

# **ADMINISTRATIVE DRAFT INITIAL STUDY/MITIGATED NEGATIVE DECLARATION**

## **SIERRA MADRE PHOTOVOLTAIC SOLAR ARRAY PROJECT SIERRA MADRE, CALIFORNIA**

**Project No. 2001-6972**

**Prepared for:**

City of Sierra Madre  
Planning and Community Preservation  
232 West Sierra Madre Boulevard  
Sierra Madre, California 91024

**Prepared by:**

Padre Associates, Inc.  
369 Pacific Street  
San Luis Obispo, California 93401

**JANUARY 2021**



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#### APPENDICES

Appendix A. Air Quality and Greenhouse Gas Emissions
Appendix B. Phase I Environmental Site Assessment

## LIST OF ACRONYMS

AB	Assembly Bill
AC	Alternating Current
ACOE	U.S. Army Corps of Engineers
ASCE	American Society of Civil Engineers
BESS	Battery Energy Storage System
BMPs	Best Management Practices
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model®
Cal EPA	California Environmental Protection Agency
CalGEM	California Department of Geologic Energy Management Division
CAL FIRE	California Department of Forestry and Fire Protection
Caltrans	California Department of Transportation
CARB	California Air Pollution Control Board
CCAA	California Clean Air Act
CBC	California Building Code
CDC	California Department of Conservation
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CH <sub>4</sub>	Methane
CHRIS	California Historical Resources Information System
CRHR	California Register of Historical Resources
CNEL	Community Noise Level Equivalent
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	CO <sub>2</sub> equivalents
CTCVGM	Construction Vibration Guidance Manual
dB	Decibels
DC	Direct Current
DPM	Diesel Particulate Matter

DTSC	California Department of Toxic Substances Control
EIR	Environmental Impact Report
EMFAC	Emission Factors
FRAP	Fire and Resource Assessment Program
FCAA	Federal Clean Air Act
GHG	Greenhouse Gas
HDVIP	Heavy Duty Vehicle Inspection Program
IPCC	Intergovernmental Panel on Climate Change
IS	Initial Study
kW	Kilowatt
Ldn	Day-Night Average Sound Level
Leq	Energy Equivalent Sound Level
LUST	Leaking Underground Storage Tank
Metro	Los Angeles County Metropolitan Transportation Authority
MND	Mitigated Negative Declaration
MTCO <sub>2e</sub>	Carbon Dioxide Equivalent GHG Emissions
MTCO <sub>2e</sub> /SP	MTCO <sub>2e</sub> per service population
N <sub>2</sub> O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO	Nitric Oxide
NO <sub>2</sub>	Nitrogen Dioxide
NOx	Oxides of Nitrogen
Non-VHFHSZ	Non-Very High Fire Hazard Severity Zone
NPDES	National Pollutant Discharge Elimination System
NWI	National Wetland Inventory
O <sub>3</sub>	Ozone
PM <sub>2.5</sub>	Particulate Matter with w Diameter of 2.5 Microns or Less
PM <sub>10</sub>	Particulate Matter with a diameter of 10 Microns or Less
ppm	Parts Per Million
PPV	Peak Particle Velocity

PUSD	Pasadena Unified School District
PV	Photovoltaic
ROG	Reactive Organic Gases
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCCIC	South Central Coastal Information Center
SO <sub>2</sub>	Sulfur Dioxide
SR	State Route
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic Air Contaminants
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
UST	Underground Storage Tank

## INITIAL STUDY

- 1. Project Title:** Sierra Madre Photovoltaic Solar Array Project  
(Project)
- 2. Lead Agency Name and Address:** City of Sierra Madre  
Planning and Community Preservation  
232 West Sierra Madre Boulevard  
Sierra Madre, California 91024
- 3. Contact Person and Phone Number:** Joshua Wolf, Planner  
(626) 355-7138
- 4. Project Location:** 611 East Sierra Madre Boulevard  
Sierra Madre, California 91024
- 5. Project Sponsor's Name and Address:** Brandon Hartman  
REC Solar  
3450 Broad Street, Suite 105  
San Luis Obispo, California 93401  
(844) 732-7652
- 6. General Plan Designation(s):** Municipal
- 7. Zoning Designation(s):** Civic and City Park

### 8. Summary of Project:

The Project consists of construction and operation of a fixed tilt photovoltaic (PV) solar array with 18 modules on approximately two acres at 611 East Sierra Madre Boulevard in the City of Sierra Madre (City). The solar array system will provide 554.58 kiloWatt (kW) direct current (DC) and 460.00 kW alternating current (AC). The PV system also includes construction and operation of a battery energy storage system (BESS), and a connection into an existing utility meter 713 feet southeast of the solar arrays.

### 9. Surrounding Land Uses and Setting:

Surrounding land uses include residential, industrial, and constructed open space. The Project site is located within City-owned land that is utilized for sports fields and storm water retention basins. Adjacent land uses include storm water detention basins to the north and east, sports fields to the south, and residential properties to the west.

### 10. Other Public Agencies Whose Approval is Required:

Refer to Project Approvals and Permits below.



**11. Have California Native American tribes traditionally and culturally affiliated with the Project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?**

Refer to Cultural Resources section below.

## 1.0 PROJECT DESCRIPTION

The proposed Project would be constructed within a portion of the City of Sierra Madre property located at 611 East Sierra Madre Boulevard, Sierra Madre, California (Project site). The regional location of the Project site is presented on Figures 1-1 and 1-2. The Project Site Plan is presented as Figure 1-3. The proposed Project would consist of construction of a 554.58-kilowatt (kW) solar ground-mounted system and a 111 kW battery energy storage system (BESS), within the overall City of Sierra Madre (City) facilities property north of Sierra Madre Boulevard at Sierra Madre Park. The BESS system would be wired in parallel and would be charged by the photovoltaic (PV) and help offset peak demand for the customer.

The ground mount system is located on approximately two-acres of an overall 39-acre City-owned parcel that has a public park, cemetery, storm water retention ponds, wells, and pumping stations. The proposed Project would be located on an area previously utilized for two storm water retention ponds. The northern pond is partially filled and the southern pond has yet to be filled. Both sites would be filled and graded with a combination of onsite and imported fill material. An access road would be installed around the perimeter with compacted native soil. Water for dust control and other construction use would be provided onsite by the City. There is no tree removal planned on site; however, the trees along the western Project border would be trimmed.

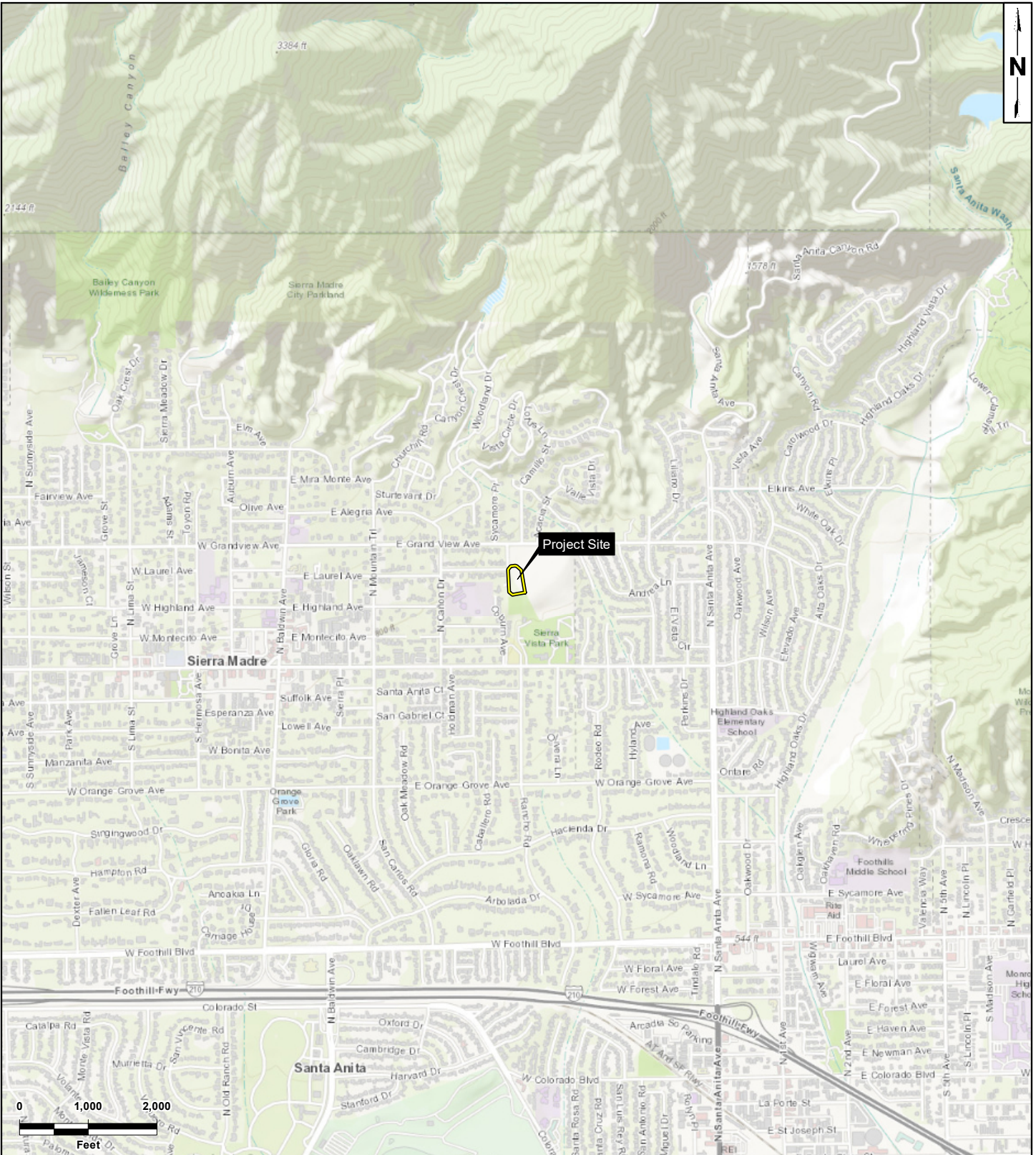
Construction is estimated to start in late spring 2021. Once the pads are filled and graded, the racking would consist of driven steel channel posts installed with a mobile pile driver. The purlins and modules would be installed manually with material to be staged with an all-terrain forklift. A mini excavator would be used for any trenching within the array area and a horizontal boring machine would be used to install the main ductbank from the array to the point of connection at the main electrical room.


### 1.1 PROJECT COMPONENTS

The proposed solar Project would generate approximately 555 kW of direct current electricity which would be delivered to the existing public utility grid. The primary components of the proposed Project would include:

- Solar PV module arrays;
- BESS components;
- Inverters;
- Transformers, circuit breakers, and switchgear; and
- Tie-in electrical line to connect the Project to the existing Southern California Edison (SCE) grid.

The PV module arrays would encompass a two-acre area within the Project site. The PV panels utilize anti-reflective technology and absorb and convert sunlight directly into direct current (DC) electricity. The panels consume no fossil fuels and produce no air emissions. The PV modules would be mounted on a ground-mounted racks arranged that allow the panels to track the sun during daylight hours. The PV mounting racks are arranged in rows to create the complete array.



**LEGEND:**  
 Project Site

**MAP EXTENT:**



Source: Esri Online Topo Basemap  
 Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet  
 Notes: This map was created for informational and display purposes only.



PROJECT NAME: SIERRA MADRE PHOTOVOLTAIC SOLAR ARRAY PROJECT SIERRA MADRE, CA	
PROJECT NUMBER: 2001-6972	DATE: December 2020

# PROJECT SITE

FIGURE  
1-1

Z:\GIS\Projects\GIS\_Maps\Map Project\Sierra Madre Photovoltaic Solar Array Project\Project Site.mxd 1/23/2020



**LEGEND:**

- Project Site
- Assessor Parcel Boundary

**MAP EXTENT:**



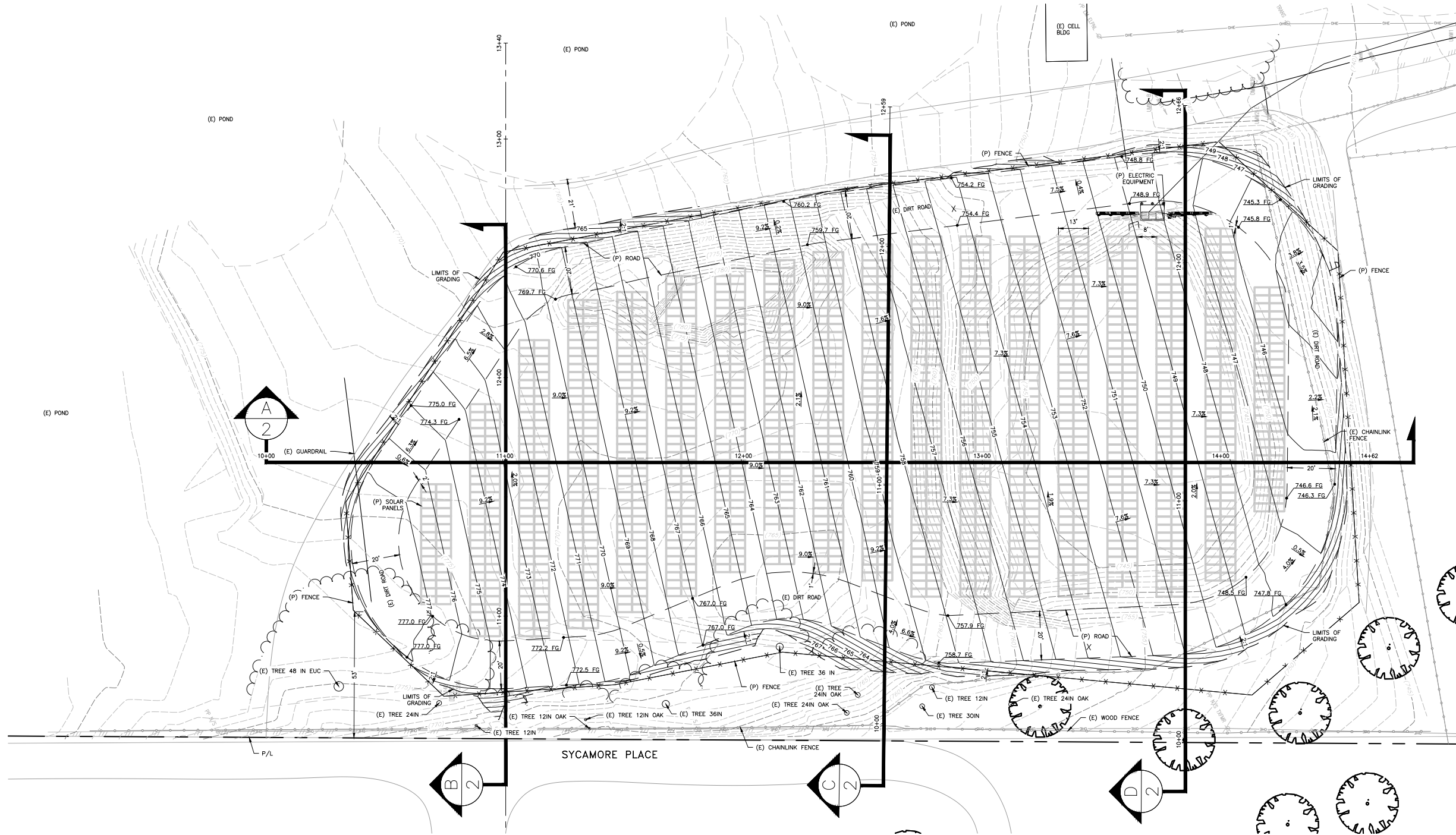
Source: Esri Online Imagery Basemap, County of Los Angeles  
 Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet  
 Notes: This map was created for informational and display purposes only.



PROJECT NAME: SIERRA MADRE PHOTOVOLTAIC SOLAR ARRAY PROJECT SIERRA MADRE, CA	
PROJECT NUMBER: 2001-6972	DATE: December 2020

**PROJECT LOCATION**

FIGURE  
1-2



A  
2

B  
2

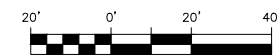
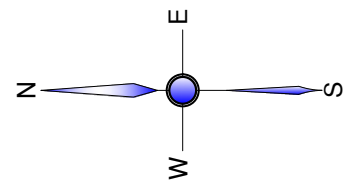
C  
2

D  
2

**EARTHWORK QUANTITIES**

- 8,080 CUT CUBIC YARDS
- 4,785 FILL CUBIC YARDS
- 3,295 EXPORT CUBIC YARDS
- 78,160 SQ. FT. DISTURBED AREA (1.79 AC)

**NOTE:**  
EARTHWORK NUMBERS DO NOT INCLUDE SHRINKAGE



SCALE: 1" = 20'

THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSIDERED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT ALL DIMENSIONS AND DETAILS ARE EXACT OR TO INDICATE THAT THE USE OF THIS DRAWING IMPLIES THE REVIEW AND APPROVAL OF DPSS OF ANY FUTURE USE. ANY USE OF THIS INFORMATION IS AT THE SOLE RISK OF THE USER.

Z:\GIS\Projects\GIS Maps\Map Project\Sierra Madre Photovoltaic Solar Array\Project\Site Plan.mxd 1/11/2021

Source: Diversified Project Services International Nov. 2020  
Notes: This map was created for informational and display purposes only.



PROJECT NAME: SIERRA MADRE PHOTOVOLTAIC SOLAR ARRAY PROJECT SIERRA MADRE, CA	
PROJECT NUMBER: 2001-6972	DATE: January 2021

**PROJECT SITE PLAN**

FIGURE  
1-3

Wiring would be installed underground to connect the solar panels to inverters to convert the DC to alternating current (AC). Wiring would then proceed underground to switchboards and then either 1) to the BESS system, or 2) transformers, as needed, to change the voltage of the AC current for compatibility with the existing nearby SCE meter and connection to the existing SCE distribution system.

## 1.2 CONSTRUCTION METHODS

The former detention ponds would be filled, compacted, and graded with a combination of onsite and imported fill material. An estimated 8,080 cubic yards of cut and 4,785 cubic yards of fill will be required for preparation of the Project site. An estimated 3,295 cubic yards of soil would be exported during the Project to a location near the Project site. An access road would be installed around the perimeter with compacted native soil. Water for dust control and other construction use would be provided onsite by the City. There is no tree removal planned on site; however, the trees along the western Project border would need to be trimmed. Tree trimming activities would be coordinated with the City. A mobile pile driver would be used to drive posts to support each of the PV racks. The mounting equipment and PV panels would be installed manually with materials staged using an all-terrain forklift. A mini-excavator would be used to excavate trenches for laying of electrical conduit and wiring to connect the system components within the array area. A horizontal directional drilling rig would be used to install the main electrical wire connection to the point of connection at the main electrical room. A chain-link fence would be constructed around the perimeter of the PV array area. No demolition is anticipated as part of the proposed Project.

**Table 1-1. Construction Equipment**

Equipment	Units
Horizontal Directional Drill	1
Dump Truck	1
Front Loader	1-2
Fork Lift	1
Grader	1
Scraper	1
Compactor	1
Mini-excavator	1
Backhoe	1
Water Truck	1

## 1.3 MANPOWER AND SCHEDULE

The Solar Facility would require up to a maximum of 12 workers during the course of construction activities. Project construction is scheduled to begin in late spring 2021, and would be completed in approximately six weeks. Construction activities at the Solar Facility site would generally occur during normal daylight hours of 7:00 am to 3:30 pm, Monday through Friday. Additional work time may be necessary to account for unanticipated delays. Construction performed outside of the set work schedule would comply with all City regulations.

## **1.4 WASTES**

The Project site would produce a small amount of solid waste from construction activities, including paper, wood, glass, plastics from packaging material, waste lumber, insulation, scrap metal and concrete, nonhazardous containers, and vegetation waste. The wastes would be segregated, where practical, for recycling. Non-recyclable wastes would be placed in covered dumpsters and removed on a regular basis by a licensed waste handling contract for proper disposal.

## **1.5 PROJECT OPERATIONS AND MAINTENANCE**

The Solar Facility would be monitored remotely during operating daylight hours, even though the Solar Facility would be capable of automatic start up, shut down, self-diagnosis, and fault detection. The panels may be cleaned two times per year to optimize output. The panels would be washed with a mild detergent. Washwater would be disposed of onsite on the ground surface. The Project would utilize water available onsite from the City water system. Maintenance required for the operations would be fulfilled by employees that would mobilize to the Project site from offsite locations. No permanent staff would be located onsite.

Maintenance activities would likely include one to two mowing activities per year using typical commercial mowing equipment. Regular inspections of equipment in the field would occur one to two times per year and include mainly personnel walking the Project site with hand tools to look for damage or troubleshoot electrical outages. Maintenance crews would typically include two to three persons onsite at one time.

### **1.5.1 Access and Security**

Site access for construction and deliveries for the Solar Facility would occur by entrance from Sierra Madre Boulevard. There would be 1,130 linear feet of permanent fencing constructed around the perimeter of the Project site for security.

## **1.6 DECOMMISSIONING**

At such a time that the City and REC Solar determine that the facility has reached its end of usefulness, the City and REC Solar would initiate the following decommissioning activities, including shut-down and isolation of electrical equipment, removal of structures and surface equipment, removal of foundations and poles, and re-seeding of the facility and infrastructure areas. Alternatively, the City may elect to utilize the Solar Facility Project site for other uses associated with City operations.

## **1.7 PROJECT APPROVALS AND PERMITS**

The City of Sierra Madre Planning and Building Department would adopt the Initial Study/Mitigated Negative Declaration (IS/MND) as the lead agency pursuant to the California Environmental Quality Act (CEQA). REC Solar will be required to obtain City construction permits following adoption of the IS/MND. The Project would also be required to comply with the State Water Resources Control Board's Storm Water Construction General Permit, Order No. 2009-009.

## 2.0 SUMMARY OF FINDINGS

### 2.1 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

This project would potentially affect the environmental factors checked below, involving at least one impact that is “Potentially Significant” or “Potentially Significant Unless Mitigation Incorporated” as indicated by the checklist on the following pages.

**Table 2-1. Environmental Issues and Potentially Significant Impacts**

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

### 2.2 ENVIRONMENTAL DETERMINATION

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- 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 the mitigation measures described in Section 4 have been incorporated into the project. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- 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.
- 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.

---

Joshua Wolf  
Planner  
City of Sierra Madre

---

Date

### 3.0 ENVIRONMENTAL ANALYSIS AND INITIAL STUDY CHECKLIST

The evaluation of environmental impacts provided in this Initial Study is based in part on the impact questions contained in Appendix G of the State CEQA Guidelines; these questions, which are included in an impact assessment matrix for each environmental category (Aesthetics, Agriculture/Forest Resources, Air Quality, Biological Resources, etc.), are “intended to encourage thoughtful assessment of impacts.” Each question is followed by a check-marked box with column headings that are defined below.

- **Potentially Significant Impact.** This column is checked if there is substantial evidence that a Project-related environmental effect may be significant. If there are one or more “Potentially Significant Impacts,” a Project Environmental Impact Report (EIR) would be prepared.
- **Less than Significant with Mitigation.** This column is checked when the Project may result in a significant environmental impact, but the incorporation of identified Project revisions or mitigation measures would reduce the identified effect(s) to a less than significant level.
- **Less than Significant Impact.** This column is checked when the Project would not result in any significant effects. The Project’s impact is less than significant even without the incorporation of Project-specific mitigation measures.
- **No Impact.** This column is checked when the Project would not result in any impact in the category or the category does not apply.

Detailed descriptions and analyses of impacts from Project activities and the basis for significance determinations are provided for each environmental factor on the following pages, beginning with Section 4.1, Aesthetics.

### 3.1 AESTHETICS

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

#### 3.1.1 Existing Conditions

The Project site is located on a vacant parcel within a developed urban area surrounded by residential neighborhoods. The City of Sierra Madre is located in the foothills of the San Gabriel Valley, just south of the Angeles National Forest and San Gabriel Mountains. State Route (SR) 2 is the closest State scenic designated highway to the Project site, which is located over 7.25 miles to the north (Caltrans, 2020). An existing berm and row of trees are located along the western property boundary which obscures views to the Project site from adjoining residences to the west.

