID	LOCATION FROM TP
A2	5054	1/2 - 1 Mile SW
A3	5053	1/2 - 1 Mile SW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG13000006300	1/2 - 1 Mile North
2	CAOG13000006297	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 5978460.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	San Joaquin Reservoir	CLIENT:	LSA Associates
ADDRESS:	2300 Ford Rd Newport Beach CA 92660	CONTACT:	Abby Annicchiarico
LAT/LONG:	33.621582 / 117.842929	INQUIRY #:	5978460.2s
		DATE:	February 20, 2020 12:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
1 **NW** **1/4 - 1/2 Mile** **Lower**	Site ID:	083000574T	**AQUIFLOW**	**69417**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	4 ft		
	Deep Water Depth:	6 ft		
	Average Water Depth:	Not Reported		
	Date:	07/25/1986		

A2
SW
1/2 - 1 Mile
Higher

CA WELLS **5054**

Seq:	5054	Prim sta c:	04S/09W-31R01 S
Frds no:	3010038028	County:	30
District:	08	User id:	TEE
System no:	3010038	Water type:	G
Source nam:	WELL 28	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333700.0	Longitude:	1175100.0
Precision:	5	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:	3010038	System nam:	City Of Santa Ana
Hqname:	Not Reported	Address:	220 S. DAISY AVE., BLDG. A
City:	SANTA ANA	State:	CA
Zip:	92703	Zip ext:	Not Reported
Pop serv:	293700	Connection:	43613
Area serve:	CITY OF SANTA ANA		

Sample date:	21-FEB-18	Finding:	8.79
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		

Sample date:	21-FEB-18	Finding:	2.42
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	21-FEB-18	Finding:	1.9e-002
Chemical:	RADIUM 226	Report units:	PCI/L
Dlr:	1.		

Sample date:	21-FEB-18	Finding:	0.109
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	21-FEB-18	Finding:	0.506
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	21-FEB-18	Finding:	0.563
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	21-FEB-18	Finding:	4.62
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		

Sample date:	21-FEB-18	Finding:	1.6
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	1.28
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.342
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.304
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	16-MAY-17	Finding:	2.27
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-MAY-17	Finding:	2.27
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-AUG-16	Finding:	458.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	0.14
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	2.19
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-AUG-16	Finding:	757.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	167.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	167.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	2.19
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-AUG-16	Finding:	286.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	87.2
Chemical:	CALCIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	03-AUG-16	Finding:	16.6
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	45.2
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	2.3
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	70.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-AUG-16	Finding:	107.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-AUG-16	Finding:	0.28
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	16-FEB-16	Finding:	2.26
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-16	Finding:	2.26
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-FEB-15	Finding:	464.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	105.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	24-FEB-15	Finding:	0.15
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	2230.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-FEB-15	Finding:	9.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	24-FEB-15	Finding:	0.31
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	24-FEB-15	Finding:	110.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		

Sample date:	24-FEB-15	Finding:	69.5
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	2.3
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	45.5
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	17.1
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	86.3
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	286.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	165.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	165.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-FEB-15	Finding:	773.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	1.11
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.3
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	4.11
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	18-FEB-14	Finding:	0.519
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	8.8e-002
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		
Sample date:	18-FEB-14	Finding:	1.33
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L

Dlr:	0.		
Sample date:	18-FEB-14	Finding:	2310.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	18-FEB-14	Finding:	1.34
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.13
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	18-FEB-14	Finding:	0.322
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	18-FEB-14	Finding:	0.202
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-MAY-13	Finding:	782.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	9.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-FEB-13	Finding:	2130.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-12	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	176.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	214.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	16-FEB-12	Finding:	325.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	97.9
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	16-FEB-12	Finding:	19.5
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	47.2
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	2.7
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	85.9
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	120.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	16-FEB-12	Finding:	0.35
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	16-FEB-12	Finding:	2320.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-12	Finding:	0.13
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	809.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	552.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

A3
SW
1/2 - 1 Mile
Higher

CA WELLS 5053

Seq:	5053	Prim sta c:	04S/09W-31Q01 S
Frds no:	3010038027	County:	30
District:	08	User id:	TEE
System no:	3010038	Water type:	G
Source nam:	WELL 27	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333700.0	Longitude:	1175100.0
Precision:	5	Status:	AU
Comment 1:	H CROOKE RESERVOIR; 730 E. MEMORY LANE		
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:	3010038	System nam:	City Of Santa Ana
Hqname:	Not Reported	Address:	220 S. DAISY AVE., BLDG. A
City:	SANTA ANA	State:	CA
Zip:	92703	Zip ext:	Not Reported

Pop serv:	293700	Connection:	43613
Area serve:	CITY OF SANTA ANA		
Sample date:	21-FEB-18	Finding:	1.96
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-FEB-18	Finding:	4.47
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	21-FEB-18	Finding:	1.95
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	3.8e-002
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.634
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	4.27
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	21-FEB-18	Finding:	1.45
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	1.28
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.342
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.304
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.383
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	1.96
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-FEB-17	Finding:	1.93
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-FEB-17	Finding:	1.92
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-16	Finding:	648.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	16-FEB-16	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	156.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	190.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	1.11
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-16	Finding:	242.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	73.4
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	14.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	50.2
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	63.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	93.8
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	16-FEB-16	Finding:	0.31
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	16-FEB-16	Finding:	378.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	16-FEB-16	Finding:	0.14
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-FEB-16	Finding:	1.11
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	16-JUN-15	Finding:	1090.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-JUN-15	Finding:	4.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-FEB-14	Finding:	5.27
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-FEB-14	Finding:	1190.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	18-FEB-14	Finding:	6.64
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	18-FEB-14	Finding:	1.95
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.528
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.322
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	18-FEB-14	Finding:	1.53
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	1.11
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.343
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	0.163
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	18-FEB-14	Finding:	0.212
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-FEB-14	Finding:	4.7
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		

Sample date:	19-FEB-13	Finding:	706.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	1170.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-FEB-13	Finding:	159.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	159.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	0.32
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	19-FEB-13	Finding:	235.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	71.3
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	13.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	46.3
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	61.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	95.1
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	19-FEB-13	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	19-FEB-13	Finding:	418.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	5.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-FEB-13	Finding:	0.12
Chemical:	BROMIDE	Report units:	MG/L

Dlr:	0.		
Sample date:	19-FEB-13	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-FEB-12	Finding:	1800.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-12	Finding:	7.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

1G
NW
1/4 - 1/2 Mile
Lower

Site ID:	083000574T
Groundwater Flow:	Not Reported
Shallow Water Depth:	4 ft
Deep Water Depth:	6 ft
Average Water Depth:	Not Reported
Date:	07/25/1986

AQUIFLOW **69417**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
North **OIL_GAS** **CAOG13000006300**
1/2 - 1 Mile

API #:	0405901297	Well #:	4
Well Status:	Plugged	Well Type:	DH
Operator Name:	Wucherer-Gray Oil Co. Consolidated		
Lease Name:	Lease by Wucherer-Gray Oil Co. Consolidated		
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

2
North **OIL_GAS** **CAOG13000006297**
1/2 - 1 Mile

API #:	0405901294	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Wucherer-Gray Oil Co. Consolidated		
Lease Name:	Lease by Wucherer-Gray Oil Co. Consolidated		
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92660	57	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.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation 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.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: 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

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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