#### 3.1.2 Impact Analysis

a. *Have a substantial adverse effect on a scenic vista?*

**Less than Significant Impact.** The Project site has scenic views of the San Gabriel Mountains, which are located approximately 0.5 mile north of the Project site. Surrounding the Project site is residential development. The Project would not significantly modify the scenic view of the San Gabriel Mountains, as the proposal solar array system would be located low to the ground (approximately 15 to 20 feet in height). Therefore, a less than significant impact would occur.

b. *Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?*

**No Impact.** The Project is surrounded by local roadways and it not located along a State scenic designated highway. SR 2 is the closest State scenic designated highway to the Project site, which is located over 7.25 miles to the north (Caltrans, 2020). There would be no impact on scenic resources 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 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?*

**Less than Significant Impact.** The Project site is located on a vacant parcel which is surrounded by residential development. The solar array system would not be visible from the surrounding neighborhood streets, and public facilities would not be considered a substantial change given the limited scope of the Project and the highlighted developed nature of the surrounding land use. The Project would not substantially degrade the existing visual character of the Project site and its surroundings, and impacts would be less than significant.

- d. *Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?*

**Less than Significant Impact.** An existing berm and row of trees are located along the western property boundary which obscures views to the Project site from adjoining residences to the west. In addition, the Project site is located over 0.5 miles from hillside residences to the north and east; therefore, the Project would not result in substantial light or glare to surrounding residences.

### **3.1.3 Mitigation Measures**

The Project would not result in significant impacts on aesthetics; therefore, no mitigation is required.

### 3.2 AGRICULTURE AND FORESTRY RESOURCES

<b>AGRICULTURE AND FORESTRY RESOURCES<sup>1</sup> - Would the Project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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 Natural Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Pub. Resources Code, § 12220, subd. (g)), timberland (as defined by Pub. Resources Code, § 4526), or timberland zoned Timberland Production (as defined by Gov. Code, § 51104, subd. (g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### 3.2.1 Existing Conditions

The California Department of Conservation (CDC) California Important Farmland Finder does not identify Prime Farmland, Unique Farmland, or Farmland of Statewide importance in within the Project vicinity (CDC, 2020). In addition, the Project site and surrounding parcels are not currently under a Williamson Act contract nor are they zoned as forestland, timberland, or Timberland Production (City of Sierra Madre, 2017).

#### 3.2.2 Impact Analysis

- 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 Natural Resources Agency, to non-agricultural use?*

<sup>1</sup> 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 Department 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 the forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

**No Impact.** There is no farmland, unique farmland, or farmland of statewide importance, as designated by the Farmland Mapping and Monitoring Program, within the Project site. Therefore, the Project would not convert farmland to non-agricultural use, and no impact would occur.

*b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?*

**No Impact.** The Project site is not zoned for agricultural use or under Williamson Act contract. Therefore, no impact would occur.

*c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Pub. Resources Code, § 12220, subd. (g)), timberland (as defined by Pub. Resources Code, § 4526), or timberland zoned Timberland Production (as defined by Gov. Code, § 51104, subd. (g))?*

**No Impact.** The Project site does not cross any land zoned as forest land or timberland. Therefore, no impact would occur.

*d. Result in the loss of forest land or conversion of forest land to non-forest use?*

**No Impact.** The Project does not cross any forest land and would not result in the loss of forest land or conversion of forest land to non-forest use. Therefore, there no impact would occur.

*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?*

**No Impact.** The Project would not occur with farmland or forest land, or land zoned for farming or forest land, and would not convert farmland to non-agricultural use or forest land or non-forest use. Therefore, no impact would occur.

### **3.2.3 Mitigation Measures**

The Project would not result in significant impacts to agriculture and forestry resources; therefore, no mitigation is required.

### 3.3 AIR QUALITY

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

#### 3.3.1 Existing Conditions

The U.S. Environmental Protection Agency (USEPA) has established national ambient air quality standards (NAAQS) to protect public health (primary standards) and welfare (secondary standards). Air basins are classified by the USEPA as in “attainment” or “non-attainment” based on meeting the NAAQS. The state of California Air Pollution Control Board (CARB) has established separate, more stringent California ambient air quality standards (CAAQS), which also requires air basins to be designated as in “attainment” or “non-attainment” based on meeting the CAAQS. NAAQS and CAAQS have been established for ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, suspended particulate matter (e.g. dust) and lead (refer to Table 3.3-1). In addition, California has standards for ethylene, hydrogen sulfide, sulfates and visibility-reducing particles.

The Project Site is located within Los Angeles County and is further located with the South Coast Air Basin. Air quality in the basin is regulated by the South Coast Air Quality Management District (SCAQMD). The basin is currently designated as in non-attainment for the 8-hour ozone (O<sub>3</sub>) and particulate matter with a diameter of 2.5 microns or less (PM<sub>2.5</sub>) NAAQS and non-attainment for particulate matter with a diameter of 10 microns or less (PM<sub>10</sub>), PM<sub>2.5</sub>, O<sub>3</sub> and sulfide CAAQS (CARB 2020a). Los Angeles County is in federal non-attainment for lead (CARB 2020a). Due to the lack of available air quality data the South Coast Air Basin is unclassified for NAAQS for Carbon Monoxide (CO), nitrogen dioxide (NO<sub>2</sub>) and Sulfur Dioxide (SO<sub>2</sub>), and Visibility Reducing Particles CAAQS (CARB 2020a).

##### 3.3.1.1 Criteria Pollutants

Criteria air pollutants are those contaminants for which ambient air quality standards have been established for the protection of public health and welfare. Criteria pollutants include O<sub>3</sub>, CO, oxides of nitrogen (NO<sub>x</sub>), SO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>.

**Ozone.** O<sub>3</sub> is formed in the atmosphere through complex photochemical reactions involving NO<sub>x</sub>, reactive organic gases (ROG) (also known as reactive organic compounds), and sunlight that occur over several hours. Since O<sub>3</sub> is not emitted directly into the atmosphere but is formed as a result of photochemical reactions, it is classified as a secondary or regional pollutant. These O<sub>3</sub>-forming reactions take time, and therefore peak ozone levels are often found downwind of major source areas. O<sub>3</sub> is considered a respiratory irritant and prolonged exposure can reduce lung function, aggravate asthma, and increase susceptibility to respiratory infections. Children and those with existing respiratory diseases are at greatest risk from ozone exposure.

**Carbon Monoxide.** CO is primarily formed through the incomplete combustion of organic fuels. Higher CO values are generally measured during winter when dispersion is limited by morning surface inversions. Seasonal and diurnal variations in meteorological conditions lead to lower values in summer and in the afternoon. CO is an odorless, colorless gas. CO affects red blood cells in the body by binding to hemoglobin and reducing the amount of oxygen that can be carried to the body's organs and tissues, which can cause health effects to those with cardiovascular disease and can affect mental alertness and vision.

**Nitric Oxide (NO).** NO is a colorless gas formed during combustion processes which rapidly oxidizes to form NO<sub>2</sub>, a brownish gas. The highest nitrogen dioxide values are generally measured in urbanized areas with heavy traffic. Exposure to NO<sub>2</sub> may increase the potential for respiratory infections in children and cause difficulty in breathing even among healthy persons and especially among asthmatics.

**Sulfur Dioxide.** SO<sub>2</sub> is a colorless, reactive gas that is produced from burning sulfur-containing fuels, such as coal and oil, as well as by other industrial processes. Generally, the highest concentrations of SO<sub>2</sub> are found near large industrial sources. SO<sub>2</sub> is a respiratory irritant that can cause narrowing of the airways, leading to wheezing and shortness of breath. Long-term exposure to SO<sub>2</sub> can cause respiratory illness and aggravate existing cardiovascular disease.

**Particulate Matter.** Ambient air quality standards have been set for PM<sub>10</sub> and PM<sub>2.5</sub>. Both consist of different types of particles suspended in the air, such as metal, soot, smoke, dust and fine mineral particles. The particles' toxicity and chemical activity can vary, depending on the source. The primary source of PM<sub>10</sub> emissions appears to be from the soil via road use, construction, agriculture, and natural windblown dust; other sources include sea salt, combustion processes (such as those in gasoline or diesel vehicles), and wood burning. Primary sources of PM<sub>2.5</sub> emissions come from construction sites, wood stoves, fireplaces and diesel truck exhaust. Particulate matter is a health concern because when inhaled it can cause permanent lung damage. While both sizes of particulates can be dangerous when inhaled, PM<sub>2.5</sub> tends to be more damaging because it remains in the lungs.

#### 3.3.1.2 Air Toxic Health Risks

Diesel fuel combustion in internal combustion engines produces exhaust containing a number of compounds that have been identified as toxic air contaminants (TACs) by CARB. In 1998, CARB identified diesel particulate matter (DPM) from diesel exhaust as a TAC. In 2000, CARB developed the Diesel Risk Reduction Plan to reduce PM and DPM emissions from diesel-fueled engines and vehicles to establish new emission standards, certification programs, and engine retrofit programs to control exhaust emissions from diesel engines and vehicles (CARB,



2000). CARB has the following diesel enforcement programs and regulations to reduce the smog-forming pollutant and TAC emissions and that may be applicable to the Project:

**Commercial Vehicle Idling.** Diesel-fueled motor vehicles with a gross vehicle weight rating greater than 10,000 pounds are prohibited from idling the vehicle's primary engine for more than five minutes at any location.

**Heavy Duty Vehicle Inspection Program (HDVIP).** The HDVIP program requires heavy-duty trucks and buses to be inspected for excessive smoke, tampering, and engine certification label compliance.

**Software Upgrade for Diesel Trucks.** Requires owners of eligible 1993–1998 model year electronically controlled heavy-duty diesel engines to install low NOx software at the time of an engine rebuild.

**Truck and Bus Regulation.** This regulation requires that all trucks and buses be equipped with 2010 or newer model year engines to reduce PM, DPM and NOx emissions. Starting in 2020, the California Department of Motor Vehicles will only register vehicles that comply with this regulation.

**Strategic Plan for Diesel Enforcement.** Assembly Bill (AB) 233 also known as the Healthy Heart and Lung Act (HHLA) enacted in 2007, requires CARB to develop a strategic plan to enforce diesel emission control regulations. HHLA specifically requires CARB, every 3 years, to review existing diesel emission control regulations enforcement and anticipated enforcement needed to implement the Diesel Risk Reduction Plan. Based on that review, CARB is required to develop a Strategic Plan for consistent, comprehensive and fair enforcement of these regulations. In 2008 CARB issued a notice of postponement for the first Strategic Plan's public review (CARB 2008). No future date for public review has been set and further review by CARB has been postponed (CARB 2020c, 2020d).

### 3.3.2 Regulatory Setting

USEPA has jurisdiction under the Federal Clean Air Act (FCAA) and its amendments. The CARB has jurisdiction under the California Clean Air Act (CCAA) and California Health and Safety Code. USEPA and CARB classify an area as attainment, unclassified, or non-attainment, depending on whether the monitored ambient air quality data show compliance, insufficient data to determine compliance, or non-compliance with the NAAQS and CAAQS, respectively.

Air quality standards are specific pollutant concentration thresholds that are used to protect public health and the public welfare. USEPA has developed the NAAQS to provide an adequate margin of safety to protect human health and to protect the public welfare from any known or anticipated adverse effects. CARB has developed CAAQS, which are generally lower in concentration (i.e., more stringent) than NAAQS. Table 3.3-1 lists the NAAQS and CAAQS (CARB, 2020b).

**Table 3.3-1. Ambient Air Quality Standards (State and Federal)**

Pollutant	Averaging Time	California Standard	Federal Standard
Ozone (O <sub>3</sub> )	1-Hour	0.09 ppm	--
Ozone (O <sub>3</sub> )	8-Hour	0.070 ppm	0.070 ppm
Carbon Monoxide (CO)	1-Hour	20 ppm	35 ppm
Carbon Monoxide (CO)	8-Hour	9.0 ppm	9 ppm
Nitrogen Dioxide (NO <sub>2</sub> )	Annual Arithmetic Mean	0.030 ppm	0.053 ppm
Nitrogen Dioxide (NO <sub>2</sub> )	1-Hour	0.18 ppm	100 ppb
Sulfur Dioxide (SO <sub>2</sub> )	Annual Arithmetic Mean	--	0.030 ppm
Sulfur Dioxide (SO <sub>2</sub> )	24-Hour	0.04 ppm	0.14 ppm
Sulfur Dioxide (SO <sub>2</sub> )	3-Hour	--	0.5 ppm (secondary)
Sulfur Dioxide (SO <sub>2</sub> )	1-Hour	0.25 ppm	75 ppb
Particulate Matter PM <sub>10</sub>	Annual Geometric Mean	20 µg/m <sup>3</sup>	--
Particulate Matter PM <sub>10</sub>	24-Hour	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>
Fine Particulate Matter PM <sub>2.5</sub>	Annual Geometric Mean	12 µg/m <sup>3</sup>	12.0 µg/m <sup>3</sup>
Fine Particulate Matter PM <sub>2.5</sub>	24-Hour	--	35 µg/m <sup>3</sup>
Hydrogen Sulfide (H <sub>2</sub> S)	1-Hour	0.03 ppm	--
Vinyl Chloride	24 Hour	0.01 ppm	--
Sulfates	24 Hour	25 µg/m <sup>3</sup>	--
Lead	30 Day Average	1.5 µg/m <sup>3</sup>	--
Lead	Calendar Quarter	--	1.5 µg/m <sup>3</sup>
Lead	Rolling 3-Month Average	--	0.15 µg/m <sup>3</sup>
Visibility Reducing Particles	8-Hour	Extinction coefficient of 0.23 per kilometer visibility of ten miles or more depending on relative humidity.	--

Source: CARB, 2020b

### 3.3.3 Regional/Local Regulatory Setting

The SCAQMD shares responsibility with CARB for ensuring that all ambient air quality standards are attained within the district. The SCAQMD has jurisdiction under the California Health and Safety Code to develop emission standards (rules) for the district, issue air pollution permits, and require emission controls for stationary sources in the district. The SCAQMD is also responsible for the attainment of air quality standards in the district. The current 2016 Air Quality Management Plan (AQMP) for the South Coast Air Basin was designed to meet state and federal regulations to obtain and maintained attainment of the NAAQS and CAAQS within the Basin. The SCAQMD has published significance thresholds for determining whether projects have significant air quality impacts (Refer to Table 3.3-2). These significance thresholds are used to evaluate whether a project would conflict with or obstruct implementation of the AQMP. Projects that exceed these thresholds are considered to have a significant impact on air quality.

**Table 3.3-2. SCAQMD Significant Thresholds**

Criteria Pollutants	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	Lead
Thresholds (lb/day)	75	550	100	150	150	55	3

Source: SCAQMD, 2019

#### 3.3.3.1 SCAQMD Rules

The following SCAQMD rule is applicable to the Project:

**Rule 402 Nuisance.** A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

#### 3.3.4 Impact Analysis

- 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 non-attainment under an applicable federal or state ambient air quality standard?*

**Less Than Significant Impact.** Padre conducted emissions modeling to estimate the criteria pollutant emissions for the construction and operational phases of the Project. The emissions were estimated using the most recent emission factors and load factors obtained from the California Emissions Estimator Model® (CalEEMod) User’s Guide, Emission Factors (EMFAC) model and the SCAQMD. Engine horsepower and schedule were estimated or obtained from the applicant. On-road vehicle emissions were estimated using the vehicle type (i.e. passenger gasoline-powered vehicle, heavy-duty diesel-powered vehicle), engine emission factors and length of daily round trips. Fugitive dust emissions from proposed soil disturbance

activities related to the construction phase were calculated using the volumes of earth material disturbed, and areas of earth material disturbed as provided by the applicant. Detailed source information is provided in Appendix A.

During the construction phase of the Project criteria pollutant emissions would be generated by construction equipment used for grading and construction activities. These emissions would include criteria pollutants NO<sub>x</sub> and ROG (O<sub>3</sub> precursors), PM<sub>10</sub> (exhaust and fugitive dust), and PM<sub>2.5</sub> (exhaust and fugitive dust) for which the basin is in federal or state non-attainment status for. The grading and construction activities would include diesel powered equipment such as backhoes, drill rigs, dump trucks, excavators, graders, loaders and scrapers. All equipment used during the Project would have at least Tier 3 compliant engines. Worker commute trips, supply/equipment delivery trips, and disposal trips would also contribute to criteria pollutant air quality impacts. Project grading and construction activities would occur over approximately 30 working days.

Tabulated Project construction phase criteria pollutant estimates are included in Table 3.3-3, and Appendix A provides a copy of the Air Quality Spreadsheets supporting this analysis. None of the criteria pollutant emissions would exceed the significance thresholds; therefore, the impact for the construction phase of the Project would be less than significant.

**Table 3.3-3. Construction Emissions**

EMISSIONS SUMMARY		ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Construction Phase	Pounds/Day	4.04	61.86	75.97	0.17	10.40	3.36
<b>SCAQMD Thresholds</b>	<b>Pounds/Day</b>	75	550	100	150	150	55
<b>Thresholds Exceeded?</b>		<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

During the operational phase of the Project criteria pollutant emissions would be generated by gasoline and diesel powered on-road vehicles during weekly maintenance visits and diesel generators used during the three day yearly solar panel cleaning. These emissions would include criteria pollutants NO<sub>x</sub> and ROG (O<sub>3</sub> precursors), PM<sub>10</sub> (exhaust and fugitive dust), and PM<sub>2.5</sub> (exhaust and fugitive dust) for which the basin is in federal or state non-attainment status for.

Tabulated Project operational phase criteria pollutant estimates are included in Table 3.3-4, and Appendix A provides a copy of the Air Quality Spreadsheets supporting this analysis. None of the criteria pollutant emissions would exceed the significance thresholds; therefore, the impact for the operational phase of the Project would be less than significant.

**Table 3.3-4. Operational Emissions**

EMISSIONS SUMMARY		ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Operational Phase	Pounds/Day	1.29	6.19	9.18	0.02	2.86	0.65
<b>SCAQMD Thresholds</b>	<b>Pounds/Day</b>	75	550	100	150	150	55
<b>Thresholds Exceeded?</b>		<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Lead emissions were not calculated; however, none of the activities in the construction or operational phases of the Project are known to generate lead emissions; therefore, there would be no lead emissions associated with the Project.

*c. Expose sensitive receptors to substantial pollutant concentrations?*

**Less Than Significant Impact.** Sensitive receptors within 1,000 feet of the Project site include single family residences, a public school and public recreation areas. The Project construction phase activity emissions would be near sensitive receptors; however, would be temporary in duration. In addition, the construction and operational phase emissions for the Project are well below the SCAQMD significance thresholds; therefore, the impact for the construction and operational phases of the Project would be less than significant.

*d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?*

**Less Than Significant Impact.** The construction phase of the Project would generate odors from equipment fuel combustion; however, the odors would be temporary in duration. The operational phase of the project would not utilize any heavy equipment and would only use a diesel generator three days a year. Therefore, the impact for the construction and operational phases of the Project would be less than significant.

### **3.3.5 Mitigation Measures**

The Project would have no significant impact to air quality; therefore, no mitigation is required.

### 3.4 BIOLOGICAL RESOURCES

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

#### 3.4.1 Existing Conditions

The Project site is approximately two acres located within the City of Sierra Madre. The Project site is currently vacant and surrounded by residential, industrial, and constructed open space (City of Sierra Madre, 2017). Multiple trees line the Project site including coast live oak (*Quercus agrifolia*), oak (*Quercus* sp.), western sycamore (*Platanus racemosa*), blue gum (*Eucalyptus globulus*), pine (*Pinus* sp.), and ornamentals including Italian cypress, juniper, and palm. Other than the adjacent trees, there is minimal ruderal vegetation within the Project site.

The Project site is not located within an area of critical habitat, and no sensitive-species are known to occur on the Project site (CNDDDB, 2020).

### 3.4.2 Impact Analysis

- 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?*

**Less than Significant Impact.** The Project site is located on a vacant, preciously disturbed, parcel surrounded by residential, industrial, and constructed open space. Due to the developed urban area, the Project would not result in impacts on special-status species. The Project site is currently void of vegetation, but surrounded by trees including coast live oak, oak, western sycamore, blue gum, pine, and ornamentals including Italian cypress, juniper, and palm. There is no tree removal planned onsite; however, trees along the western Project border would need to be trimmed. The trees surrounding the Project site could provide habitat for nesting birds.

If construction activities are scheduled during the nesting bird season (February 1 through August 3), implementation of mitigation measure BIO-1: Nesting Bird Survey, would ensure that potential Project-related impacts on nesting birds would be less than significant.

**BIO-1: Nesting Bird Survey.** In the event construction activities scheduled between February 1 and August 31 (nesting bird season), nesting bird surveys shall be completed by a qualified biologist within 48 hours prior to start of work. If any active nests are discovered within or adjacent to work limits, an appropriate buffer (i.e., 500 feet for raptors and 250 feet for other birds, or at the discretion of a qualified biologist based on biological or ecological reasons) shall be established to protect the nest until a qualified biologist has determined that the nest is no longer active and/or the young have fledged.

- 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?*

**No Impact.** A concrete lined channel is mapped by the United State Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI), approximately 0.20 miles to the east of the Project site (USFWS, 2020). No riparian habitat or sensitive natural communities are located within or adjacent to the Project site; therefore, no impact would occur.

- 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?*

**No Impact.** A freshwater forested/shrub wetland is mapped by the NWI approximately 180 feet north of the Project site (USFWS, 2020). However, no State or Federal wetlands are not located within to the Project site; therefore, no impact would occur.

- 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?*

**No Impact.** The Project site is surrounded by urban development and does not link or connect to any natural lands or water resources. The surrounding trees provide potential foraging

habitat for migrating birds; however, this foraging habitat is minimal in size. No impact would occur.

e. *Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?*

**Less than Significant Impact.** No trees would be removed during the Project; however, trees along the western Project border would need to be trimmed. Therefore, impacts would be less than significant.

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?*

**No Impact.** The Project site is not located within or adjacent to any lands managed by a habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan; therefore, the Project will not conflict with any conservation plans. No impact would occur.

### **3.4.3 Mitigation Measures**

Implementation of the following mitigation measure would reduce the potential for biological resource impacts to less than significant:

BIO-1: Nesting Bird Survey



### 3.5 CULTURAL RESOURCES

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

#### 3.5.1 Existing Conditions

Padre requested an archaeological records search from the South Central Coastal Information Center of the California Historical Resources Information System (SCCIC-CHRIS) at the California State University, Fullerton on September 15, 2020. The records search included a review of all recorded historic-era and prehistoric archaeological sites within an ¼-mile radius of the Project site, as well as a review of known cultural resource surveys and technical reports. Padre received the results on October 1, 2020.

The records search did not identify any previously recorded cultural resources within the Project site or within a ¼-mile radius. The records search also indicated that the Project site has not been previously surveyed for cultural resources; however, five previous studies have been completed within a ¼-mile radius.

#### 3.5.2 Impact Analysis

a. *Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?*

**No Impact.** Currently, there are 53 properties listed on the Sierra Madre’s Designated Historical Landmarks List (City of Sierra Madre, 2019). The closest landmark is the Sierra Madre Pioneer Cemetery (No. 45), which is approximately 636 feet south of the Project site. No historical resources are located within the Project site or adjacent to the Project site; therefore, no impact would occur.

b. *Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?*

**Less than Significant with Mitigation.** Padre Associates, Inc. requested an archaeological records search from the SCCIC-CHRIS at California State University, Fullerton. The records search did not identify any cultural resources within the Project site or ¼-mile radius. The Project site is currently vacant but was previously disturbed in the 1960s for the creation of retention ponds for a reservoir/water treatment plant. Despite the low potential for discovery, inadvertent discovery of archaeological resources during ground-disturbing activities associated with Project construction could cause a potentially significant impact on unknown archaeological resources. Implementation of mitigation measure CUL-1: Treatment of Unknown Cultural

Resources would reduce any potential impacts on archaeological resources to less than significant.

**MM CUL-1: Treatment of Unknown Cultural Resources.** In the event unknown cultural resources are exposed or unearthed during Project construction, all earth disturbing work within the vicinity of the find must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. If the archaeologist determines that the resource is an “historic resource” or “unique archaeological resource” as defined by California Environmental Quality Act Guidelines Section 15064.5 and avoidance is not feasible, further evaluation by the archaeologist shall occur. The archaeologist’s recommendations for further evaluation may include a Phase II testing and evaluation program to assess the significance of the site. Resources found not to be significant will not require mitigation. Impacts to sites found to be significant shall be mitigated through implementation of a Phase III data recovery program. After the find has been mitigated appropriately, work in the area may resume. A local Native American representative shall monitor any mitigation work associated with prehistoric cultural resources.

c. *Disturb any human remains, including those interred outside of formal cemeteries?*

**Less than Significant with Mitigation.** No known burials are located within the Project site or immediate area. In the unlikely event that human remains are unearthed, implementation of mitigation measure CUL-2: Unanticipated Discovery of Human Remains would reduce any potential impacts on archaeological resources to less than significant.

**MM CUL-2: Unanticipated Discovery of Human Remains.** If human remains are encountered, all provisions provided in California Health and Safety Code section 7050.5 and California Public Resources Code section 5097.98 shall be followed. Work shall stop within 100 feet of the discovery, and both an archaeologist, REC Solar, and City staff must be contacted within 24 hours. The archaeologist shall consult with the County Coroner. If human remains are of Native American origin, the County Coroner shall notify the Native American Heritage Commission (NAHC) within 24 hours of this determination, and a Most Likely Descendent shall be identified. No work is to proceed in the discovery area until consultation is complete and procedures to avoid or recover the remains have been implemented.

### **3.5.3 Mitigation Measures**

Implementation of the following mitigation measure would reduce the potential for cultural resource impacts to less than significant:

CUL-1: Treatment of Unknown Cultural Resources

CUL-2: Unanticipated Discovery of Human Remains

### 3.6 ENERGY

ENERGY - Would the Project:	Potentially Significant Impact	Less Than Significant with Mitigation	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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### 3.6.1 Existing Conditions

The City of Sierra Madre joined the Clean Power Alliance in February 2019. Clean Power Alliance is a new, locally controlled electricity provider which purchases clean power and Southern California Edison (SCE) delivers the power to the City.

#### 3.6.2 Impact Analysis

- a. *Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?*

**Less than Significant Impact.** The Project involves use of heavy construction equipment powered by petroleum-based fuel sources. As such, construction activities would result in the consumption of non-renewable fossil fuels (e.g., gas and diesel) for the operation of construction vehicles and equipment. These activities would be temporary in nature.

Energy from the SCE power grid would be used during operation for maintenance activities but would not require the need for development of new sources of energy. A less than significant impact would result.

- b. *Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?*

**No Impact.** The Project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency; therefore, no impact would result.

#### 3.6.3 Mitigation Measures

The Project would not result in significant impacts on energy; therefore, no mitigation is required.

### 3.7 GEOLOGY AND SOILS

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

#### 3.7.1 Existing Conditions

The City of Sierra Madre is located in a geologically complex area that has a very active history of seismic activity due to the large number of faults in the region. There are several active and potentially active faults located in the vicinity of the City. The nearest fault is the Sierra Madre Fault Zone which passes through the northern part of the City in a west-northwesterly direction. This fault zone consists of several subparallel branches found at the base of the mountains and within the one-quarter mile of slope above the mountain base. The Clamshell-Sawpit Fault, an off-shoot of the Sierra Madre Fault Zone, located approximately 1.5 miles east of Sierra Madre, and which generated the 1991 Sierra Madre earthquake, is a branch of the Sierra Madre Fault

Zone. Another active fault in proximity to the City is the Raymond Fault located approximately 1.5 miles to the south (City of Sierra Madre, 2015a). The Raymond Fault is designated by the California Geologic Survey as an Alquist-Priolo Special Study Fault Zone. Other notable faults in the region include the San Andreas, Newport- Inglewood, Palos Verdes, Whittier, and Malibu Coast faults, all of which are considered to be active. An earthquake along any of these faults would represent a hazard in the region related to strong seismic ground shaking, along with extensive property damage. As required by State law, all structures would be designed to meet the 2016 California Building Code (CBC) and the American Society of Civil Engineers (ASCE) Standard 7-10 (Minimum Design Loads for Buildings and Other Structures). Final Project plans would be stamped by a Professional Engineer licensed to practice in the State of California and reviewed by the Sierra Madre Public Works Department.

### 3.7.2 Impact Analysis

- 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?*

**Less than Significant Impact.** According to the Sierra Madre General Plan Update Environmental Impact Report (EIR), liquefaction and landslides are not anticipated to occur within the project area. Additionally, the Project would not be manned by on-site employees. Therefore, the exposure of people or structures to potential substantial adverse effects due to rupture of an earthquake fault, strong seismic ground shaking, liquefaction, and landslides would be less than significant.

- b. *Result in substantial soil erosion or the loss of topsoil?*

**Less than Significant Impact.** Grading would be conducted as to minimize the risks of erosion during construction or during Project operation through the implementation of storm water Best Management Practices (BMPs). With implementation of the soil and erosion-control BMPs, the Project would not result in substantial soil erosion or the loss of topsoil and the impact would be less than significant. The Project would implement a Storm Water Pollution Prevention Plan (SWPPP), as required under the general National Pollutant Discharge Elimination System (NPDES) Permit for Storm Water Discharges Associated with Construction Activities, including use of BMPs, to minimize soil erosion from wind or storm water, as described Section 3.10 Hydrology and Water Quality.

- 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?*

**Less than Significant Impact.** The proposed Project site would be backfilled, compacted and graded prior to construction of the proposed solar project. Therefore, the risk to the Project from unstable soils is less than significant. The Project site is not located in an area susceptible to landsliding, 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 risk to life or property?*

**No Impact.** Per the Sierra Madre Natural Hazard Mitigation Plan, expansive soils are not a threat to the City. The Project would not be located on expansive soil, and there would be no impact.

- 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 waste water?*

**No Impact.** The Project does not involve the use of septic tanks or alternative wastewater disposal systems; therefore, there would be no impact.

- f. *Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?*

**Less than Significant Impact.** The Project site would be constructed on an area previously excavated for construction of storm water retention basins. The basins would be backfilled with imported soil. Therefore, impacts to potential paleontological resources is anticipated to be less than significant.

### **3.7.3 Mitigation Measures**

The Project would have no significant impact to geology and soils; therefore, no mitigation is required

### 3.8 GREENHOUSE GAS EMISSIONS

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

#### 3.8.1 Existing Conditions

Greenhouse Gases (GHGs), defined as any gas that absorbs infrared radiation in the atmosphere, include, but are not limited to, water vapor, carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), and fluorocarbons. These GHGs trap and build up heat in the atmosphere near the earth’s surface, commonly known as the Greenhouse Effect. The atmosphere and the oceans are reaching their capacity to absorb CO<sub>2</sub> and other GHGs, leading to significant global climate change in the future. Unlike criteria pollutants and TACs, which are pollutants of regional and local concern, GHGs and climate change are a local, regional, and global issue. There is widespread international scientific consensus that human-caused increases in GHGs have and will continue to contribute to climate change, although there is uncertainty concerning the magnitude and rate of the warming.

Climate change is having and will continue to have widespread impacts on California’s environment, water supply, energy consumption, public health and economy. Many impacts already occur, including increased fires, floods, severe storms, and heat waves (California Governor’s Office of Planning and Research [CGOPR], 2018). Documented effects of climate change in California include increased average, maximum, and minimum temperatures; decreased spring runoff to the Sacramento River; shrinking glaciers in the Sierra Nevada; sea-level rise at the Golden Gate Bridge; warmer temperatures in Lake Tahoe, Mono Lake, and other major lakes; and plant and animal species found at changed elevations (CGOPR, 2018).

According to the Intergovernmental Panel on Climate Change (IPCC), the concentration of CO<sub>2</sub>, the primary GHG, has increased from approximately 280 parts per million (ppm) in pre-industrial times to well over 380 ppm today. CO<sub>2</sub> concentrations are currently increasing about 1.9 ppm/year; present CO<sub>2</sub> concentrations are higher than any time in at least the last 650,000 years. CO<sub>2</sub> is also used as a reference gas for climate change. To account for different GHG warming potentials, emissions are often quantified and reported as CO<sub>2</sub> equivalents (CO<sub>2</sub>e). For example, if the CO<sub>2</sub> warming potential is set at a reference value of 1, CH<sub>4</sub> has a warming potential of 25 (i.e., 1 ton of methane has the same warming potential as 25 tons of CO<sub>2</sub> [IPCC, 2014]), while nitrous oxide has a warming potential of 298.

To meet both the statewide 2020 GHG reduction target that requires California to reduce its total statewide GHG emissions to 1990 levels (Health & Safety Code, § 38550), and the 2050 goal of 80 percent below 1990 levels (Executive Order S-3-05), not only must projects contribute to slowing the increase in GHG emissions, but, ultimately, projects should contribute to reducing

the State's GHG output. In order to reach California's GHG reduction targets, per capita emissions would need to be reduced by slightly less than five percent each year from 2020 to 2030, with continued reductions through 2050.

### 3.8.2 Regulatory Setting

Various entities address this issue area at the state and regional levels. For example, California's 2017 Climate Change Scoping Plan (CARB, 2017) establishes GHG reduction strategies and goals for California's future, focusing on large contributors to state GHG emissions (e.g., power generation and transportation).

AB 32 establishes regulatory, reporting, and market mechanisms to achieve quantifiable reductions in GHG emissions and establishes a statewide GHG emissions cap. It requires that statewide GHG emissions be reduced to 1990 levels by 2020. In 2008 and 2014, CARB approved the Scoping Plan and the first update to the Scoping Plan, respectively. In 2016, the California Legislature passed Senate Bill (SB) 32, which established a 2030 GHG emissions reduction target of 40 percent below 1990 levels. In response to SB 32 and the companion legislation of AB 197, CARB approved the 2017 Scoping Plan Update: The Strategy for Achieving California's 2030 GHG Target in November 2017. The 2017 Scoping Plan draws from the previous plans to present strategies to reaching California's 2030 GHG reduction target.

In December 2008 the SCAQMD Governing Board adopted a GHG emissions threshold of 10,000 metric tons per year of CO<sub>2</sub> equivalent (MTCO<sub>2</sub>eq/yr) for industrial facilities (SCAQMD, 2008).

### 3.8.3 Impact Analysis

- 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?*

**Less than Significant Impact.** Padre conducted emissions modeling to estimate the GHG emissions for the construction and operational phases of the Project. The emissions were estimated using the most recent emission factors and load factors obtained from the California Emissions Estimator Model® (CalEEMod) User's Guide, Emission Factors (EMFAC) model and EPA Emission Factors for Greenhouse Gases. Detailed source information is provided in Appendix A.

Construction and operational GHG equipment emissions were estimated using the engine horsepower, engine emission factors, engine load factors and hours of engine use per day. On-road vehicle emissions were estimated using the vehicle type (i.e. passenger gasoline-powered vehicle, heavy-duty diesel-powered vehicle), engine emission factors and length of daily round trips.

The Project GHG emissions estimate for the construction phase were estimated to be 100 MTCO<sub>2</sub>eq/yr and the operational phase GHG emissions were estimated to be 5.7 MTCO<sub>2</sub>eq/yr, which are well below the SCAQMD threshold of 10,000 MT/yr CO<sub>2</sub>eq (refer to Tables 3.8-1 and 3.8-2 below).



**Table 3.8-1. Estimated GHG Construction Phase Project Emissions**

Source	N <sub>2</sub> O (MT/Year)	CH <sub>4</sub> (MT/Year)	CO <sub>2</sub> (MT/Year)	MTCO <sub>2</sub> e (MT/Year)
Construction	0.005	0.022	108.15	100.0
<b>Threshold</b>				<b>10,000</b>
<b>Threshold Exceeded?</b>				<b>No</b>

**Table 3.8-2. Estimated GHG Operational Phase Project Emissions**

Source	N <sub>2</sub> O (MT/Year)	CH <sub>4</sub> (MT/Year)	CO <sub>2</sub> (MT/Year)	MTCO <sub>2</sub> e (MT/Year)
Operations	0.001	0.0002	6.0	5.7
<b>Threshold</b>				<b>10,000</b>
<b>Threshold Exceeded?</b>				<b>No</b>

Based on the GHG emissions estimates discussed above, the Project would not result in a significant impact regarding GHG emissions.

### **3.8.4 Mitigation Measures**

The Project would have no significant impact to greenhouse gas emissions; therefore, no mitigation is required.

### 3.9 HAZARDS AND HAZARDOUS MATERIALS

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

#### 3.9.1 Existing Conditions

The following discussion is based on the Phase I Environmental Site Assessment (ESA) (Appendix B) prepared for the Project site to determine the potential for hazardous materials contamination on the property (Padre, 2020). The ESA included a review of readily available geologic and hydrogeologic literature; historical research including a review of available historical aerial photographs, Sanborn Fire Insurance Maps, historical city directories, and historical topographic maps relating the to the Project site; a site reconnaissance of the Project site and surrounding areas/properties; interviews/site questionnaires with knowledgeable persons of the Project site; public agency records review; and an environmental database search. The results of the Phase I ESA are included in the discussion below (Padre, 2020).

Currently the Project site is developed with two, dry water spreading basins (used by the City of Sierra Madre to recharge the local groundwater aquifer), one of which is partially backfilled. The Project site is bounded to the north and east by dry water spreading basins, to the south by a baseball field, and a developed residential neighborhood to the west.

### 3.9.2 Impact Analysis

- a. *Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?*

**Less than Significant Impact.** Construction of the Project would involve the use of hazardous materials such as fuels, oils, and other chemicals. The transport, use, storage, and disposal of hazardous materials would be carried out in accordance with Federal and State regulations. These requirements would ensure proper handling of hazardous materials and limit the chance of release of environmental materials into the environment. Impacts would be less than significant.

- b. *Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?*

**Less than Significant Impact.** As discussed previously, construction of the Project would involve limited use of hazardous materials such as fuels, oils, and other chemicals. With the implementation of construction BMPs, it is unlikely that hazardous materials would be accidentally released into the environment. In the event of an accidental spill or leak, implementation of construction BMPs would ensure quick response and help prevent the potential spread of hazardous materials into the environment. Impacts would be less than significant.

- c. *Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?*

**Less than Significant Impact.** The proposed Project would not result in hazardous emissions or handle hazardous or acutely hazardous materials substances or wastes. Therefore, impacts would be less than significant.

- d. *Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?*

**Less than Significant Impact.** The potential for the Project to encounter contaminated soil and groundwater was evaluated during the preparation of a Phase I Environmental Site Assessment (ESA) for the proposed Project prepared by Padre Associates, Inc. (Padre, 2020). The Phase I ESA report included searches of the State Water Resources Control Board (SWRCB) GeoTracker and the California Environmental Protection Agency (Cal EPA) Department of Toxic Substances Control (DTSC) EnviroStor databases. These databases were reviewed to identify known environmental cases listed within a 0.25-mile radius of each Project site. The City of Sierra Madre (parent property to Project site) was identified on three environmental databases. Three Underground Storage Tanks (USTs) were removed from the adjacent property in 1998 and subsequent soil assessment completed in 2017. Based on the results of the soil assessment, the SWRCB closed the Leaking Underground Storage Tank (LUST) case. Additionally, the City of Sierra Madre historically operated a green material, inert, and mixed municipal transfer facility at the adjacent property. These environmental listings are not expected to pose an environmental concern to the Project site due to the closed status and distance from all three listings (located closer to Sierra Madre Boulevard), and impacts would be less than significant.

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?*

**No Impact.** The Project is not located within an airport land use plan or within two miles of a public airport or public use airport; therefore, there would be no impact.

f. *Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*

**No Impact.** No lane or road closures are proposed as a part of Project construction and the Project would not interfere with any emergency response plan or emergency evacuation plan. Therefore, there would be no impact.

g. *Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?*

**Less than Significant Impact.** According to the California Department of Forestry and Fire Protection's (CAL FIRE) Fire Hazard Severity Zones in Local Responsibility Area (LRA), the Project site is within a non-very high fire severity zone. Construction of the Project would involve the use of fuels for construction equipment. However, the Project would follow all Federal and State regulations governing hazardous materials, and there would be little risk of the Project igniting a fire. Therefore, impacts would be less than significant.

### **3.9.3 Mitigation Measures**

The Project would have no significant impact to hazards and hazardous materials; therefore, no mitigation is required.

### 3.10 HYDROLOGY AND WATER QUALITY

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

#### 3.10.1 Existing Conditions

The Project site is approximately two acres located within the City of Sierra Madre. The Project site is currently vacant and surrounded by residential, industrial, and constructed open space. The Project site is located approximately 0.2 miles from a concrete lined channel and is within the Sierra Madre Dam Inundation Area (City of Sierra Madre, 2017).

#### 3.10.2 Impact Analysis

a. *Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?*

**Less than Significant Impact.** The Project involves grading of a two-acre Project site, installation of pole foundations to support PV panels, and trenching for installation of underground wiring. The Project site is located approximately 0.2 miles from a concrete lined channel.

Although the concrete lined channel is separated from the Project site by residences and a roadway, ground-disturbing activities could dislodge soils or other particles that could discharge into the channel. Fuels, oils, and lubricants used by construction equipment could degrade water quality if discharged into a waterway. Implementation of construction-related BMPs, including monitoring reporting procedures, stormwater runoff quality control measures, and a sediment monitoring plan, would reduce the potential for impacts related to erosion and surface water quality. All hazardous materials, including fuels, oils, and lubricants, would be managed in accordance to Federal and State regulations. Implementation of BMPs and compliance with Federal and State regulations would minimize potential impacts related to water quality standards, and impacts would be less than significant.

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

**Less than Significant Impact.** The proposed Project would be located on former storm water detention basins that are no longer utilized by the City. Other detention basins adjacent to the Project site and located in other locations in the vicinity would continue to be used for groundwater aquifer recharge during periods of surface water runoff. Therefore, impacts to groundwater recharge activities were determined to be less than significant.

*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 a substantial erosion or siltation of on- or off-site?*

*ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?*

*iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources or polluted runoff?*

*iv. Impede or redirect flood flows?*

**Less than Significant Impact.** Project construction would include ground disturbance of installation of the solar array. Grading would be minimal as the Project site would be unpaved, resulting in little change in the existing drainage patterns of the Project site. After site grading, the soil would be compacted prior to PV installation to further reduce the potential for erosion. BMPs would be implemented to manage erosion and stormwater on the Project site and impacts would be less than significant.

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

**Less than Significant Impact.** The Project is not within a 100-year flood zone and is located in an area of low to moderate flooding potential. However, the Project site is within the Sierra Madre Dam Inundation Area. The Project does not involve any structures occupied by people. Therefore, the Project would result in less than significant impact related to the exposure of people or structures to risks involving inundation.

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

**Less than Significant Impact.** The proposed Project would not conflict with any water quality control plan or sustainable groundwater management plan. Therefore, no significant impact would occur.

### **3.10.3 Mitigation Measures**

The Project would have no significant impact to hydrology and water quality; therefore, no mitigation is required.

### 3.11 LAND USE AND PLANNING

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

#### 3.11.1 Existing Conditions

The Project site is approximately two acres located within the City of Sierra Madre. The Project site is currently vacant. The Project site is zoned Civic and City Park and has a land use designation of Municipal. The Project site is surrounded by residential, industrial, and constructed open space (City of Sierra Madre, 2017).

#### 3.11.2 Impact Analysis

##### a. Physically divide an established community?

**No Impact.** The Project does not have a linear component that could physically divide a community. The Project is located on vacant land surrounded by residential land use. Therefore, no impact would occur.

##### 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?

**No Impact.** The Project site is on land designated Municipal by the Sierra Madre General Plan and on land zoned Civic and City Park. The Project would not conflict with the current uses at the Project site and would allow existing surrounding uses to continue as is. The Project would not conflict with the land use designations or zoning established by the City of Sierra Madre. Therefore, no impact would occur.

#### 3.11.3 Mitigation Measures

The Project would have no impact to land use and planning; therefore, no mitigation is required.



### 3.12 MINERAL RESOURCES

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

#### 3.12.1 Existing Conditions

According to the Geologic Energy Management Division (CalGEM), the Project site is not located within an active oil and gas development area (CalGEM, 2020).

#### 3.12.2 Impact Analysis

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?*

**No Impact.** The City of Sierra Madre does not contain any non-fuel mineral resources of statewide importance (City of Sierra Madre, 2015). Therefore, no impact would occur.

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?*

**No Impact.** The City of Sierra Madre does not contain any non-fuel mineral resources of local importance (City of Sierra Madre, 2015). Therefore, no impact would occur.

#### 3.12.3 Mitigation Measures

The Project would have no impact to mineral resources; therefore, no mitigation is required.

### 3.13 NOISE

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

#### 3.13.1 Existing Conditions

The Project site is approximately two acres located within the City of Sierra Madre. The Project site is currently vacant. The Project site is zoned Civic and City Park and has a land use designation of Municipal. The Project site is surrounded by residential, industrial, and constructed open space (City of Sierra Madre, 2017). The closest residence is approximately 50 feet to the west of the Project site.

##### 3.13.1.1 General Characteristics of Noise

Noise is generally defined as unwanted or objectionable sound. Measurement of sound involves determining three variables: 1) magnitude, 2) frequency, and 3) duration. Human ears respond to a very wide range of sound pressures producing numbers of awkward size when sound pressures are related on an arithmetic (1, 2, 3...) scale. It is customary to express sound pressure level in decibels (dB), which are logarithmic (1, 10, 100...) ratios comparing sound pressures to a reference pressure. The reference pressure commonly used in noise measurement is 20 microPascals ( $\mu\text{Pa}$  or rms), which is considered to be the quietest sound a normal young adult human ear can hear in the frequency range that the ear is most sensitive to. This sound level is assigned the value 0 dB. Higher intensity sound is perceived as louder. Sound intensity is commonly measured on a weighted scale [dBA or db(A)] to correct for the relative frequency response of the human ear. The "A-weighted" noise level de-emphasizes low and very high frequencies of sound in a manner similar to the human ear's de-emphasis of these frequencies (OSHA, 2013; AIHA, 2003).

Except under special conditions, a change in sound level of 1 dB cannot be perceived. Outside of the laboratory, a 3 dB change is considered a just-noticeable difference, and a change in level of at least 5 dB is required before any noticeable change in community response would

be expected. Some typical sound pressure levels for common sounds are provided in Table 4.13-1.

**Table 4.13-1. Common Sound Levels/Sources and Subjective Human Responses**

Sound Level (dBA)	Typical Outdoor Noise Source	Typical Indoor Noise Sources	Typical Human Response/Effects
140	Carrier Jet takeoff (50 feet)	--	--Threshold for Pain--
130	Siren (100 feet) Live Rock Band	--	---Hearing Damage---
120	Jet takeoff (200 feet) Auto horn (3 feet)	--	--
110	Chain Saw Snow Mobile	--	---Deafening---
100	Lawn Mower (3 feet) Motorcycle (50 feet)	--	--
90	Heavy Duty Truck (50 feet)	Food Blender (3 feet)	---Very Loud---
80	Busy Urban Street, Daytime	Garbage Disposal (3 feet)	
70	Automobile (50 feet)	Vacuum Cleaner (9 feet)	---Loud---
60	Small plane at ¾ mi	Conversation (3 feet)	
50	Quiet Residential Daytime	Dishwasher Rinse (10 feet)	---Moderate---
40	Quiet Residential Nighttime	Quiet Home Indoors	---Quiet---
30	Slight Rustling of Leaves	Soft Whisper (15 feet)	---Very Quiet---
20	--	Broadcasting Studio	
10	--	Breathing	--Barely Audible--
0	--	--	--Threshold of Hearing--

Source: AIHA 2003, and OSHA 2013

When considering how noise could affect nearby sensitive receptors (residential dwellings, transient lodging, hospitals and other long-term care facilities, public or private educational facilities, libraries, churches, and places of public assembly), it is important to understand how sound level diminishes as distance from the source increases. For a “point” source (such as construction within a fixed area) of sound in free space, the rate at which the sound attenuates is inversely proportional to the square of the distance from the source. This means the sound level would drop 6 dB each time the distance from the source is doubled. Decibels, measuring sound energy, combine logarithmically. A doubling of sound energy (for instance, from two identical automobiles passing simultaneously) creates a 3 dB increase (i.e., the resultant sound level is the sound level from a single passing automobile plus 3 dB). When the difference between two sound levels is greater than about 10 dB, the lesser sound is negligible in terms of affecting the total level (OSHA, 2013).

The duration of noise and the time period at which it occurs are important factors in determining the human response to sound. For example, noise induced hearing loss is directly related to the magnitude, frequency, and duration of exposure. Annoyance due to noise is also

associated with how often noise is present and how long it persists. One approach to quantifying time-varying noise levels is to calculate the Energy Equivalent Sound Level ( $L_{eq}$ ) for the time period of interest. The  $L_{eq}$  represents a sound level which, if continuous, would contain the same total acoustical energy as the actual time-varying noise which occurs during the observation period (OSHA, 2013).

In a residential or other noise sensitive environment, noise is more disturbing at night than during the day. Thus, noise indices have been developed to account for the differences in intrusiveness between daytime and nighttime noise. The Community Noise Level Equivalent (CNEL) and the Day-Night Average Sound Level ( $L_{dn}$ ) are such indices. CNEL and  $L_{dn}$  values result from the averaging of hourly  $L_{eq}$  values for a 24-hour period, with a weighting factor applied to the nighttime  $L_{eq}$  values (and the evening values for CNEL). The CNEL penalizes noise levels during the night (10:00 p.m. to 7:00 a.m.) by 10 dB to account for the increased sensitivity of people to noise after dark. Evening noise levels (7:00 p.m. to 10:00 p.m.) are penalized 5 dB by the CNEL. The  $L_{dn}$  also penalizes nighttime noise levels by 10 dB, but does not penalize evening levels. These two indices are generally equivalent. In general, the CNEL may be thought qualitatively as an accumulation of noise associated with individual events occurring throughout a 24-hour period. The noise of each individual event is accounted for in a separate, discrete measurement that integrates the changing sound level over time as, for example, when an aircraft approaches, flies overhead, then continues off into the distance. These integrated sound levels for individual operations are referred to as SELs. The accumulation of the SELs from each individual operation during a 24-hour period determines the CNEL for the day.

#### 3.13.1.2 Ground-borne Vibration

In contrast to airborne noise, ground-borne vibration is not a common environmental problem. Vibration from sources such as buses and trucks is not usually perceptible, even in locations close to major roads. Some common sources of ground-borne vibration are trains, buses on rough roads, and construction activities such as blasting, pile-driving and operating heavy earth-moving equipment.

Ground-borne vibration can cause detectable building floor movement, window rattling, items shaking on shelves or walls, and rumbling sounds. In extreme cases, the vibration can cause damage to buildings. Building damage is not a factor for most projects, with the occasional exception of blasting and pile-driving during construction. Human annoyance from vibration can often occur and can happen when the vibration exceeds the threshold of perception by only a small margin. A vibration level that causes annoyance would be well below the damage threshold for normal buildings.

Vibration is an oscillatory motion which can be described in terms of displacement, velocity or acceleration. Displacement is the easiest descriptor to understand. For a vibrating floor, the displacement is simply the distance that a point on the floor moves away from its static position. The velocity represents the instantaneous speed of the floor movement and acceleration is the rate of change of the speed. The peak particle velocity (PPV) is defined as the maximum instantaneous positive or negative peak of the vibration signal. PPV is often used in monitoring of blasting vibration since it is related to the stresses that buildings undergo.

### 3.13.2 Impact Analysis

- 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?*

**Less than Significant with Mitigation.** The City of Sierra Madre General Plan includes goals, objectives, and policies to evaluate existing and future noise conditions and minimize the impacts of noise on the City (City of Sierra Madre, 2015a). Section 9.32 of the City's municipal code includes the City's noise standard to regulate noise sources within the City. Noise levels associated with construction are limited to 7:00 a.m. to 7:00 p.m. daily, except Sundays and holidays when the exemption shall apply between 10:00 a.m. and 6:00 p.m. Construction activities are allowed if the noise level at any point outside the property line does not exceed 85 dBA.

The majority of Project-related noise would be generated during construction. Implementation of mitigation measure N-1: Construction Noise would ensure that construction-related activities would be conducted in compliance with the City's applicable noise plans and policies and would reduce project impact to less than significant.

**N-1: Construction Noise.** Construction activities shall be conducted during the hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday. Construction activities shall be prohibited on Sunday and Holidays.

Operation and maintenance of the Project would generate minimal noise. Onsite equipment would not be noise-generating. The Project site is located adjacent to residences, with the closest residence located approximately 50 feet to the west of the Project site. Sierra Madre Nursery School is located approximately 0.25 miles southwest from the Project site. Operational noise is not expected to affect the adjacent sensitive noise receptors; therefore, the impact is less than significant.

- b. *Generation of excessive groundborne vibration or groundborne noise levels?*

**Less than Significant with Mitigation.** While the Project would require the temporary use of heavy equipment, none of it is considered impact equipment (such as pile drivers), as defined by the Federal Highway Administration (USDOT 2006). The 2013 Caltrans Transportation and Construction Vibration Guidance Manual (CTCVGM), Table 19, indicates older residential structures (typical of the residences near the Project area) could be damaged by continuous or frequent intermittent vibration (typical of construction equipment) that exceeds a PPV of 0.3 in/sec. Table 20 of the CTCVGM indicates that humans can distinctly perceive and become annoyed by a continuous or frequent intermittent vibration (typical of construction equipment) exceeding a PPV of 0.04 in/sec (Caltrans, 2013).

Implementation of mitigation measure N-1: Construction Noise would ensure that construction-related activities, including groundborne vibration, would be conducted in compliance with the City's applicable noise plans and policies and would reduce project impact to less than significant.

Operation and maintenance of the Project would not result in groundborne vibration or noise; therefore, no impact would occur.

- 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?*

**No Impact.** The Project is not located within the vicinity of a private airstrip or airport. The nearest airport is the Mt. Wilson Airport located approximately 4.0 miles to the northwest. Therefore, no impact would occur

### **3.13.3 Mitigation Measures**

Implementation of the following mitigation measure would reduce potential Project-related impacts regarding noise to less than significant:

- N-1: Construction Noise

### 3.14 POPULATION AND HOUSING

POPULATION AND HOUSING - Would the Project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) 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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### 3.14.1 Existing Conditions

The City of Sierra Madre has not experienced substantial population growth for several decades as it is a largely “built-out” community. The City’s population peaked about 1970 when the Census recorded 12,140 residents, after which time limited housing development, combined with an aging population and smaller household sizes, caused the population to gradually decline. Sierra Madre’s 2013 population was estimated at 11,023 residents (City of Sierra Madre, 2014).

#### 3.14.2 Impact Analysis

a. *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)?*

**Less than Significant Impact.** The Project is intended to provide an alternative source of power to the City of Sierra Madre. The Project does not include new housing or businesses, and construction and operation of the Project would not indirectly induce growth by establishing substantial permanent employment opportunities that could stimulate population growth. Project construction is not expected to involve employment opportunities substantially beyond what would normally be available to construction worker in the area, and local workers would be utilized to the greatest extent practicable.

During operation, no full-time employees would be stationed on-site. Existing workers would make periodic visits to the Project site to check operations, perform maintenance on existing equipment, and wash the PV panels. Therefore, the Project would not induce substantial population growth, either directly or indirectly, and the impact would be less than significant.

b. *Displace substantial numbers of people or housing, necessitating the construction of replacement housing elsewhere?*

**No Impact.** The Project would not displace any existing housing or create demand for additional housing. Therefore, no replacement housing would be required to be construction. No impact would occur.

### **3.14.3 Mitigation Measures**

The Project would not result in significant impacts on population and housing; therefore, no mitigation is required.



### 3.15 PUBLIC SERVICES

PUBLIC SERVICES	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, 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:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### 3.15.1 Existing Conditions

Project site service providers are listed below in Table 3.15-1.

**Table 3.15-1. Summary of Public Service Providers**

Service	Providers
Fire Protection	Sierra Madre Fire Department
Police Protection	Sierra Madre Police Department
Schools	Pasadena Unified School District
Parks	City of Sierra Madre Recreation

Source: [www.tuolumnecounty.ca.gov](http://www.tuolumnecounty.ca.gov)

##### 3.15.1.1 Fire Protection

The Sierra Madre Fire Department serves a primarily residential area of 3.2 square miles with a wildland/urban interface to more than 11,000 residents. The Sierra Madre Fire Department is staffed by a Fire Chief, a volunteer Deputy Chief, one part-time and three full-time Suppression Captains, six part-time Engineers, 14 volunteer Firefighters, 18 part-time Paramedics, and one part-time Administrative Assistant (City of Sierra Madre, 2020).

##### 3.15.1.2 Police Protection

The Sierra Madre Police Department has 20 full-time members including the Chief of Police, a Police Captain, four Sergeants, two Corporals, nine Officers (including detective and traffic), Services Division Supervisor, and our Dispatchers. The Department also has several part-time employees and volunteers who contribute to maintaining a safe community (City of Sierra Madre, 2020).

##### 3.15.1.3 Schools

The Pasadena Unified School District (PUSD) provides education to more than 16,700 students in Transitional Kindergarten through 12th grade in a 76-square mile area that includes

Altadena, Pasadena, Sierra Madre and unincorporated areas of Los Angeles County (PUSD, 2020).

#### 3.15.1.4 Parks

Impacts to parks are discussed in Section 3.16, Recreation.

### 3.15.2 Impact Analysis

a. *Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, 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?*

- Fire protection?
- Police protection?
- Schools?
- Parks?
- Other public facilities?

Impacts to wildfire are discussed in Section, 3.20, Wildfire

**No Impact.** The Project includes the construction, operation, and maintenance of a photovoltaic solar array. Implementation of the Project would not increase population in the Project area or otherwise increase the demand for public services. Therefore, there would be no impact on public services.

### 3.15.3 Mitigation Measures

The Project would not result in significant impacts on public services; therefore, no mitigation is required.

### 3.16 RECREATION

RECREATION	Potentially Significant Impact	Less Than Significant with Mitigation	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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### 3.16.1 Existing Conditions

The City of Sierra Madre includes four city parks including Memorial Park, Sierra Vista Park, Bailey Canyon wilderness Park, and Mt. Wilson Trail Park. In addition, the City manages the Sierra Madre Aquatic Center, Community Recreation Center, and the Hark Park House. The Project site is just north of Sierra Vista Park, Sierra Madre Aquatic Center, and Community Recreation Center.

#### 3.16.2 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?*

**Less than Significant Impact.** The Project is not expected to generate population growth resulting in an increased use of any existing City parks or recreational facilities. The Sierra Madre Aquatic Center and Community Recreation Center includes two baseball diamonds, a tennis court, a basketball court, a swimming pool, a local park, and parking areas. These facilities are located adjacent to the Project site. Temporary increases in emissions of air pollutants, noise, and traffic levels during construction could temporarily affect the recreational activities occurring at the Sierra Madre Aquatic Center and Community Recreation Center. These temporary and short-term impacts could result in a minor increase in the use of alternative nearby facilities. The increase in use of other City facilities is anticipated to be minor and short term and would not result in a substantial physical deterioration of the alternative facilities. Therefore, there would be a less than significant impact on recreational facilities.

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?*

**No Impact.** The Project does not include construction of new or expansion of existing recreational facilities; therefore, no impact would occur.

#### 3.16.3 Mitigation Measures

The Project would not result in significant impacts on recreational facilities; therefore, no mitigation is required.

### 3.17 TRANSPORTATION

TRANSPORTATION - Would the Project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### 3.17.1 Existing Conditions

There are no regional transportation facilities located within the City boundaries of Sierra Madre. The City is served by Interstate 210 Foothill Freeway located approximately one-half mile south of the City. This is controlled by the State of California Department of Transportation. The Los Angeles County Metropolitan Transportation Authority (Metro) maintains two bus lines in town as well as nearby light rail service (the Sierra Madre Villa Gold Line Station is approximately two miles from the center of town and the Arcadia Gold Line Station, once it is completed in 2015, will be approximately 2.6 miles from downtown Sierra Madre.). Major streets which are operated by the City include Michillinda Avenue, Santa Anita Avenue, Grandview Avenue, Sierra Madre Boulevard, and Orange Grove Avenue (City of Sierra Madre, 2015a).

The Project site is located off Sierra Madre Boulevard, which is classified as a four-lane collector street in the City of Sierra Madre General Plan. There are currently no defined bicycle facilities within the City. There are currently two forms of transit in operation within the City: fixed-route transit and paratransit (City of Sierra Madre, 2015a).

#### 3.17.2 Impact Analysis

- a. *Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?*

**Less than Significant Impact.** The Project would generate a nominal amount of traffic along Sierra Madre Boulevard and other area roadways during construction activities. An estimated maximum of 12 truck deliveries per week would be required during construction to supply equipment, materials, and components. In addition to construction vehicles, approximately 12 construction workers would commute to the Project site in personal vehicles. Construction workers would typically arrive before 8:00 a.m. and leave after 5:00 p.m. The amount of construction generated trips would contribute a very small increase temporarily to the existing traffic and would not substantially increase the volume of traffic on neighboring roads and freeways.

Operation and maintenance of the Project would include infrequent use of light-duty trucks. The Project would not require daily personnel.

The Project would not conflict with a program, plan, ordinance or policy addressing the City's circulation system. Therefore, the impact would be less than significant.

*b. Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?*

**Less than Significant Impact.** CEQA Guidelines section 15064.3(b) indicates that vehicle miles traveled is the most appropriate measure for transportation impacts. In December 2018, the Office of Planning and Research provided an updated Technical Advisory to evaluate transportation impacts in CEQA. In particular, the advisory suggests that a project generating or attracting fewer than 110 one-way trips per day generally may be assumed to cause a less-than-significant transportation impact (OPR, 2018). During Project construction, no more than 12 personnel would be traveling daily to the Project area from nearby hotels or rental properties at any given time. The peak trips that would occur in any one day is 24, significantly below the number identified in the Technical Advisory's guidance. Therefore, the impact would be less than significant.

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

**No Impact.** The Project would not alter the physical configuration of the existing roadway network in the area and does not include design features that would increase hazards. Therefore, no impact would occur.

*d. Result in inadequate emergency access?*

**Less than Significant Impact.** The Project would include a minor increase in traffic associated with construction activities, which would be short-term and temporary. No public roads would require closure during construction. Slow-moving construction vehicles and equipment entering and exiting the Project site could potentially delay emergency vehicles; however, because the existing access roads all accommodate two lanes of traffic, it is unlikely that emergency vehicles would be obstructed. Therefore, the impact would be less than significant.

### **3.17.3 Mitigation Measures**

The Project would not result in significant impacts to transportation and traffic; therefore, no mitigation is required.

### 3.18 TRIBAL CULTURAL RESOURCES

TRIBAL CULTURAL RESOURCES	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code § 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:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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), or  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 § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### 3.18.1 Existing Conditions

Padre requested an archaeological records search from the South Central Coastal Information Center of the California Historical Resources Information System (SCCIC-CHRIS) at the California State University, Fullerton on September 15, 2020. The records search included a review of all recorded historic-era and prehistoric archaeological sites within an ¼-mile radius of the Project site, as well as a review of known cultural resource surveys and technical reports. Padre received the results on October 1, 2020.

The records search did not identify any previously recorded cultural resources within the Project site or within a ¼-mile radius. The records search also indicated that the Project site has not been previously surveyed for cultural resources; however, five previous studies have been completed within a ¼-mile radius.

#### 3.18.2 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 (CRHR), or in a local register of historical resources as defined in Public Resources Code section 5020.1, subdivision (k), or*
- 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 Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.*

**Less than Significant with Mitigation.** A significant impact would occur if the Project could cause a substantial adverse change to a tribal cultural resource through physical demolition, destruction, relocation, or alteration of the resource.

As discussed above, the SCCIC-CHRIS records indicate that there are no previously recorded historic-period cultural resources located within the Project site or within a ¼-mile radius.

Although no tribal cultural resources were identified during the study, no subsurface investigations were conducted and there remains the potential that tribal cultural resources could be encountered during Project-related ground-disturbing activities. If any such resources were encountered and found to qualify as a historical resource or unique archaeological resource for CEQA purposes, Project-related impacts to the resources could be significant. Mitigation Measure CUL-1, which will be implemented in the event of inadvertent discovery of unidentified tribal cultural resources, requires work to halt and the resources to be thoroughly documented and appropriately treated. Implementation of this mitigation measure would ensure that impacts on tribal cultural resources remain at a less-than-significant level.

### **3.18.3 Mitigation Measures**

Implementation of the following mitigation measure would reduce potential Project-related impacts regarding tribal cultural resources to less than significant:

MM CUL-1: Treatment of Unknown Cultural Resources.

### 3.19 UTILITIES AND SERVICE SYSTEMS

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

#### 3.19.1 Existing Conditions

The Project site is located on a vacant parcel within a developed urban area surrounded by residential neighborhoods. The Project does not include permanent components that would require or alter existing utilities or service systems.

#### 3.19.2 Impact Analysis

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?*

**Less than Significant Impact.** The Project does not include activities or permanent components that would necessitate new or expanded water, wastewater treatment, stormwater drainage, natural gas or telecommunications facilities. In addition, no interaction with existing utilities would occur that would require relocation. The Project would provide a new electrical supply source for distribution via the existing SCE grid. The Project decommissioning activities would use limited water for work crew needs and dust control, as necessary, that would not require new or expanded water supplies or facilities. Therefore, a less than significant impact would occur.



b. *Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?*

**No Impact.** The Project would require limited water use during construction, operation, and maintenance. Existing sources would be sufficient to meet the water needs of the Project; therefore, no impact would occur.

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?*

**No Impact.** During construction, use of self-contained portable sanitary units would be used. The Project would passively generate electric power during the daylight hours and would not require on-site staff. Therefore, the Project would not result in an increased need for wastewater services, and no impact would occur.

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?*

**Less than Significant Impact.** During construction, a small amount of solid waste would be generated. Waste and recyclable materials would be separated, and licensed providers would deliver the materials to appropriately permitted waste management and recycling facilities. The nearest landfill to the Project site is the Scholl Canyon Landfill, which is located in Glendale, California, approximately 11 miles west of the Project site. The landfill has a maximum capacity of 58,900,000 cubic yards. Currently, the remaining capacity is 9,000,000 cubic yards. The anticipated closure date is April 2030. Although the Project would incrementally contribute to the amount of solid waste generated in the area, the minimal amount related to the Project would be accommodated by existing facilities, and the impact would be less than significant.

e. *Comply with federal, state, and local statutes and regulations related to solid waste?*

**No Impact.** All solid waste generated by construction, operation, and maintenance of the Project would be disposed of in accordance with Federal, State, and local statutes and regulations to solid waste. Therefore, no impact would occur.

### **3.19.3 Mitigation Measures**

The Project would not result in significant impacts to utilities and service systems; therefore, no mitigation is required.

### 3.20 WILDFIRE

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

#### 3.20.1 Existing Conditions

The wildfire hazard in the City has been analyzed using the methodology of the California Department of Forestry and Fire Protection’s (CAL FIRE) Fire and Resource Assessment Program (FRAP) (2011). Pursuant to the CAL FIRE Fire Hazard Severity Zones in Local Responsibility Area (LRA), the Project site is located in a non-very high fire hazard severity zone (Non-VHFHSZ) (CAL FIRE, 2011). CAL FIRE is responsible for wildland fires on SRA.

#### 3.20.2 Impact Analysis

a. *Substantially impair an adopted emergency response plan or emergency evacuation plan?*

**Less than Significant Impact.** Implementation of the Project would not result in a significant temporary or permanent impact on any adopted emergency response plans or emergency evacuation plans. No breaks in utility service would occur as a result of Project implementation. Therefore, impacts would be less than significant.

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?*

**Less than Significant Impact.** The Project site is located within a vacant parcel located within an urban area in the city of Sierra Madre. The Project would not substantially change the existing topography of the Project site. Project construction would be required to comply with the California Fire Code and would not exacerbate existing fire conditions. Therefore, potential impacts would be less than significant.

- 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?*

**Less than Significant Impact.** The Project would include the installation of a solar array and connection to the switchgear. The Project would occur within a vacant parcel surrounded by urban development. The proposed infrastructure would be required to be in full compliance with applicable California Building Code and California Fire Code regulations; therefore, potential impacts associated with exacerbation of fire risk from installation of new infrastructure would be less than significant.

- 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?*

**Less than Significant Impact.** The Project site is generally flat and would not be located near a hillslope or in an area subject to downstream flooding or landslides. The Project does not include any design elements that would 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. Therefore, impacts would be less than significant.

### **3.20.3 Mitigation Measures**

The Project would not result in significant impacts from wildfire; therefore, no mitigation is required

### 3.21 MANDATORY FINDINGS OF SIGNIFICANCE

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

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?*

**Less than Significant with Mitigation.** As described in the impact sections above, the potential of the proposed Project to substantially degrade the environment is less than significant with incorporation of mitigation measures. Specifically, the Project has potential to impact air quality, biological resources, cultural resources, noise, and tribal cultural resources. However, these impacts would be avoided or reduced to a less than significant level with incorporation of mitigation measures discussed in each section.

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

**Less than Significant Impact.** For any Project-related impact to contribute cumulatively to the impacts of past, present, or reasonably foreseeable projects, the other projects would need to result in an impact on the same resource area, occur at the same time, or occur within an area overlapping the proposed Project. No such project within the vicinity of the Project was identified that would result in a cumulative impact

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

**Less than Significant Impact.** The Project would not result in any substantial adverse effects to human beings, either directly or indirectly, since each potentially significant impact can be reduced to a less than significant level with the implementation of mitigation measures provided in this document. No other substantial adverse effects to human beings are anticipated as a result of this Project.

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## **APPENDIX A**

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### **AIR QUALITY AND GREENHOUSE GAS EMISSIONS**

**Sierra Madre Solar Project**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 1: CONSTRUCTION EMISSIONS SUMMARY**

Source	Peak Day Emissions, lbs/day										Annual Emissions, tons/yr											
	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	MTCO <sub>2</sub> e	
Construction Phase	4.04	61.86	75.97	0.17	10.40	3.36	1.14	0.99	3.15	16,648	0.030	0.454	0.489	0.001	0.128	0.029	0.006	0.005	0.022	108.145	100.0	
<b>Peak Day within the SCAMQD</b>	<b>4.04</b>	<b>61.86</b>	<b>75.97</b>	<b>0.17</b>	<b>10.40</b>	<b>3.36</b>	<b>1.14</b>	<b>0.99</b>	<b>3.15</b>	<b>16,648</b>	--	--	--	--	--	--	--	--	--	--	--	--
<b>Total Annual Emissions within the SCAQMD</b>	--	--	--	--	--	--	--	--	--	--	<b>0.030</b>	<b>0.454</b>	<b>0.489</b>	<b>0.001</b>	<b>0.128</b>	<b>0.029</b>	<b>0.006</b>	<b>0.005</b>	<b>0.022</b>	<b>108.1</b>	<b>100.0</b>	
<b>SCQMD Significance Thresholds</b>	<b>75</b>	<b>550</b>	<b>100</b>	<b>150</b>	<b>150</b>	<b>55</b>	<b>150</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>GHG - MTCO<sub>2</sub>e conversions</b>																		<b>298</b>	<b>25</b>	<b>1</b>	<b>--</b>	
<b>Total MTCO<sub>2</sub>e, tons/yr</b>																		<b>100.0</b>				
<b>SCAQMD Significance Threshold</b>																		<b>10,000</b>				
<b>Threshold exceeded?</b>																		<b>No</b>				

**Notes:**

- EPA Emission Factors for Greenhouse Gas Inventories (298 for N<sub>2</sub>O, 25 for CH<sub>4</sub>, and 1 for CO<sub>2</sub>, April 2014, Table 9- Global Warming Potentials (GWPs) - [http://www.epa.gov/sites/production/files/2015-07/documents/emission-factors\\_2014.pdf](http://www.epa.gov/sites/production/files/2015-07/documents/emission-factors_2014.pdf)

SCAQMD - South Coast Air Quality Management District

NO<sub>x</sub> - Oxides of Nitrogen

ROG - Reactive Organic Gases

PM<sub>2.5</sub> - Particulate Matter 2.5 Microns or Less

PM<sub>10</sub> - Particulate Matter 10 Microns or Less

DPM - Diesel Particulate Matter

CO - carbon monoxide

SO<sub>2</sub> - Sulfur Dioxide

N<sub>2</sub>O - Nitrous Oxide

CH<sub>4</sub> - Methane

CO<sub>2</sub> - Carbon Dioxide

**Sierra Madre Solar Project**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 2: OPERATION EMISSIONS SUMMARY**

Source	Peak Day Emissions, lbs/day										Annual Emissions, tons/yr										
	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	MTCO <sub>2</sub> e
Operation Phase	1.29	6.19	9.18	0.02	2.86	0.65	0.11	0.14	0.11	1,678	0.002	0.010	0.021	0.000	0.065	0.007	0.0002	0.001	0.0002	6.0	5.7
<b>Peak Day within the SCAMQD</b>	<b>1.29</b>	<b>6.19</b>	<b>9.18</b>	<b>0.02</b>	<b>2.86</b>	<b>0.65</b>	<b>0.11</b>	<b>0.14</b>	<b>0.11</b>	<b>1,678</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Total Annual Emissions within the SCAQMD</b>	-	-	-	-	-	-	-	-	-	-	<b>0.002</b>	<b>0.010</b>	<b>0.021</b>	<b>0.000</b>	<b>0.065</b>	<b>0.007</b>	<b>0.0002</b>	<b>0.001</b>	<b>0.0002</b>	<b>6.0</b>	<b>5.7</b>
<b>SCQMD Significance Thresholds</b>	<b>75</b>	<b>550</b>	<b>100</b>	<b>150</b>	<b>150</b>	<b>55</b>	<b>150</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	--	<b>No</b>	<b>No</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>GHG - MTCO<sub>2</sub>e conversions</b>																		<b>298</b>	<b>25</b>	<b>1</b>	<b>--</b>
<b>Total MTCO<sub>2</sub>e, tons/yr</b>																		<b>5.7</b>			
<b>SCAQMD Significance Threshold</b>																		<b>10,000</b>			
<b>Threshold exceeded?</b>																		<b>No</b>			

**Notes:**

- EPA Emission Factors for Greenhouse Gas Inventories (298 for N<sub>2</sub>O, 25 for CH<sub>4</sub>, and 1 for CO<sub>2</sub>, April 2014, Table 9- Global Warming Potentials (GWPs) - [http://www.epa.gov/sites/production/files/2015-07/documents/emission-factors\\_2014.pdf](http://www.epa.gov/sites/production/files/2015-07/documents/emission-factors_2014.pdf)

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DPM - Diesel Particulate Matter

CO - carbon monoxide

SO<sub>2</sub> - Sulfur Dioxide

N<sub>2</sub>O - Nitrous Oxide

CH<sub>4</sub> - Methane

CO<sub>2</sub> - Carbon Dioxide

**Assumptions:**

No daily operations. Weekly maintenance visits. Washing of panels once per year for three days.

**Sierra Madre Solar Project**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 3: Construction Phase**

**On-Site Sources**

Source	BHP	Load Factor	Number	Hours/Day	Duration (days)	Emission Factors (g/bhp-hr)											Emissions (lb/day)											Total Emissions (tons)										
						ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>			
Articulate	450	38	1	8	10	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.154	494	0.362	7.841	7.00	0.015	0.265	0.265	0.054	0.013	0.464	1488	0.002	0.039	0.035	0.000	0.001	0.001	0.000	0.000	0.002	7.442			
Backhoe	125	37	1	6	30	0.120	3.700	2.320	0.005	0.112	0.112	0.018	0.004	0.151	486	0.073	2.264	1.42	0.003	0.069	0.069	0.011	0.003	0.092	297	0.001	0.034	0.021	0.000	0.001	0.001	0.000	0.000	0.001	4.458			
Compactor	220	38	1	8	15	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.153	492	0.177	3.834	3.42	0.007	0.130	0.130	0.026	0.006	0.226	725	0.001	0.029	0.026	0.000	0.001	0.001	0.000	0.000	0.002	5.437			
Directional Drill Rig	220	50	1	6	5	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.151	486	0.175	3.783	3.38	0.007	0.128	0.128	0.026	0.006	0.220	707	0.000	0.009	0.008	0.000	0.000	0.000	0.000	0.000	0.001	1.767			
Excavator	320	38	1	6	30	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.152	481	0.193	4.182	3.73	0.008	0.142	0.142	0.029	0.007	0.244	774	0.003	0.063	0.056	0.000	0.002	0.002	0.000	0.000	0.004	11.611			
Generator	50	74	1	8	30	0.895	4.182	4.366	0.007	0.253	0.253	0.018	0.004	0.080	568	0.584	2.729	2.85	0.005	0.165	0.165	0.012	0.003	0.052	371	0.009	0.041	0.043	0.000	0.002	0.002	0.000	0.000	0.001	5.563			
Grader	255	41	1	6	10	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.153	491	0.166	3.596	3.21	0.007	0.122	0.122	0.025	0.006	0.212	678	0.001	0.018	0.016	0.000	0.001	0.000	0.000	0.000	0.001	3.392			
Loader	250	36	1	4	30	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.152	488	0.095	2.064	1.84	0.004	0.070	0.070	0.014	0.003	0.121	387	0.001	0.031	0.028	0.000	0.001	0.001	0.000	0.000	0.002	5.808			
Scraper-1F	500	48	1	8	10	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.153	491	0.508	11.005	9.82	0.021	0.372	0.372	0.076	0.018	0.648	2077	0.003	0.055	0.049	0.000	0.002	0.002	0.000	0.000	0.003	10.387			
Scraper-1R	500	48	1	8	10	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.153	491	0.508	11.005	9.82	0.021	0.372	0.372	0.076	0.018	0.648	2077	0.003	0.055	0.049	0.000	0.002	0.002	0.000	0.000	0.003	10.387			
Water Truck	210	38	1	6	30	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.004	0.152	488	0.127	2.744	2.45	0.005	0.093	0.093	0.019	0.004	0.160	515	0.002	0.041	0.037	0.000	0.001	0.001	0.000	0.000	0.002	7.721			
<b>Total</b>																																						

**On-Road Sources**

Source	Peak Round Trips/Day	Average Round Trips/Day	Number of Vehicles	Length of Round Trip (miles)	Duration (days)	Emission Factors (g/mile)											Peak Day Emissions (lb/day)											Total Emissions (tons)										
						ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>			
Passenger Vehicle - LDA (offsite)	1	1	5	60	10	0.0227	0.8334	0.0885	0.0030	0.0390	0.0014	0.0000	0.0076	0.0050	303	0.015	0.551	0.059	0.002	0.026	0.001	0.000	0.005	0.003	200	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.002	
Light-Duty Truck - LDT2 (offsite)	1	1	4	60	10	0.0355	1.2453	0.1947	0.0039	0.0926	0.0015	0.0016	0.0130	0.0075	397	0.019	0.659	0.103	0.002	0.049	0.001	0.001	0.007	0.004	210	0.000	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.051	
Passenger Vehicle - LDA (offsite)	1	1	7	60	20	0.0227	0.8334	0.0885	0.0030	0.0390	0.0014	0.0000	0.0076	0.0050	303	0.021	0.772	0.082	0.003	0.036	0.001	0.000	0.007	0.005	280	0.000	0.008	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.804		
Light-Duty Truck - LDT2 (offsite)	1	1	5	60	20	0.0355	1.2453	0.1947	0.0039	0.0926	0.0015	0.0016	0.0130	0.0075	397	0.024	0.824	0.129	0.003	0.061	0.001	0.001	0.009	0.005	263	0.000	0.008	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	2.628		
Med-Heavy Duty - T6 Utility (onsite)	1	1	4	0.25	20	0.0995	0.3438	4.3168	0.0161	0.1464	0.0128	0.0134	0.2680	0.0046	1705	0.000	0.001	0.010	0.000	0.000	0.000	0.000	0.001	0.000	3.8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038		
Med-Heavy Duty - T6 Utility (offsite)	1	1	4	60	20	0.0160	0.0610	2.1227	0.0096	0.1490	0.0153	0.0160	0.1602	0.0007	1019	0.008	0.032	1.123	0.005	0.079	0.008	0.008	0.085	0.000	539	0.000	0.000	0.011	0.000	0.001	0.000	0.000	0.000	0.001	0.000	5.393		
Heavy Duty Haul Truck - T7T (offsite)	1	1	4	60	2	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1428	0.145	0.591	3.816	0.007	0.183	0.108	0.113	0.119	0.007	755	0.000	0.001	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.755		
Heavy Duty Haul Truck - T7T (offsite)	1	1	21	60	10	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1428	0.742	3.026	19.556	0.037	0.940	0.555	0.580	0.608	0.034	3871	0.004	0.015	0.098	0.000	0.005	0.003	0.003	0.003	0.000	19.356			
Heavy Duty Haul Truck - T7T (onsite)	1	1	21	0.25	10	1.7248	3.9552	13.203	0.0244	0.5797	0.4273	0.4467	0.4064	0.0801	2586	0.019	0.045	0.149	0.000	0.007	0.005	0.005	0.005	0.001	29	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.146			
Heavy Duty Haul Truck - T7T (offsite)	1	1	0.3	60	20	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1428	0.011	0.044	0.286	0.001	0.014	0.008	0.008	0.009	0.001	57	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.567			
Heavy Duty Haul Truck - T7T (onsite)	1	1	0.3	0.25	20	1.7248	3.9552	13.203	0.0244	0.5797	0.4273	0.4467	0.4064	0.0801	2586	0.000	0.001	0.002	0.000	0.000	0.000	0.000	0.000	0.43	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004				
Heavy Duty Haul Truck - T7T (offsite)	1	1	1.2	15	5	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1428	0.011	0.044	0.286	0.001	0.014	0.008	0.008	0.009	0.001	57	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.142			
Heavy Duty Haul Truck - T7T (onsite)	1	1	1.2	0.25	5	1.7248	3.9552	13.203	0.0244	0.5797	0.4273	0.4467	0.4064	0.0801	2586	0.001	0.003	0.009	0.000	0.000	0.000	0.000	0.000	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004				
Heavy Duty Haul Truck - T7T (offsite)	1	1	6	15	2	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1428	0.054	0.221	1.431	0.003	0.069	0.041	0.042	0.045	0.003	283.3	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.283			
<b>Total</b>																																						

**Notes:**

- Hours per day and durations estimated or provided by Project Applicant.
- Round trips for deliveries estimated from within the SCAQMD (60-miles).
- Round trips for LDA and LDT2 is estimated from within the SCAQMD (60-miles).
- Estimated trucks to transport of Rental Equipment from within SCAQMD, 60 mile round trip.
- Round trips to transport waste estimated from within the SCAQMD (60-miles)
- Estimated trucks to transport base from Hansons Agragete in Irwindale, Ca, 15 mile round trip.

**Sierra Madre Solar Project**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 4: Construction Phase / Operation Phase - Fugitive Dust Emissions**

Construction

Activity	Source	Source Units	Number of Days	Emission Factor	Emission Factor, Units	Peak Day Emissions (lbs/day)		Total Emissions (tons)	
						PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Site Grading	0.358	acres/day	10	0.429	lbs PM10/day/acre	0.1536	0.0140	0.0008	0.0001
Truck Loading & Dumping (Grading Phase)	329.5	tons/day	10	1.72E-04	lbs/ton	0.0567	0.0086	0.0003	0.0000
Truck Loading & Dumping (Base)	16.4	tons/day	5	1.72E-04	lbs/ton	0.0028	0.0004	0.0000	0.0000
Vehicle Miles Off-Road	6.0	vehicle-miles/day	30	1.17	lbs/vehicle-mile	6.9932	0.6993	0.1049	0.0105
<b>Max/Total</b>						<b>6.993</b>	<b>0.699</b>	<b>0.106</b>	<b>0.0106</b>

Operations

Activity	Source	Source Units	Number of Days	Emission Factor	Emission Factor, Units	Peak Day Emissions (lbs/day)		Total Emissions (tons)	
						PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Vehicle Miles Off-Road	2.0	vehicle-miles/day	55	1.17	lbs/vehicle-mile	2.3311	0.2331	0.0641	0.0064
<b>Max/Total</b>						<b>2.3311</b>	<b>0.2331</b>	<b>0.0641</b>	<b>0.0064</b>

**Fugitive Dust Emissions: Inputs for the Table**

Emission factors based on following inputs

Mean number of rain days per year	0	worst case
Silt content of soil, fill storage pile, %	1.5	SCAQMD default value
Roadway inputs (paved and unpaved, as per URBEMIS)		
Roads mean vehicle weight, tons	20.61	based on project description, HHDT + LDT and vehicles weight (average of full and empty)
unpaved dirt road silt content, %	8.4	AP-42 construction sites
Truck Loading inputs		
k, particle size multiplier, default=0.35 for pm10	0.35	
U, mean wind speed, mph range 1.3-15	8.15	
M, moisture content, default=12%	12	
PM2.5/PM10 ratio truck loading	0.15	
Site grading emissions from CalEEMod for grading	0.091	ratio of PM2.5/PM10 CalEEMod
Demolition materials, tons/yds <sup>3</sup>	1.000	estimated for concrete debris
Fill materials, tons/yds <sup>3</sup>	1.000	estimated for soils
Mitigation: demolition area watering (fraction reduction)		
Mitigation: grading/dist area watering (fraction reduction)	0.61	0.61 for watering every 3 hours (SCAQMD)
Mitigation: dumping soil moisture (fraction reduction)	0.69	0.69 for minimum 12% soil moisture (SCAQMD)
Mitigation: storage piles (fraction reduction)	0.90	0.90 for watering by hand and covering (SCAQMD)
Mitigation: roads (fraction reduction)	0.55	0.55 for watering 3X per day (SCAQMD), 0.80 for soil binders applied monthly (AP-42)

**Notes:**

PM2.5/PM10 ratio as per AP-42 k factor for PM10 and PM2.5

Demolition dust calculations as per EPA AP-42 11.19 and 13.2.4

Truck loading dumping cut/fill based on CalEEMod

Storage pile emissions based on SCAQMD Handbook (URBEMIS does not address emissions from storage piles)

Paved and unpaved road dust emissions based on AP-42 2006 (unpaved) Chapt 13. EPA AP-42 2006 is the same as URBEMIS and CalEEMod

One month assumes 22 days of activity, as per URBEMIS

**Sierra Madre Solar Project**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 5: Operations Phase**

**On-Site Sources**

Source	BHP	Load Factor	Number	Hours/Day	Duration (days)	Emission Factors (g/bhp-hr)										Emissions (lb/day)										Total Emissions (tons)									
						ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Generator	50	74	2	8	3	0.895	4.182	4.366	0.007	0.253	0.253	0.018	0.004	0.080	568	1.17	5.458	5.698	0.009	0.330	0.330	0.023	0.005	0.104	742	0.002	0.008	0.009	0.000	0.0005	0.0005	0.0000	0.0000	0.0002	1.113
<b>Total</b>						<b>1.17</b>	<b>5.46</b>	<b>5.70</b>	<b>0.01</b>	<b>0.33</b>	<b>0.33</b>	<b>0.02</b>	<b>0.01</b>	<b>0.10</b>	<b>742</b>	<b>0.002</b>	<b>0.008</b>	<b>0.009</b>	<b>0.000</b>	<b>0.0005</b>	<b>0.0005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0002</b>	<b>1.113</b>										

**On-Road Sources**

Source	Peak Round Trips/Day	Average Round Trips/Day	Number of Vehicles	Length of Round Trip (miles)	Duration (days)	Emission Factors (g/mile)										Peak Day Emissions (lb/day)										Total Emissions (tons)										
						ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	
Passenger Vehicle - LDA (offsite)	1	1	1	60	3	0.0227	0.8334	0.0885	0.0030	0.0390	0.0014	0.0000	0.0076	0.0050	303	0.003	0.110	0.012	0.000	0.005	0.000	0.000	0.001	0.001	40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1
Light-Duty Truck - LDT2 (offsite)	1	1	1	60	3	0.0355	1.2453	0.1947	0.0039	0.0926	0.0015	0.0016	0.0130	0.0075	397	0.005	0.165	0.026	0.001	0.012	0.000	0.000	0.002	0.001	53	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1
Med-Heavy Duty - T6 Utility (offsite)	1	1	1	60	52	0.0160	0.0610	2.1227	0.0096	0.1490	0.0153	0.0160	0.1602	0.0007	1019	0.002	0.008	0.281	0.001	0.020	0.002	0.002	0.021	0.000	135	0.000	0.000	0.007	0.000	0.001	0.000	0.000	0.001	0.000	3.5	
Med-Heavy Duty - T6 Utility (onsite)	1	1	1	1	52	0.0995	0.3438	4.3168	0.0161	0.1464	0.0128	0.0134	0.2680	0.0046	1705	0.000	0.001	0.010	0.000	0.000	0.000	0.000	0.001	0.000	3.8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1	
Med-Heavy Duty - T6 Utility (offsite)	1	1	1	60	3	0.0160	0.0610	2.1227	0.0096	0.1490	0.0153	0.0160	0.1602	0.0007	1019	0.002	0.008	0.281	0.001	0.020	0.002	0.002	0.021	0.000	135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.2	
Med-Heavy Duty - T6 Utility (onsite)	1	1	1	1	3	0.0995	0.3438	4.3168	0.0161	0.1464	0.0128	0.0134	0.2680	0.0046	1705	0.000	0.001	0.010	0.000	0.000	0.000	0.000	0.001	0.000	3.8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0	
Heavy Duty Haul Truck - T7T (offsite)	1	1	2	60	3	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1428	0.072	0.295	1.908	0.004	0.092	0.054	0.057	0.059	0.003	378	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.57	
Heavy Duty Haul Truck - T7T (offsite)	1	1	1	60	4	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1428	0.036	0.148	0.954	0.002	0.046	0.027	0.028	0.030	0.002	189	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.38	
<b>Total</b>						<b>0.12</b>	<b>0.736</b>	<b>3.480</b>	<b>0.009</b>	<b>0.195</b>	<b>0.086</b>	<b>0.089</b>	<b>0.135</b>	<b>0.007</b>	<b>936</b>	<b>0.000</b>	<b>0.001</b>	<b>0.013</b>	<b>0.000</b>	<b>0.001</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>4.89</b>	

- Round trips for LDA, LDT2 and LDT2 is estimated from within the SCAQMD (60-miles).

- Operations assumed 5 days per week.

**Sierra Madre Solar Project**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 6: Emission Factors and Assumptions**

Onsite				Emission Factors, g/bhp-hr*										Emission Factors, lb/bhp-hr									
Source	Tier	Operational Horsepower	Load Factor	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Articulate	3	450	38	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.154	493.5	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0880
Backhoe	3	125	37	0.120	3.700	2.320	0.005	0.112	0.112	0.018	0.0042	0.151	485.8	0.0003	0.0082	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00033	1.0710
Compactor	3	220	38	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.153	491.7	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0839
Directional Drill Rig	3	220	50	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.151	485.7	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00033	1.0708
Excavator	3	320	38	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.152	481.2	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0609
Generator	--	50	74	0.895	4.182	4.366	0.007	0.253	0.253	0.018	0.0042	0.080	568.3	0.0020	0.0092	0.0096	0.00002	0.0006	0.0006	0.0000	0.00001	0.00018	1.2529
Grader	3	255	41	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.153	490.6	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0815
Loader	3	250	36	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.152	487.9	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0756
Scraper-1F	3	500	48	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.153	490.8	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0820
Scraper-1R	3	500	48	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.153	490.8	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0820
Water Truck	3	210	38	0.120	2.600	2.320	0.005	0.088	0.088	0.018	0.0042	0.152	487.6	0.0003	0.0057	0.0051	0.00001	0.0002	0.0002	0.0000	0.00001	0.00034	1.0751

Offsite				Emission Factors, g/mile										Emission Factors, lb/mile									
Source	Tier	Region	Speed	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Passenger Vehicle - LDA (offsite)	N/A	Los Angeles County	65	0.0227	0.8334	0.0885	0.0030	0.0390	0.0014	0.0000	0.0076	0.0050	302.9	0.0000	0.0018	0.0002	0.00001	0.0001	0.0000	0.0000	0.00002	0.00001	0.6677
Light-Duty Truck - LDT2 (offsite)	N/A	Los Angeles County	65	0.0355	1.245	0.1947	0.004	0.0926	0.0015	0.0016	0.013	0.007	397.3	0.0001	0.0027	0.0004	0.00001	0.0002	0.0000	0.0000	0.00003	0.00002	0.8760
Med-Heavy Duty - T6 Utility (onsite)	N/A	Los Angeles County	15	0.0995	0.3438	4.3168	0.0161	0.1464	0.0128	0.0134	0.2680	0.0046	1704.8	0.0002	0.0008	0.0095	0.00004	0.0003	0.0000	0.0000	0.00059	0.00001	3.7585
Med-Heavy Duty - T6 Utility (offsite)	N/A	Los Angeles County	55	0.0160	0.0610	2.1227	0.0096	0.1490	0.0153	0.0160	0.1602	0.0007	1019.2	0.0000	0.0001	0.0047	0.00002	0.0003	0.0000	0.0000	0.00035	0.00000	2.2471
Heavy Duty Haul Truck - T7T (onsite)	N/A	Los Angeles County	15	1.7248	3.9552	13.2032	0.0244	0.5797	0.4273	0.4467	0.4064	0.0801	2585.8	0.0038	0.0087	0.0291	0.00005	0.0013	0.0009	0.0010	0.00090	0.00018	5.7006
Heavy Duty Haul Truck - T7T (offsite)	N/A	Los Angeles County	55	0.2738	1.1161	7.2119	0.0135	0.3467	0.2045	0.2137	0.2244	0.0127	1427.6	0.0006	0.0025	0.0159	0.00003	0.0008	0.0005	0.0005	0.00049	0.00003	3.1473
Heavy Duty Trucks - T7TC (onsite)	N/A	Los Angeles County	15	1.7523	4.0276	12.6801	0.0246	0.3520	0.3367	0.2190	0.4088	0.0814	2600.4	0.0039	0.0089	0.0280	0.00005	0.0008	0.0007	0.0005	0.00090	0.00018	5.7330
Heavy Duty Trucks - T7TC (offsite)	N/A	Los Angeles County	55	0.2609	1.0282	6.5604	0.0135	0.3085	0.1679	0.1755	0.2240	0.0121	1424.9	0.0006	0.0023	0.0145	0.00003	0.0007	0.0004	0.0004	0.00049	0.00003	3.1413

- Notes:**
- Equipment list and engine size provided by Project Applicant. HP were adjusted whenever data was available for the size of the equipment provided by the applicant.
  - Construction equipment criteria pollutant emission factors and load factors were obtained from CalEEMod, Appendix D 2016.
  - N<sub>2</sub>O and CH<sub>4</sub> emission factors for construction equipment were obtained from CFR Part 98 Table C-2 and CalEEMod Appendix D- Default Data Tables, Table 3.4. Kg/mmbtu was converted to kg/bhp-hr using a diesel energy density of 7000 btu/hp-hr.
  - CO<sub>2</sub> emission factors for construction equipment were obtained from CalEEMod Appendix D- Default Data Tables, Table 3.4.
  - DPM emission factors for construction equipment were obtained from The Port of Long Beach, 2013 Emissions Inventory Appendix D- Table D-2.
  - CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O emissions are estimated using methodology provided in Climate Leaders Greenhouse Gas Inventory Protocol and EPA Simplified GHG Emissions Calculator
  - Vehicle emissions factors obtained from EMFAC-2017.

## **APPENDIX B**

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### **PHASE I ENVIRONMENTAL SITE ASSESSMENT**





 ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
SOLAR PHOTOVOLTAIC PROJECT  
CITY OF SIERRA MADRE  
PORTION OF APN 5766-005-903  
611 EAST SIERRA MADRE BOULEVARD  
SIERRA MADRE, LOS ANGELES COUNTY, CALIFORNIA**

Prepared for:

REC Solar Commercial Corporation, a Duke Energy Renewables Company;  
Duke Energy Renewables Commercial, LLC; Westbound Solar 2, LLC; Skyhigh  
Sun 2, LLC; and Goldman Sachs/Special Situations Group

November 2020

November 30, 2020  
Project No. 2001-6971

REC Solar, a Duke Energy Renewables Company  
3450 Broad Street, Suite 105  
San Luis Obispo, California 93401

Attention: Mr. Brandon Hartman, Senior Project Manager

Subject: Phase I Environmental Site Assessment, Solar Photovoltaic Project, City of Sierra Madre, Portion of APN 5766-005-903, 611 East Sierra Madre Boulevard, Sierra Madre, Los Angeles County, California

Dear Mr. Hartman:

Padre Associates, Inc. is pleased to submit the attached Phase I Environmental Site Assessment report to REC Solar Commercial Corporation, a Duke Energy Renewables Company (REC Solar) for the subject site. The report presents our findings, conclusions, and recommendations regarding the current environmental conditions documented at the subject property.

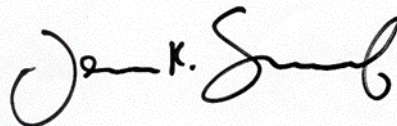
It has been a pleasure to have provided these services to REC Solar. If you have any questions or require additional information, please contact Mr. Chris Prevost at (805) 786-2650 at extension 122 or by email at [cprevost@padreinc.com](mailto:cprevost@padreinc.com).

Sincerely,

PADRE ASSOCIATES, INC.



Chris O. Prevost, P.E.  
Senior Engineer



Jerome K. Summerlin, C.E.G., C.Hg.  
President

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## 1.0 INTRODUCTION

At the request and authorization of REC Solar Commercial Corporation (the Client), a Duke Energy Renewables Company (REC Solar), Padre Associates Inc. (Padre) completed this Phase I Environmental Site Assessment (ESA) for the planned solar photovoltaic system to be constructed within a portion of the City of Sierra Madre property located at 611 East Sierra Madre Boulevard, Los Angeles County, California (Project Site). The regional location of the Project Site is presented as Plate 1 – Site Location Map, and the Project Site layout and plan view is presented as Plate 2 – Site Plan. This ESA was prepared for use by REC Solar Commercial Corporation (the Client), a Duke Energy Renewables Company; and Duke Energy Renewables Commercial, LLC; Westbound Solar 2, LLC; Skyhigh Sun 2, LLC; and Goldman Sachs/Special Situations Group as Users of the Phase I ESA (combined and herein referred to as the “Users” of this ESA).

The planned solar system project includes the construction of a photovoltaic solar array within approximately 1.8 acres of the northwestern area of the City of Sierra Madre property. The Project Site is located within the northwestern portion of Los Angeles County Assessor’s Parcel Number (APN) 5766-005-903 with a site access address of 611 East Sierra Madre Boulevard, Sierra Madre, Los Angeles County, California (refer to Plate 3 – Assessor’s Parcel Map). Ancillary features associated with the planned solar array system include, but are not limited to, the installation of a security fence, inverters, transformers, underground electrical conduit, and meters / circuit breaker boxes. It is Padre’s understanding that the land associated with the planned photovoltaic solar array area will be leased, which is the subject of this ESA. Ancillary features located beyond the photovoltaic solar array boundary are discussed briefly but are generally not included as part of the subject ESA. The term “Project Site” used herein refers specifically to the approximately 1.8 acres of lease area within the northwestern portion of APN 5766-005-903 that will include the solar array system and security fence as shown on the project plans provided by REC Solar dated July 8, 2020.

This Phase I ESA was completed in accordance with the guidelines outlined in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (E-1527-13) and the U.S. Environmental Protection Agency’s All Appropriate Inquiry (AAI) standard promulgated in 2013. The objective of the ESA was to evaluate whether current or previous land use at or adjacent to the Project Site may have involved, or resulted in the use, storage, disposal, treatment, and/or release of hazardous substances to the environment, resulting in the determination of a Recognized Environmental Condition (REC) at the Project Site. A REC is defined by ASTM E-1527-13 as *the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.* The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Additional key definitions from the ASTM E-1527-13 standard include the following:

- *Environment* - includes navigable waters, the waters of the contiguous zone, and the ocean waters; and any other surface water, groundwater, drinking water supply, land surface or subsurface strata. It should be noted that this ESA did not include a survey of asbestos-containing materials (ACM) or lead-based paint (LBP), nor did it include sampling and chemical analysis of any environmental media at the Project Site.
- *Historical Recognized Environmental Conditions (HRECs)* - a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (i.e., property use restrictions, activity and use limitations, institutional controls and engineering controls).
- *Controlled Recognized Environmental Conditions (CRECs)* - a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidence by the issuance of a “No Further Action” letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (i.e., property use restrictions, activity and use limitations, institutional controls and engineering controls).
- *Activity Use Limitations (AULs)* - legal or physical restrictions or limitations on the use of, or access to, a site or facility: (a) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and / or surface water on the property, or (b) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.
- *Migrate / Migration* - refers to the movement of hazardous substances or petroleum products in any form, including solid and liquid at the surface and subsurface, and vapor in the subsurface.

To achieve the objective of the ESA, the following tasks were completed:

- A review of readily available geologic and hydrogeologic literature;
- Historical research including a review of available historical aerial photographs, Sanborn Fire Insurance Maps, historical city directories, and historical topographic maps relating to the Project Site;
- A site reconnaissance of the Project Site and adjacent properties;
- Interviews with knowledgeable persons of the Project Site;
- Public agency records review;

- An environmental database search; and
- The preparation of this report presenting the results of the ESA.

Five appendices are included with this report: Appendix A presents photographs of the Project Site at the time of Padre's site visit; Appendix B presents the historical information, including aerial photographs, Sanborn map coverage, topographic maps, and city directory abstract, obtained for the Project Site; Appendix C presents the environmental database report; Appendix D presents ESA questionnaires; and Appendix E presents the qualifications of the environmental professionals that conducted and supervised the ESA preparation.

## 2.0 ENVIRONMENTAL SETTING

The following discussion summarizes the geologic, hydrogeologic, and other relevant data pertaining to the physical setting of the Project Site.

### 2.1 SITE LOCATION AND DESCRIPTION

The location of the Project Site is illustrated on Plate 1 - Site Location Map and Plate 2 - Site Plan. The City of Sierra Madre property (Parent Property) encompasses an area of approximately 35 acres. The planned photovoltaic solar array (Project Site) will occupy approximately 1.8 acres within the northwestern area of the Parent Property (refer to Plate 3). Additionally, a security fence will be constructed surrounding the solar array, and approximately 713 feet of trenching or horizontal boring will be required for the installation of electrical conduit from the solar array system to the utility meter located at the southeast area of the Parent Property. Currently the area of the Project Site is developed with two, dry water spreading basins (used by the City of Sierra Madre to recharge the local groundwater aquifer), one of which was partially backfilled, likely for the construction of the solar array system (refer to Section 4.1 – Site Reconnaissance). The Project Site is bounded to the north and east by dry water spreading basins, to the south by a baseball field, and a developed residential neighborhood to the west. Properties to the north, east, and south are part of the Parent Property. The primary access to the Project Site is via Sierra Madre Boulevard located approximately 1,000 feet to the south.

The Project Site is currently zoned with the City of Sierra Madre as C/CP – Civic and City Park (City of Sierra Madre Zoning Map 2017).

Based on Google Earth Pro (Google, Imagery Date 2020), the approximate latitude and longitude coordinates for the center area of the Project Site are:

- Latitude (North) 34.165369°
- Longitude (West) -118.041290°

### 2.2 TOPOGRAPHY AND DRAINAGE

Based on a review of the United States Geological Survey (USGS) 7.5-minute topographic quadrangle for Mount Wilson Quadrangle, California (2018), the Project Site is situated at an elevation of approximately 760 feet above mean sea level (AMSL) and is located at the southern toe of the San Gabriel Mountain Range, within the greater Los Angeles basin. The Project Site is relatively flat and level while regionally, the area is relatively flat with a slight down slope toward the south-southeast. There is likely little to no surface runoff at the Project Site due to the existing spreading basins.



## **2.3 GEOLOGY AND HYDROGEOLOGY**

### **2.3.1 Geology**

The Project Site is located near the base of the San Gabriel Mountains, which are a part of the Transverse Ranges Geomorphic Province of California that extends from Point Conception from the west into the Mojave and Colorado deserts to the east. The Transverse Ranges Geomorphic Province is characterized by a series of complex east-west oriented mountain ranges bounded by east-west trending strike slip faults. The east-west trend of the Transverse Ranges and associated faults is a result of crustal compression and uplift triggered by the left bend in the San Andreas Fault that began in the Pliocene (Norris and Webb, 1990).

The area of the Project Site is located on Holocene-age alluvial fan deposits consisting of gravel and sand deposited from canyons located at the base of the San Gabriel Mountains (Dibblee, 1998). The surface deposits within the Project Site as shown on the *Geologic Map of the Mt. Wilson and Azusa Quadrangles, Los Angeles County, California* consist of artificial fill materials. The active Sierra Madre Fault Zone is located within two miles to the north of the Project Site and the active Raymond Fault is located approximately two miles to the southeast of the Project Site.

### **2.3.2 Hydrogeology**

The Project Site is located within the Raymond groundwater Basin, Basin No. 4-23 (Department of Water Resources [DWR], 2003). The groundwater in the basin occurs primarily within the unconsolidated quaternary alluvial sediments generally ranging in thickness from approximately 150 feet to 1,140 feet thick, depending on location within the basin. This aquifer is generally unconfined. The basin is bounded by consolidated basement rocks of the San Gabriel Mountains to the north, San Rafael Hills to the southwest, a drainage divide at the Pickens Canyon Wash, and the Raymond Fault to the southwest. Recharge into the basins is primarily from direct percolation of the precipitation and percolation of ephemeral stream flow from the San Gabriel Mountains.

Based on publicly available information on the DWR Water Data Library Application, the nearest active public groundwater well/gauging station (Well ID # 341484N1180429W001) is located approximately two miles south of the Project Site. The average depth to groundwater from this gauging station between 2011 and 2020 is approximately 126 feet below ground surface. The estimated groundwater flow direction beneath the Project Site is expected to be southeast, toward the San Gabriel River located approximately 5.5 miles to southeast of the Project Site.

## **2.4 UNOFFICIAL SOIL**

Soils within the upper three to five feet underlying the Project Site are identified as the Urban Land-Soboba-Tujunga complex originating from alluvial fans, which is an excessively drained soil with low runoff (EDR, 2020). The Urban Land soils consist of sandy loam, gravelly sandy loam, and cobbly sand.

## **2.5 FLOODPLAIN**

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (*Community Panel Number: 06037C1400F*), the Project Site is not located within 100-year or 500-year flood zones (EDR, 2020).

## **2.6 OIL AND GAS WELLS**

Padre reviewed the State of California Geologic Energy Management Division (CalGEM) online mapping system to determine whether any oil and gas wells are located at or in the vicinity of the Project Site. According to the available CalGEM records, no oil and/or gas wells were developed or drilled at the Project Site, or within a one-half mile radius of the Project Site.

### 3.0 HISTORICAL SITE CONDITIONS

Based on a review of publicly available historical information, Padre has compiled the following history of the Project Site.

#### 3.1 HISTORICAL AERIAL PHOTOGRAPHS

Padre reviewed available aerial photographs of the Project Site and the surrounding area obtained and provided by EDR. Aerial photographs showing the area of the Project Site from the years 1928, 1938, 1948, 1952, 1954, 1964, 1970, 1979, 1981, 1989, 2002, 2005, 2009, 2012, and 2016 were reviewed by Padre. Additionally, the 2020 Google Earth image was reviewed. Copies of the aerial photographs are provided as Appendix B1. The following is a summary of the aerial photographs reviewed:

- 1928** The Project Site is undeveloped with a drainage course seen traversing the Project Site from northwest to southeast. A tree orchard is seen west and adjacent to the Project Site. Adjacent properties to north and east are undeveloped and vacant, and the property to the south (estimated 600 feet south) is developed with several structures that appear to be part of a ranch or farmstead. Regionally, the area appears developed with scattered, rural residential homes and Sierra Madre Boulevard is seen to the south of the Project Site.
- 1938** The Project Site is undeveloped. The drainage course seen in the 1928 photograph appears to have been diverted to the east. Properties to the west and south appear similar as compared to the 1928 photograph. The areas to the east and southeast have been developed with a series of berms and water basins. Regionally, the area appears developed with rural residential homes and Sierra Madre Boulevard is seen to the south of the Project Site.
- 1948** The quality of this photograph is poor; however, it appears the Project Site remains undeveloped and surrounding areas do not appear to have changed significantly compared to the 1938 photograph.
- 1952** The Project Site remains undeveloped. A portion of the tree orchard to the west appears to be under residential development. Additional water basins are seen to the northeast and east of the Project Site. Regionally, the area has increased significantly with residential homes and light commercial properties.
- 1954** The Project Site remains undeveloped. Most of the tree orchard originally observed in the 1928 photograph to the west is now gone and replaced with residential properties and what appears to be a school. Properties to the north, east, and south have not changed significantly compared to the 1952 photograph.
- 1964** The Project Site is now developed with three water basins (the southernmost basin extends farther south, beyond the Project Site limits). A significant increase in

residential development is seen throughout the region. Properties and areas directly to the north, east, and south include water basins and areas to the west are developed residential properties. A school is located southwest of the Project Site and the Parent Property is developed with recreational facility to the south, including sports fields and what appears to be a public swimming pool.

- 1970** The Project Site and surrounding areas appear similar compared to the 1964 photograph with a general increase in residential homes observed regionally. A baseball field is seen directly south of the Project Site.
- 1979** The Project Site and surrounding areas appear similar compared to the 1970 photograph.
- 1981** The Project Site and surrounding areas appear similar compared to the 1979 photograph.
- 1989** The Project Site and surrounding areas appear relative similar compared to the 1981 photograph; however, the southernmost water basin within the Project Site boundary appears to have been backfilled and is now part of the baseball field observed during previous years.
- 2002** The Project Site and surrounding areas appear similar compared to the 1989 photograph with an overall increase in residential development throughout the region.
- 2005** The Project Site and surrounding areas appear similar compared to the 2002 photograph.
- 2009** The Project Site and surrounding areas appear similar compared to the 2005 photograph.
- 2012** The Project Site and surrounding areas appear similar compared to the 2009 photograph.
- 2016** The Project Site and surrounding areas appear similar compared to the 2012 photograph.
- 2020** (Google Earth Pro Image) The Project Site and surrounding areas appear similar as compared to the 2016 aerial photograph.

Padre's review of the historical aerial photographs acquired from EDR and the 2020 Google Earth image did not indicate evidence or conditions that would pose a Recognized Environmental Condition to the Project Site.

### **3.2 HISTORICAL SANBORN FIRE INSURANCE MAPS**

Padre contracted with EDR to provide a search of available historical Sanborn Fire Insurance Maps, which are maintained exclusively by EDR. These maps, which have been

periodically updated since the late 19<sup>th</sup> Century, often provide valuable insight into historical site uses, which can be used to assist the Phase I ESA preparer with assessing potential environmental conditions on or near a specific property. According to EDR, Sanborn Map coverage was not identified for the Project Site and adjacent properties. A copy of EDR's Sanborn map coverage statement for the Project Site is provided as Appendix B2.

### **3.3 UNITED STATES GEOLOGICAL SURVEY TOPOGRAPHIC MAPS**

Padre obtained historical topographic maps from EDR for the area of the Project Site. Historical topographic maps dated 1894, 1896, 1900, 1928, 1933, 1941, 1953, 1966, 1972, 1988, 1994, 1995, and 2012 were available for review. In general, the scale of the topographic maps (1 inch = 0.5 mile, elevation contours at 20 feet or greater) is intended to depict general surface features and land use over a broad area, therefore most specific land uses at ground level are typically indistinguishable. Furthermore, individual property details and structures are not provided on the 2012 map. However, based on the review of these topographic maps, the Project Site was undeveloped from circa 1894 to approximately 1966, where the Project Site is seen as is developed with water spreading/flood control basins and is located within Sierra Vista City Park. A cemetery is located to the south of the Project Site, adjacent to Sierra Madre Boulevard circa 1941 to the present. Padre's review of the historical topographic maps acquired from EDR did not indicate evidence or conditions that would pose a REC to the Project Site. Copies of the historical topographic maps are provided as Appendix B3.

### **3.4 HISTORICAL CITY DIRECTORIES**

Padre obtained available historical city directories from EDR for the Project Site. The city directories identify property uses and are indexed by street address. Historical address listings associated with the Parent Property of 611 East Sierra Madre Boulevard were identified within city directories dated between 1973 and 2014 at approximately 5-year intervals as "Sierra Madre City Rec", "Sierra Madre City Swim", and "Waterworks Aquatic Sierra Madre". The Parent Property was not listed in the 1962 and 1967 directories. Property listings in the vicinity of the Project Site between 1962 and 2014 consist primarily of residential owners. A copy of EDR's city directory abstract is provided as Appendix B4.

Padre's review of the historical city directories abstract provided by EDR did not indicate evidence or conditions that would pose a REC to the Project Site.

### **3.5 CITY OF SIERRA MADRE BUILDING DEPARTMENT FILE REVIEW**

The initial findings of the Phase I ESA research suggest the Project Site remained undeveloped through approximately 1964 at which point several water spreading/flood control basins were constructed and have remained at the Project Site to the present. Therefore, the City of Sierra Madre Building and Safety Division was not contacted to request a file review for the Project Site.

## **4.0 CURRENT SITE CONDITIONS**

This section summarizes current site conditions and Project Site uses as well as any hazardous substances use, handling, and storage, if any.

### **4.1 SITE RECONNAISSANCE**

Mr. Ryan M. Zukor of Padre visited the Project Site on September 22, 2020. The weather conditions at the time of the site reconnaissance were smokey/hazy (from regional wildfires) and warm.

Access to the Project Site at the time of the site reconnaissance was from East Sierra Madre Boulevard via a combination of asphalt and unpaved access roads.

#### **4.1.1 Interior Observations**

There were no structures observed at the Project Site.

#### **4.1.2 Exterior Observations**

At the time of the site reconnaissance activities, the Project Site was developed with two water spreading basins and stockpiles of soil. Both basins were dry, and the southern basin appeared to have been recently partially backfilled with soil and a small amount of asphalt rubble. The surface area at the northern portion of the Project Site appeared to have been recently graded with earthmoving equipment.

The western and southern boundaries of the Project Site are constructed with a chain-link fence. The northern boundary of the Project Site is defined with concrete k-rails that restricted vehicular access from an access gate located at the northern boundary of the Parent Property (City of Sierra Madre). A mobile office trailer and generator were observed within the k-rail barrier area, adjacent to the northern Project Site area. The eastern boundary of the Project Site is defined by an unpaved access road. A stationary rock screen was located at the northern end of the access road.

#### **4.1.3 Adjacent Property Observations**

The adjacent properties to the west are developed with residential dwellings while the areas to the north, east, and south are all part of the Parent Property, currently owned and operated by the City of Sierra Madre as a recreation park (southern portion of APN) and water spreading basins (northern portion of APN). A cellular antenna is located within a block wall containment area farther east.

No evidence of potential environmental conditions that could affect the Project Site was observed on any of the immediately adjacent properties.

## **4.2 UTILITIES**

A yellow-painted, two-inch diameter steel pipeline with a valved connection was observed at the southeast corner of the Project Site. Electrical power lines were observed along the western Project Site boundary. Two small steel utility boxes (likely water valves or irrigation control boxes) were observed located along the fence line at the western margin of the Project Site.

## **4.3 ASBESTOS-CONTAINING MATERIALS**

The use of asbestos in common building materials has been mostly discontinued since the late 1970s. There were no structures observed at the Project Site during the site reconnaissance.

## **4.4 LEAD-BASED PAINT**

The use of lead-based paints (LBP) was common practice in building construction prior to 1978. There were no structures observed at the Project Site during site reconnaissance.

## **4.5 POLYCHLORINATED BIPHENYLS**

The federal Toxic Substances Control Act (TSCA) generally prohibited the domestic manufacturing of polychlorinated biphenyls (PCBs) after 1979. However, hydraulic fluids or dielectric insulating fluids typically found in electrical transformers, hydraulic equipment, capacitors, and similar equipment may contain PCBs if such materials have been present prior to the late 1970s. There were no observed suspected materials to contain hydraulic fluids or dielectric fluids at the Project Site during the site reconnaissance. Pole-mounted electrical transformers were observed to be located adjacent to the southeast corner of the Project Site and along the western property boundary; however, these appeared to be newer-type transformers and in good operating condition.

## 5.0 ENVIRONMENTAL RECORDS REVIEW

Padre researched various publicly-accessed databases or files available at regulatory agencies in the region to evaluate whether soil and groundwater contamination is known or suspected at or adjacent to the Project Site. Regulatory agency databases were obtained from EDR for the Project Site and properties within the ASTM-prescribed radii.

### 5.1 PUBLIC RECORDS REVIEW

#### 5.1.1 State Water Resources Control Board

The State Water Resources Control Board (SWRCB) maintains public information pertaining to permitted Underground Storage Tanks (USTs), Leaking Underground Storage Tank (LUST), and Cleanup Program Sites (CPS) through the online database identified as GeoTracker. Padre reviewed the GeoTracker database for LUST and CPS sites that could pose a potential environmental concern to the Project Site. Based on our review, there was one “closed” LUST and no CPS sites listed in the GeoTracker database located within a one-half mile of the Project Site. A summary of the closed LUST case based on the available information found in the online GeoTracker database is provided below.

**City of Sierra Madre, 621 Sierra Madre Boulevard (approximately 1,400 feet southeast of Project Site boundary).** Three USTs (two gasoline and one diesel fuel) were removed and replaced at this facility in 1998 at which time an unauthorized release of fuel into the environment was identified. Assessment activities were completed by advancing several drill holes in November 2017 and based on soil sample chemical results, it was determined that shallow soil contained residual total petroleum hydrocarbons (TPH). The SWRCB indicated that residual TPH in soil poses low threat to human health and the environment and the depth to groundwater was estimated at 150 feet below ground surface; therefore, the SWRCB closed this LUST case on the basis that the residual TPH concentrations remaining in soil will likely attenuate before reaching groundwater and soil samples collected during the assessment satisfy the SWRCB closure policy limits for direct contact, outdoor air exposure, and indoor air vapor intrusion. This closed LUST does not represent a REC to the Project Site based on the soil as the only media affected and no further action/case closed status.

#### 5.1.2 California Department of Toxic Substances Control

The California Department of Toxic Substances Control (DTSC) maintains the EnviroStor database for known or suspected hazardous waste sites in California. Based on the review of the EnviroStor database, there are currently no active (assessment or remediation) or closed environmental cases at the Project Site.

#### 5.1.3 Environmental Liens or Activity and Use Limitations

According to the EDR Radius report, there are currently no environmental liens or State-registered deed restrictions in effect at the Project Site.



## **5.2 ENVIRONMENTAL DATABASE INFORMATION**

Padre obtained environmental agency listings database information for the Project Site and for properties located within the ASTM-prescribed radii of the Project Site from EDR. The EDR report is included as Appendix C. The purpose of the environmental agency listings database review is to identify whether the Project Site or adjacent sites have been listed on local, state, or federal government database listings or retain historical documentation regarding current and/or past usage that could potentially pertain to RECs. Sites within the ASTM prescribed radii were also reviewed to identify outlying sites that might potentially impact the subsurface soil and/or groundwater conditions beneath the Project Site. The following sections summarize our findings for the required ASTM databases beginning with Federal listings and ending with local listings. Sites listed on additional or supplementary databases not required by the ASTM but reported by EDR were reviewed by Padre but are not summarized below, unless such sites are located within close proximity of the Project Site or could pose an unacceptable environmental risk to the Project Site.

### **5.2.1 National Priorities List - Federal Superfund**

The National Priorities List (NPL) is a U.S. Environmental Protection Agency (U.S. EPA) listing of private, state, and federally owned sites, which have been included on the federal Superfund list for remediation.

- Neither the Project Site nor properties located within a one-mile radius of the Project Site were identified on the NPL, proposed NPL, NPL Liens, or Delisted NPL.

### **5.2.2 U.S. EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)**

The U.S. EPA's CERCLIS Listings are a compilation of sites that have been brought to the attention of the U.S. EPA, through various means, as being possible sites of hazardous waste activity. The CERCLIS listings are an information database and not necessarily an action list.

- Neither the Project Site nor properties located within a one-mile radius of the Project Site were identified on the CERCLIS listings.

### **5.2.3 Federal RCRA - CORRACTS Facilities Listing**

The RCRA Corrective Action (CORRACTS) Sites Listing contains information pertaining to hazardous waste treatment, storage, and disposal facilities (RCRA TSD) which have conducted, or are currently conducting, a corrective action(s) as regulated under RCRA.

- Neither the Project Site nor properties located within a one-mile radius of the Project Site were identified on the CORRACTS List.

## **5.2.4 RCRA - TSD Facilities Listing**

The U.S. EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA-TSD database is a compilation by the U.S. EPA of reporting facilities that transport, treat, store or dispose of hazardous waste.

- Neither the Project Site nor properties located within a one-half mile radius of the Project Site were identified on the RCRA-TSD List.

## **5.2.5 RCRA - LQG's List**

The U.S. EPA's RCRA Program identifies and tracks large quantity generators (LQG's). LQG's generate over 1,000 kilograms (kg) of hazardous waste, or 1 kg acutely hazardous waste per month.

- Neither the Project Site nor properties located within a one-quarter mile of the Project Site were listed on the RCRA-LQG List.

## **5.2.6 RCRA - SQG's List**

The U.S. EPA's RCRA Program identifies and tracks small quantity generators (SQG's). SQG's generate over 100 kg and 1,000 kg of hazardous waste per month.

- Neither the Project Site nor properties located within a one-quarter mile of the Project Site were listed on the RCRA-SQG List.

## **5.2.7 Emergency Response Notification System**

The Emergency Response Notification System (ERNS) contains records on releases of oil and hazardous substances reported to the U.S. EPA and National Response Center of the U.S. Coast Guard.

- The Project Site is not listed on the ERNS List.

## **5.2.8 State Equivalent CERCLIS (formerly Cal-Sites List) / ENVIROSTOR**

The State DTSC and Site Mitigation and Brownfields Reuse Program (SMBRP) have combined databases now identified as EnviroStor. This database includes the formerly known Cal-Sites List, which in turn included the former State of California Abandoned Sites Program Information System (ASPIS) and the BEP databases. The EnviroStor database is a compilation of sites that have been brought to the attention of the California Environmental Protection Agency (Cal EPA), through various means, as being possible sites of hazardous waste activity or contamination. It should be noted that the EnviroStor database is an informational database and not necessarily an action list.

- The Project Site nor properties located within one-mile of the Project Site were not listed in the EnviroStor database.

### 5.2.9 Solid Waste Facility / Landfill Sites

The Solid Waste Information System (SWIS) includes records for active, and closed, inactive Solid Waste Facilities (SWF) and Landfill Sites (LF), including transfer stations, municipal solid waste conversion facilities, and composting sites in California maintained by the California Department of Resources Recycling and Recovery (CalRecycle).

- The Project Site was not identified on CalRecycle's SWIS List.
- Two facilities located within a one-quarter mile of the Project Site are listed in the SWF/LF database:

**Sierra Madre Dump (listed twice at two separate addresses)**

**621 and 631 East Sierra Madre Boulevard**

**Distance: 0.2 miles**

**Direction: South-Southeast**

The facility located with address of 621 East Sierra Madre Boulevard is identified as a closed, limited volume transfer operation site operated by the City of Sierra Madre. Accepted wastes were identified as "green materials, inert, mixed municipal". There is little to no information available regarding the facility identified with the address of 631 East Sierra Madre Boulevard, which may have been a duplicate error associated with the 621 East Sierra Madre Boulevard facility. This listed SWF/LF facility is not expected to pose an environmental concern to the Project Site due to the closed status and the limited operations as a transfer station.

### 5.2.10 Leaking Underground Storage Tanks

The leaking Underground Storage Tank Information System (LUST) records contain an inventory of reported leaking underground storage tanks incidents gathered from local and state (SWRCB) regulatory agencies. These sites are included in the SWRCB's publicly available online GeoTracker data management system.

- The Project Site was not listed in the UST/AST databases.
- Two properties located within a one-quarter mile of the Project Site are listed in the LUST database:

**City of Sierra Madre**

**621 East Sierra Madre Boulevard**

**Distance: 0.202 miles**

**Direction: South-Southeast**

This facility is part of the Parent property owned and operated by the City of Sierra Madre. This LUST case was summarized in the preceding Section 5.1.1 and is not expected to pose an environmental concern to the Project Site.

**LA Co FD Fire Station #1**  
**1901 Stonehouse Road**  
**Distance: 0.351 miles**  
**Direction: East-Northeast**

This facility is listed as a closed LUST case and is located a distance and direction from the Project Site that is not expected to pose an environmental concern to the Project Site.

### **5.2.11 Underground and Aboveground Storage Tank Databases**

The UST and aboveground storage tank (AST) databases maintain an inventory of active and inactive UST and AST facilities gathered from local regulatory agencies. The Facility Inventory Database (CA FID UST) contains a historical listing of active and inactive UST locations from the State Water Resources Control Board (SWRCB). The Hazardous Substance Storage Container Database (Hist UST) is a historical listing of UST sites. The Statewide Environmental Evaluation and Planning System (SWEEPS) is a UST database maintained by the SWRCB during the 1980s; the system is no longer updated or maintained.

- The Project Site was not listed in the UST/AST databases.
- One property located within a one-quarter radius of the Project Site is listed in the AST database:

**City of Sierra Madre**  
**621 East Sierra Madre Boulevard**  
**Distance: 0.202 miles**  
**Direction: South-Southeast**

This facility is part of the Parent property owned and operated by the City of Sierra Madre. This UST/LUST case was summarized in the preceding Section 5.1.1 and is not expected to pose an environmental concern to the Project.

### **5.2.12 Cleanup Program Sites / Spills, Leaks, Investigations, and Cleanup List**

The SWRCB is the agency with jurisdiction over groundwater protection in the region of the Project Site. The SWRCB maintains a Cleanup Programs Sites (CPS) list and a Spills, Leaks, Investigation, and Cleanup (SLIC) list regarding active investigations at non-LUST sites with the potential to affect groundwater quality. These sites are included in the SWRCB's publicly available online GeoTracker data management system.

- The Project Site was not listed in the CPS / SLIC databases (GeoTracker).

- One property located within a one-quarter radius of the Project Site is listed in the CPS / SLIC database:

**Moe's Automotive Service Center**  
**125 Sierra Madre Boulevard**  
**Distance: 0.313 miles**  
**Direction: Southeast**

This facility is listed as a "No further action required" status and is located a distance and direction from the Project Site that is not expected to pose an environmental concern to the Project Site.

### 5.2.13 Brownfields Sites

Brownfields are real properties or the expansion, redevelopment, or reuse of real properties which may be complicated by the presence of hazardous materials or substances. These properties are typically mitigated on a voluntary basis to relieve pressures off undeveloped land to protect the environment, re-invest in the real property, increase local tax bases, and facilitates job growth. Owners of designated Brownfield sites may be eligible for government grants to assist with assessment and cleanup of their sites. Brownfield sites in California are managed by the EPA Region 9 (Pacific Southwest).

- Neither the Project Site nor properties located within a one-half mile from the Project Site were identified in the Brownfields Sites List.

### 5.2.14 Other Ascertainable Records (Project Site and Adjacent Properties)

In addition to the minimum required databases and records searched in accordance with ASTM-1527-13, EDR performed a search of other publicly available database records listed on Pages 5 through 7 of the EDR Radius Map Report (EDR, 2020), including the following common databases and records reviewed during the preparation of a Phase I ESA:

**Historical Dry Cleaners.** A database search of potential dry cleaner sites. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, and wash & dry facilities.

**Facility and Manifest Data (HAZNET).** Facility and management data is extracted from the copies of the hazardous waste manifests received each year by the DTSC.

**Notify 65.** Proposition 65 Notification Records (Notify 65) database contains facility notification about any releases which could impact drinking water and thereby expose the public to a potential health risk.

**Certified Unified Program Agency (CUPA) / California Environmental Reporting System (CERS).** CUPAs are local agencies that are certified by the Secretary of the California EPA (CalEPA) to implement CalEPAs hazardous materials and hazardous waste regulatory program on a local level. CUPAs are responsible for enforcement and oversight of Hazardous

Materials Release Plans and Inventories (Business Plans), California Accidental Release Prevention (CalARP), UST Program, AST program, Hazardous Waste Generator program, and California Uniform Fire Code for Hazardous Materials Management Plans and Hazardous Materials Inventory Statements. Business Plans are required to be submitted to the CalEPA via their online reporting CERS database.

- The Project Site was not listed in the Historical Dry Cleaners, HAZNET, Notify 65 and CUPA databases. The Project Site was listed in the CERS database for hazardous chemical management and as a hazardous waste generator. No further information was available regarding this listing.

### **5.2.15 Orphan Sites**

Orphan sites are sites that cannot be mapped in the EDR Radius Map Report due to poor or inadequate address information. According to the EDR report, there are two orphan sites listed; however, these sites are located a distance greater than one mile from the Project Site and are therefore not expected to pose and environmental concern to the Project Site.

## **5.3 USER PROVIDED INFORMATION**

### **5.3.1 Title Records and Other Available Project Site Documents**

Padre was provided with a copy of a preliminary title report and geotechnical report prepared for the Project Site by REC Solar. There were no environmental liens associated with the City of Sierra Madre property, and the geotechnical report provides background information associated with the planned solar construction project. These documents do not impact or change the results, conclusions and recommendations presented in this Phase I ESA.

### **5.3.2 Owner, Property Manager, and Occupant Information**

According to information available to Padre, the current owner of the Project Site property is the City of Sierra Madre.

Phase I ESA User Questionnaires (Landowner Liability Protections) were completed by Mr. Thomas Cemo (REC Solar) and Mr. James McRacken (Duke Energy). The responses to the User Questionnaires did not indicate known environmental liens, activity and use limitations, or other ascertainable information that could be a Recognized Environmental Condition associated with the Project Site.

Padre's Phase I ESA Current Owner Questionnaire was completed by Mr. James Carlson, Management Analyst with the City of Sierra Madre. Based on Mr. Carlson's responses to the Current Owner Questionnaire, the Project Site area has been owned and maintained by the City of Sierra Madre for approximately 89 years. The current use of the Project Site "vacant, slightly improved" for groundwater recharge (settling basins) and the Project Site is zoned "Institutional". There are no wetlands, sensitive lands, or surface water, and there are no known underground utilities with the Project Site boundary. Previous uses were identified as settling

basin for ground water recharge. Questions pertaining to current and past industrial uses, use and storage of wastewater treatment-associated chemicals, ponds, registered storage tanks, current and past uses of hazardous substances, discharge of waste water, and other related questions were all answered “No”. However, according to the questionnaire, the adjacent areas (Parent Property) include fueling stations, storage, temporary waste storage, and water treatment and may have at some time stored or generated hazardous substances or petroleum products. Questions 7A and 7B regarding fill dirt originating from a contaminated site or unknown origin were both answered “No”. Questions 8A and 8B regarding pits, ponds, or lagoons associated with waste treatment or waste disposal were both answered “No” since the basins formerly occupying the Project Site were used exclusively for groundwater recharge purposes. The information provided by Mr. Carlson confirms the findings of this Phase I ESA based on the review of available historical information for the Project Site.

The completed questionnaires are provided as Appendix D – Phase I ESA Questionnaires.

### **5.3.3 Specialized Knowledge**

Mr. James Carlson, City of Sierra Madre, contacted REC Solar via email correspondence regarding the recent grading activities and soil stockpiles observed at the Project Site on September 22, 2020. Mr. Carlson informed REC Solar that import fill material placed at the Project Site originated from public works water projects, water leak repairs, and minor other street repairs within the City of Sierra Madre.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the scope of services performed for this ESA, Padre makes the following conclusions regarding the Project Site.

### 6.1 CURRENT CONDITIONS AND HISTORICAL SITE BACKGROUND

Padre completed a Phase I ESA for the planned solar photovoltaic construction site located within the City of Sierra Madre-owned property located at 611 East Sierra Madre Boulevard, Sierra Madre, Los Angeles County, California. The planned solar array system will cover approximately 1.8 acres of land to be leased within the northwest area of APN 5766-005-903.

The Project Site is currently undeveloped (with respect to structures) and was recently partially graded to facilitate the construction of the solar array systems. The area of the Project Site formerly included three groundwater recharge basins.

Adjacent properties to the west are developed with residential dwellings while the areas to the north, east, and south are all part of the Parent Property, currently owned and operated by the City of Sierra Madre as a recreation park (southerner portion of APN) and groundwater recharging basins (northern portion of APN).

In general, the surrounding areas from the Project Site consist of developed residential properties and light retail/commercial properties.

No evidence of underground or aboveground storage tanks (used for fuel or oil) or storage and generation of hazardous materials were observed at the Project Site. No evidence of dumping (with exception of soil stockpiles as noted previously), pits, spills, and/or or leaks of chemicals in the form of stained soil or stressed vegetation was observed at the Project Site. According to CalGEM records, no oil wells or historic oil well drilling activities were located on the Project Site.

The City of Sierra Madre (parent property to Project Site) was identified on three environmental databases and listings reviewed including: SWRCB LUST List, UST List, and SWF/LF Lists. The LUST/UST listing was for the removal of three USTs in 1998 and subsequent soil assessment completed in 2017. Based on the results of the soil assessment, the SWRCB closed the LUST case. There was little information regarding the SWF/LF listing; however, it appears the City of Sierra Madre historically operated a green material, inert, and mixed municipal transfer facility. These environmental listings are not expected to pose an environmental concern to the Project Site due to the closed status and distance from all three listings (located closer to Sierra Madre Boulevard).

No impacted environmental sites were identified adjacent to or within close proximity to the Project Site that would be considered to pose a REC to the Project Site.



Based on a review of readily available historical information, the Project Site was undeveloped land circa 1964 when groundwater recharge ponds were constructed within the Project Site area and to the east of the Project Site. The groundwater recharge ponds did not change in configuration until the late 1980s when the southernmost pond was backfilled, a portion of which was developed into a baseball field (adjacent area to south of Project Site). The two remaining groundwater recharge basins occupying the Project Site remained relatively unchanged through mid-2020, when backfilling of the ponds began. Based on the site observation on September 22, 2020, the backfilling operations appeared to be ongoing.

## **6.2 DATA GAPS**

All the areas at the Project Site were accessible to Padre. The information obtained and available to Padre during the preparation of this Phase I ESA is considered acceptable and complete in accordance with the ASTM E-1527-13 Standard. There were no data gaps identified during the preparation of this Phase I ESA for the Project Site.

## **6.3 ENVIRONMENTAL CONDITIONS**

Padre did not identify any Recognized Environmental Conditions directly associated with the Project Sites or to the Project Sites by adjacent properties.

## **6.4 RECOMMENDATIONS**

An evaluation of soil vapor intrusion is not recommended for the Project Site based on the following information:

- There were no documented open LUST cases or the threat of soil and/or groundwater contamination within at least a one-half mile radius of the Project Site;
- There are currently no underground or aboveground structures or features at the Project Site; and
- There are no tenantable / habitable structures associated with the planned solar system project to be constructed at the Project Site.

Padre makes no further recommendations regarding the Project Site for the intended use as photovoltaic solar array systems. Environmental conditions should be reviewed in the event that a change in land use is proposed.

## 7.0 LIMITATIONS

This report has been prepared for the sole benefit of REC Solar Commercial Corporation (the Client), a Duke Energy Renewables Company; and Duke Energy Renewables Commercial, LLC; Westbound Solar 2, LLC; Skyhigh Sun 2, LLC; and Goldman Sachs/Special Situations Group. No other persons may rely on the findings of this report without the expressed written consent of the client and/or Padre Associates, Inc.

In performing our professional services, we have attempted to apply present engineering and scientific judgment and use a level of effort consistent with the standard of practice measured on the date of work and in locale of the Project Site for similar type studies. Padre Associates, Inc. makes no warranty, express or implied.

The analyses and interpretations presented in this report have been developed based on the results from the review of existing information pertaining to the Project Site.

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## 8.0 REFERENCES

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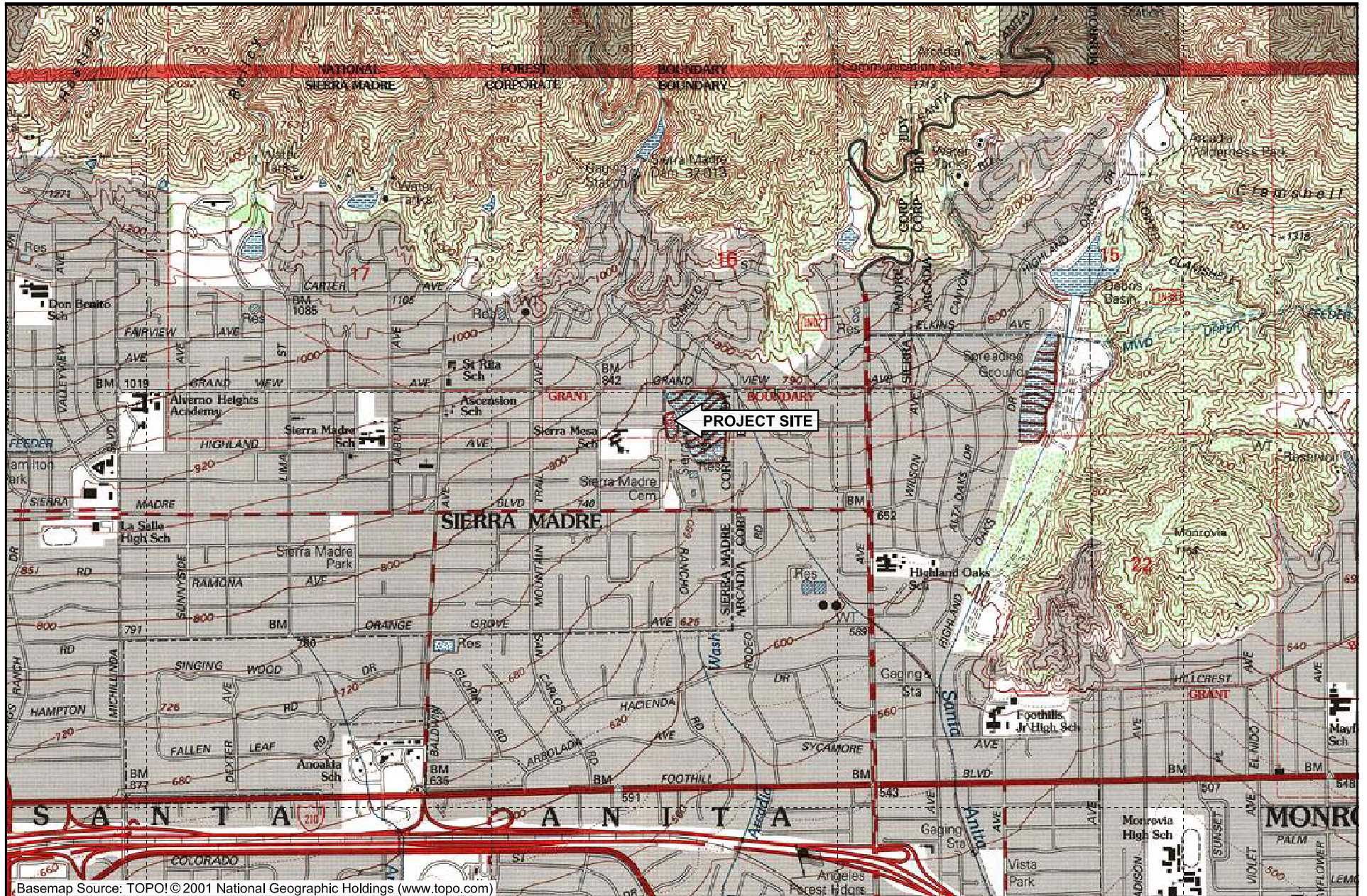
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## PLATES

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Basemap Source: TOPO! © 2001 National Geographic Holdings (www.topo.com)

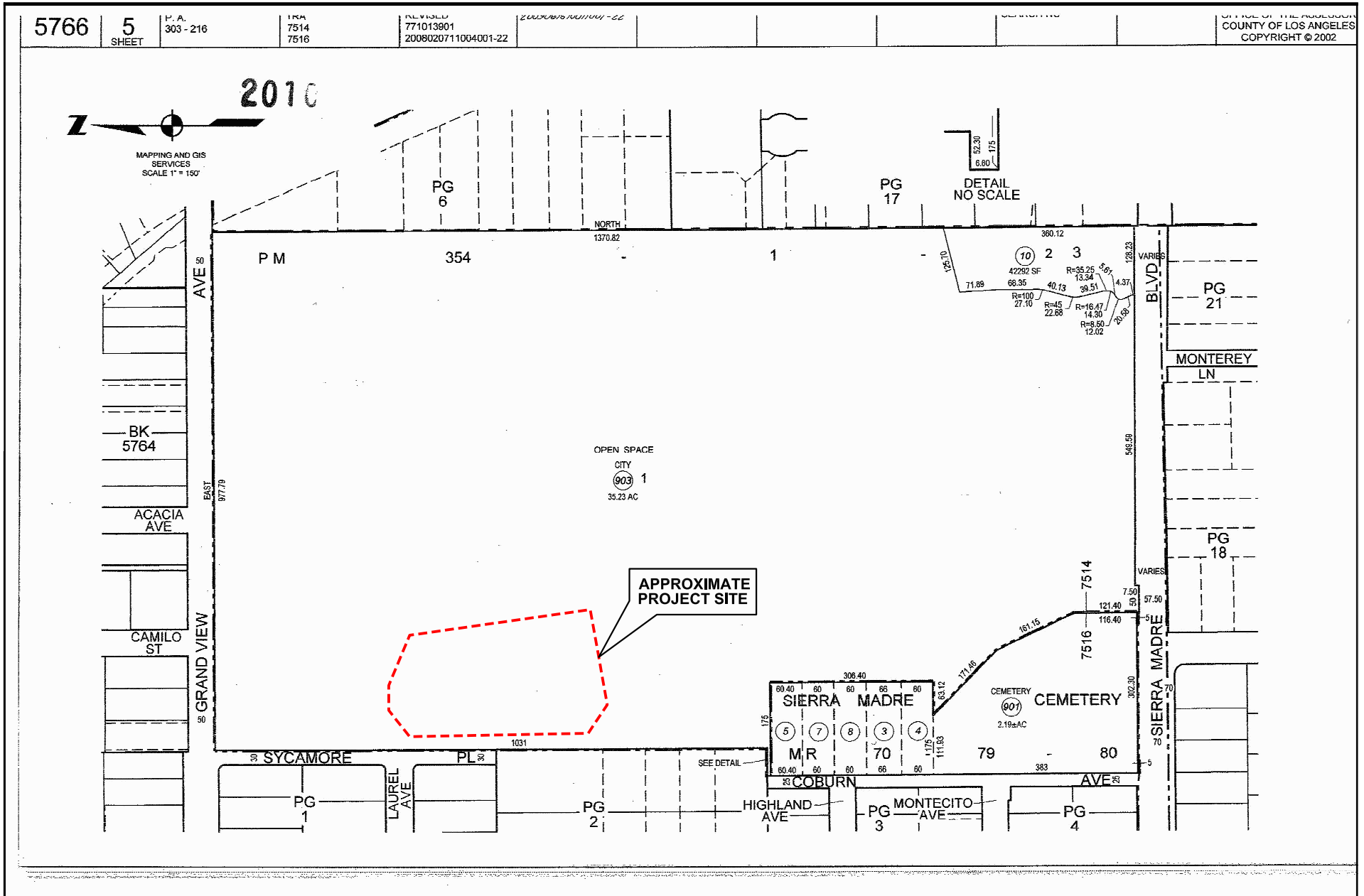
**padre**  
associates, inc.

ENGINEERS, GEOLOGISTS &  
ENVIRONMENTAL SCIENTISTS

REC Solar  
611 Sierra Madre Blvd., Sierra Madre, CA

SITE LOCATION MAP  
PLATE 1





**APPENDIX A  
SITE PHOTOGRAPHS**

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Photo 1. South view of Project Site from adjacent area to the north (Project Site on south side of K-rails).



Photo 2. South view of Project Site along western boundary.



Photo 3. Eastern view of Project Site from central west area (ponded water from construction activities).



Photo 4. North-northeast view from southwest area (soil/rock screener in background).



Photo 5. South view of southernmost area of Project Site (baseball field in background).



Photo 6. North view of Project Site from southwest corner.



Photo 7. Adjacent area to east-northeast of Project Site.



Photo 8. West view of Project Site from central area.

**APPENDIX B  
HISTORICAL INFORMATION**

- B1: AERIAL PHOTOGRAPHS**
  - B2: SANBORN MAP COVERAGE**
  - B3: TOPOGRAPHIC MAPS**
  - B4: CITY DIRECTORY ABSTRACT**
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**APPENDIX B1  
AERIAL PHOTOGRAPHS**

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## **Solar Array Construction**

611 Sierra Madre Boulevard

Sierra Madre, CA 91024

Inquiry Number: 6191027.8

September 14, 2020

# The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

09/14/20

**Site Name:**

Solar Array Construction  
611 Sierra Madre Boulevard  
Sierra Madre, CA 91024  
EDR Inquiry # 6191027.8

**Client Name:**

Padre Associates, Inc  
369 Pacific Street  
San Luis Obispo, CA 93401  
Contact: Chris Prevost



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

## Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: June 06, 2002	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 15, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: February 05, 1979	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 08, 1970	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: September 22, 1964	USGS
1954	1"=500'	Flight Date: August 31, 1954	USDA
1952	1"=500'	Flight Date: July 12, 1952	USGS
1948	1"=500'	Flight Date: July 06, 1948	USGS
1938	1"=500'	Flight Date: May 06, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR

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INQUIRY #: 6191027.8

YEAR: 2016

— = 500'





INQUIRY #: 6191027.8

YEAR: 2012

— = 500'





INQUIRY #: 6191027.8

YEAR: 2009

— = 500'



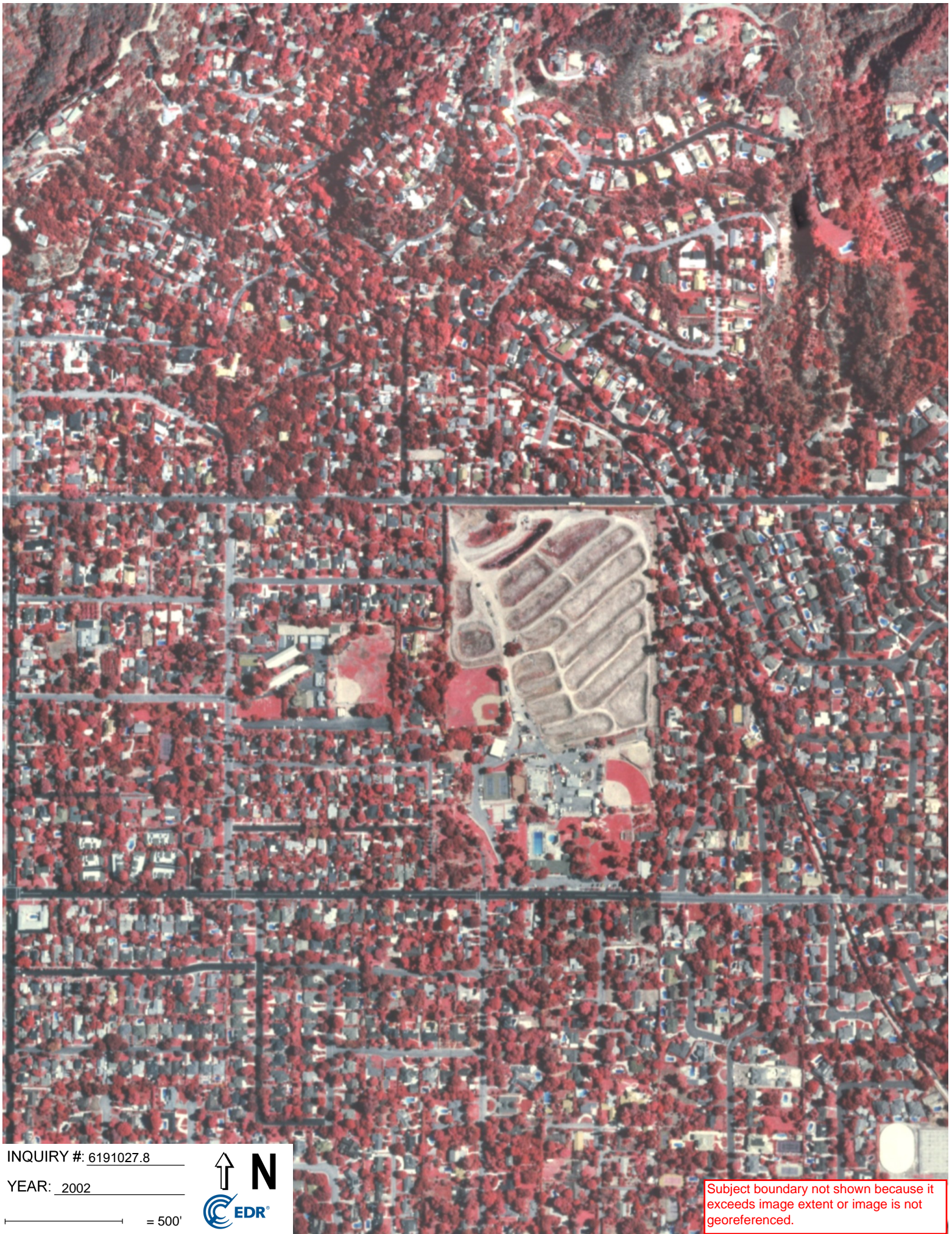


INQUIRY #: 6191027.8

YEAR: 2005

— = 500'





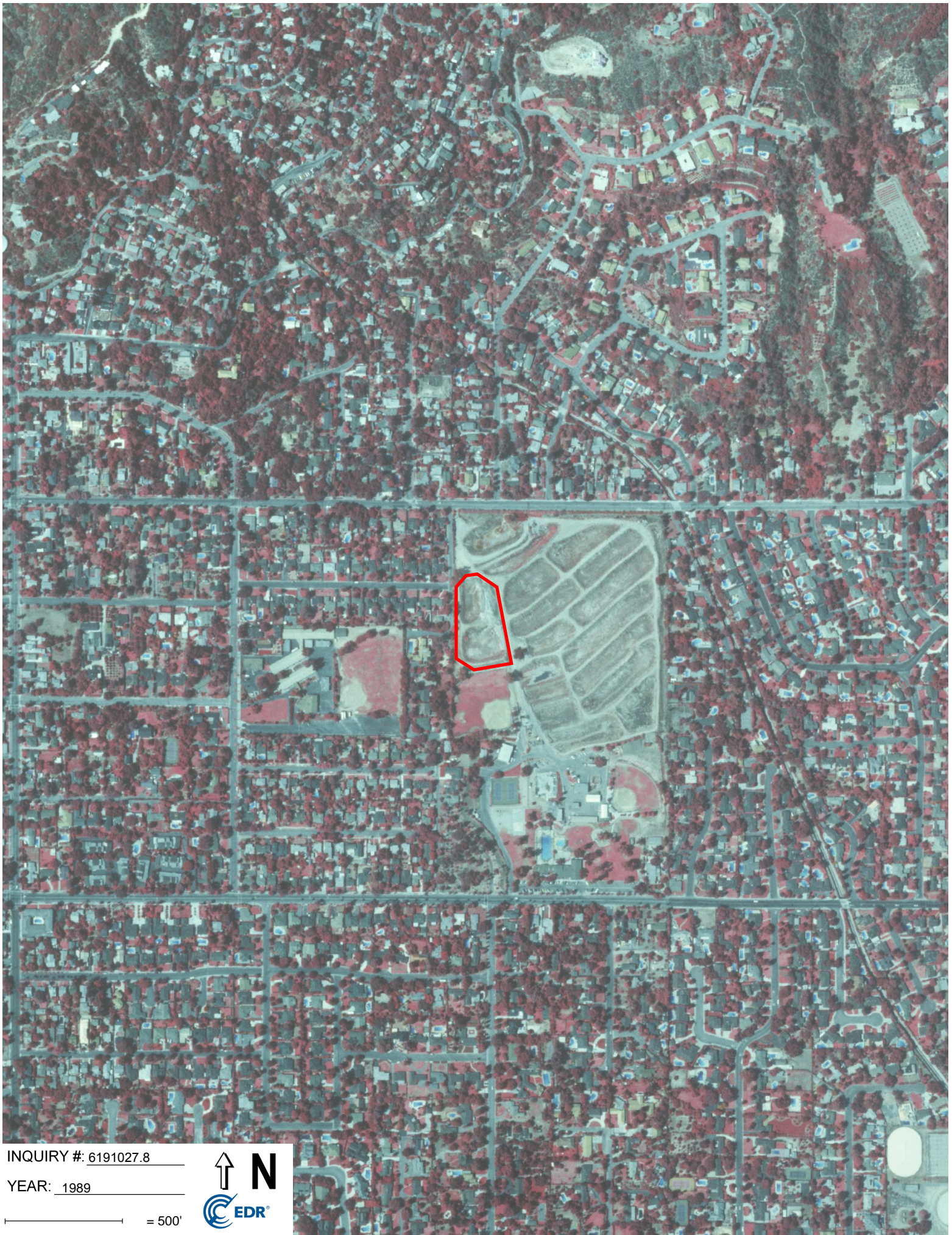
INQUIRY #: 6191027.8

YEAR: 2002

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



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YEAR: 1989

— = 500'



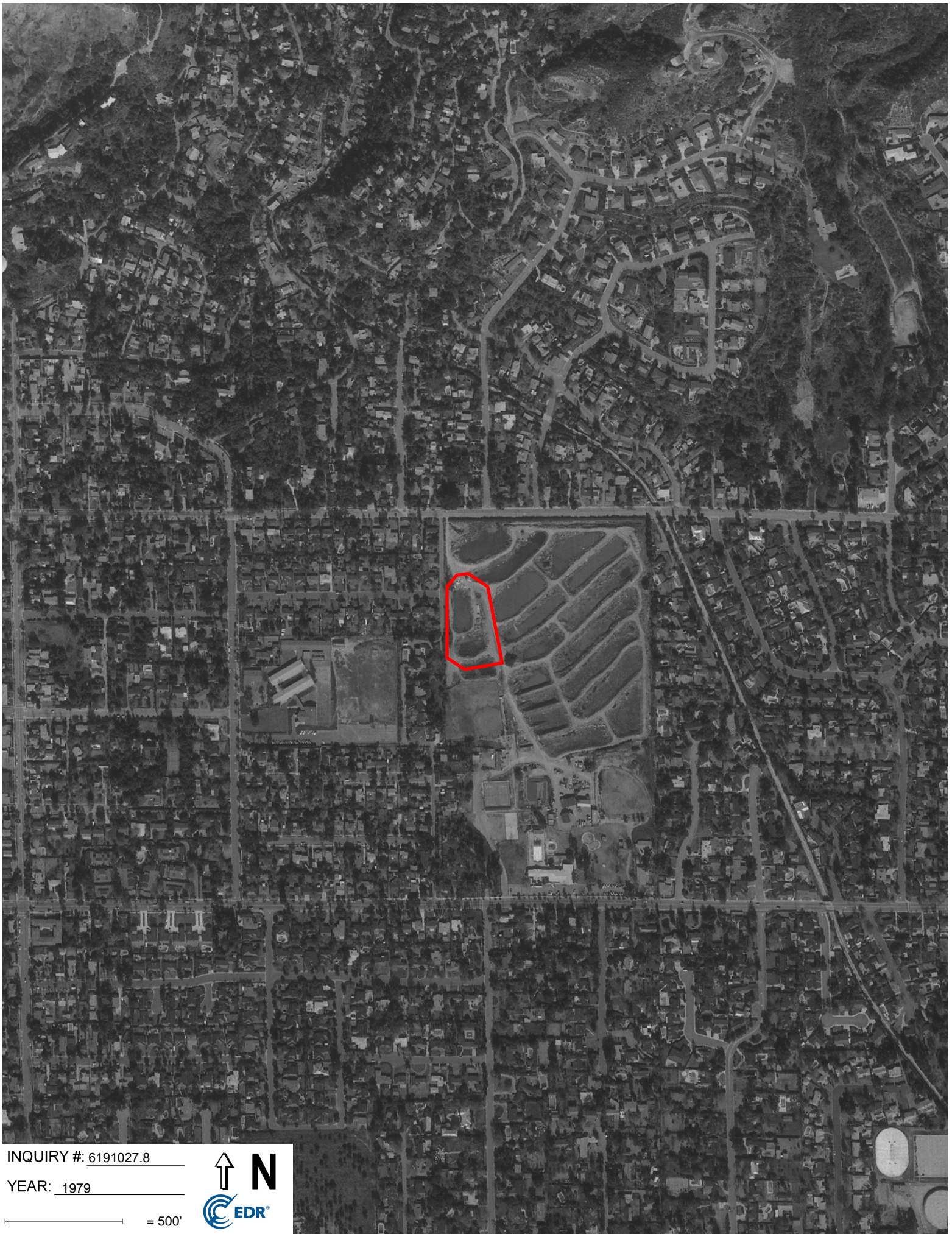


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YEAR: 1981

— = 500'





INQUIRY #: 6191027.8

YEAR: 1979

— = 500'







INQUIRY #: 6191027.8

YEAR: 1970

— = 500'



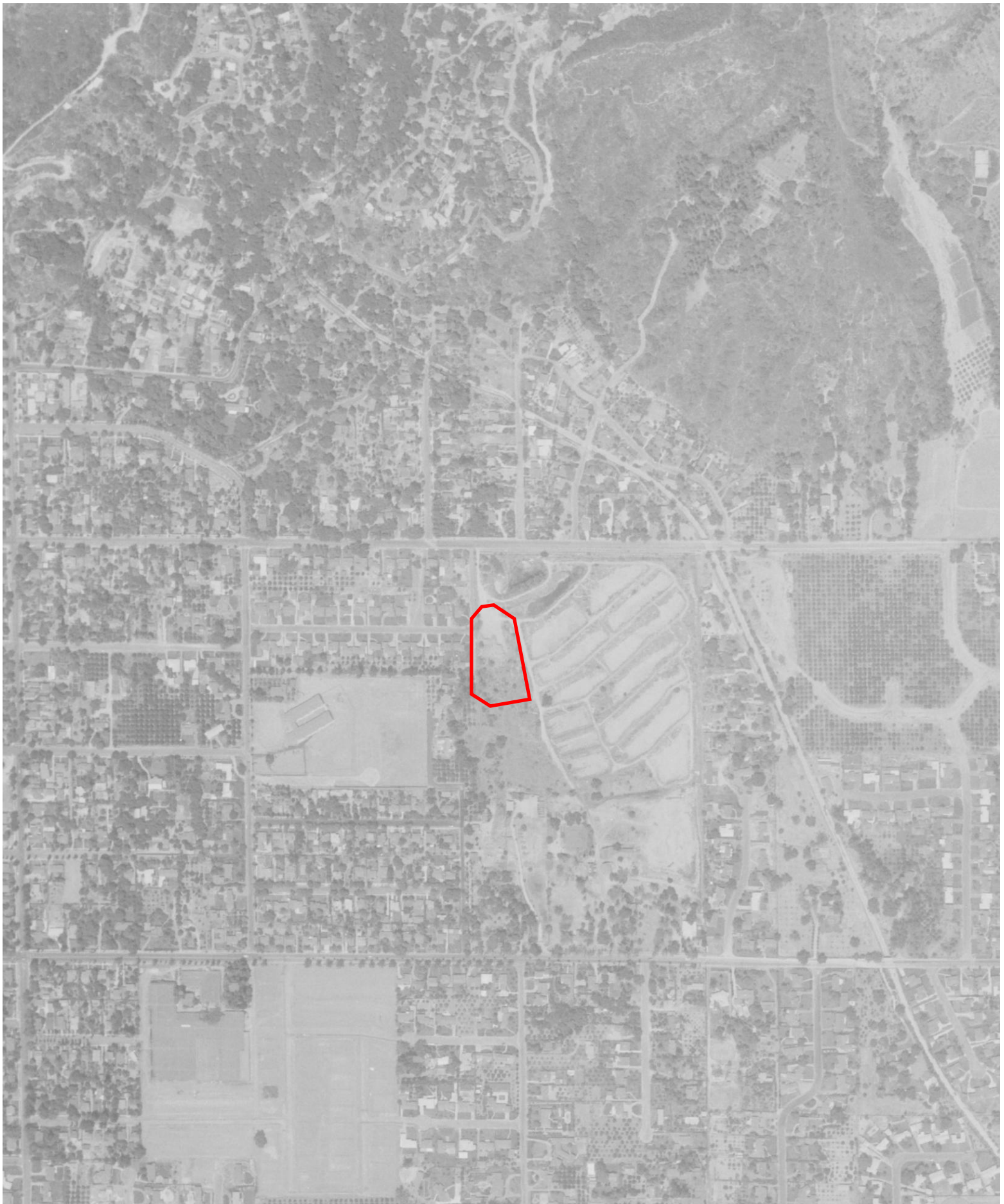


INQUIRY #: 6191027.8

YEAR: 1964

— = 500'





INQUIRY #: 6191027.8

YEAR: 1954

 = 500'





INQUIRY #: 6191027.8

YEAR: 1952

— = 500'





INQUIRY #: 6191027.8

YEAR: 1948

 = 500'



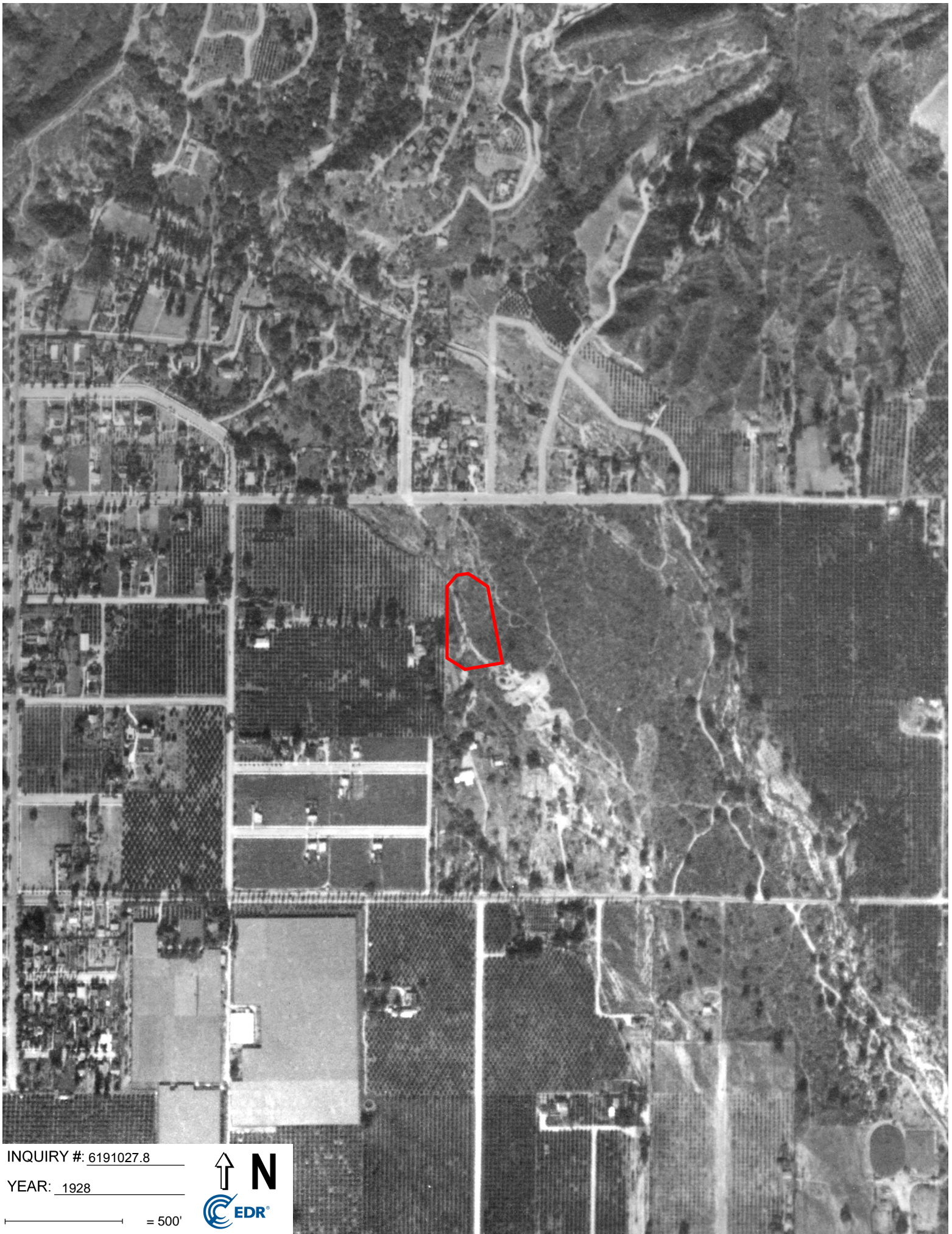


INQUIRY #: 6191027.8

YEAR: 1938

— = 500'





INQUIRY #: 6191027.8

YEAR: 1928


— = 500'



**APPENDIX B2  
SANBORN MAP COVERAGE**

---





Solar Array Construction  
611 Sierra Madre Boulevard  
Sierra Madre, CA 91024

Inquiry Number: 6191027.3  
September 14, 2020

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

09/14/20

**Site Name:**

Solar Array Construction  
611 Sierra Madre Boulevard  
Sierra Madre, CA 91024  
EDR Inquiry # 6191027.3

**Client Name:**

Padre Associates, Inc  
369 Pacific Street  
San Luis Obispo, CA 93401  
Contact: Chris Prevost



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Padre Associates, Inc were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** 3B2C-4BDA-922B  
**PO #** 2001-6971  
**Project** REC Solar\_Sierra Madre Phase I

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 3B2C-4BDA-922B

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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**APPENDIX B3  
TOPOGRAPHIC MAPS**

---



Solar Array Construction  
611 Sierra Madre Boulevard  
Sierra Madre, CA 91024

Inquiry Number: 6191027.4  
September 14, 2020

# EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

09/14/20

**Site Name:**

Solar Array Construction  
611 Sierra Madre Boulevard  
Sierra Madre, CA 91024  
EDR Inquiry # 6191027.4

**Client Name:**

Padre Associates, Inc  
369 Pacific Street  
San Luis Obispo, CA 93401  
Contact: Chris Prevost



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Padre Associates, Inc were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	2001-6971	<b>Latitude:</b>	34.165357 34° 9' 55" North
<b>Project:</b>	REC Solar_Sierra Madre Phas	<b>Longitude:</b>	-118.041318 -118° 2' 29" West
		<b>UTM Zone:</b>	Zone 11 North
		<b>UTM X Meters:</b>	404021.31
		<b>UTM Y Meters:</b>	3780980.51
		<b>Elevation:</b>	767.80' above sea level

**Maps Provided:**

2012	1933
1995	1928
1994	1900
1988	1896
1972	1894
1966	
1953	
1941	

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## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **2012 Source Sheets**



Mount Wilson  
2012  
7.5-minute, 24000

### **1995 Source Sheets**



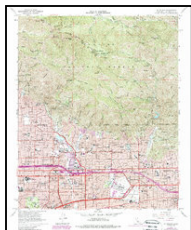
Mount Wilson  
1995  
7.5-minute, 24000  
Aerial Photo Revised 1994

### **1994 Source Sheets**



Mt. Wilson  
1994  
7.5-minute, 24000  
Aerial Photo Revised 1986

### **1988 Source Sheets**

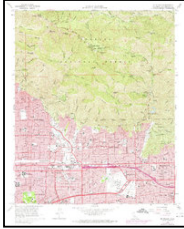


Mt. Wilson  
1988  
7.5-minute, 24000  
Aerial Photo Revised 1986

## Topo Sheet Key

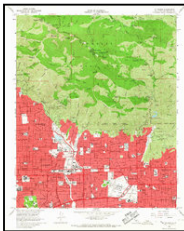
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1972 Source Sheets



Mt. Wilson  
1972  
7.5-minute, 24000  
Aerial Photo Revised 1972

### 1966 Source Sheets



Mt. Wilson  
1966  
7.5-minute, 24000  
Aerial Photo Revised 1964

### 1953 Source Sheets



Mt. Wilson  
1953  
7.5-minute, 24000  
Aerial Photo Revised 1952

### 1941 Source Sheets



Sierra Madre  
1941  
7.5-minute, 24000

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1933 Source Sheets



Sierra Madre  
1933  
7.5-minute, 24000

### 1928 Source Sheets

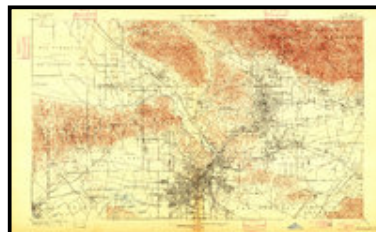


Sierra Madre  
1928  
7.5-minute, 24000

### 1900 Source Sheets



Pasadena  
1900  
15-minute, 62500



Los Angeles  
1900  
15-minute, 62500

### 1896 Source Sheets



Pasadena  
1896  
15-minute, 62500



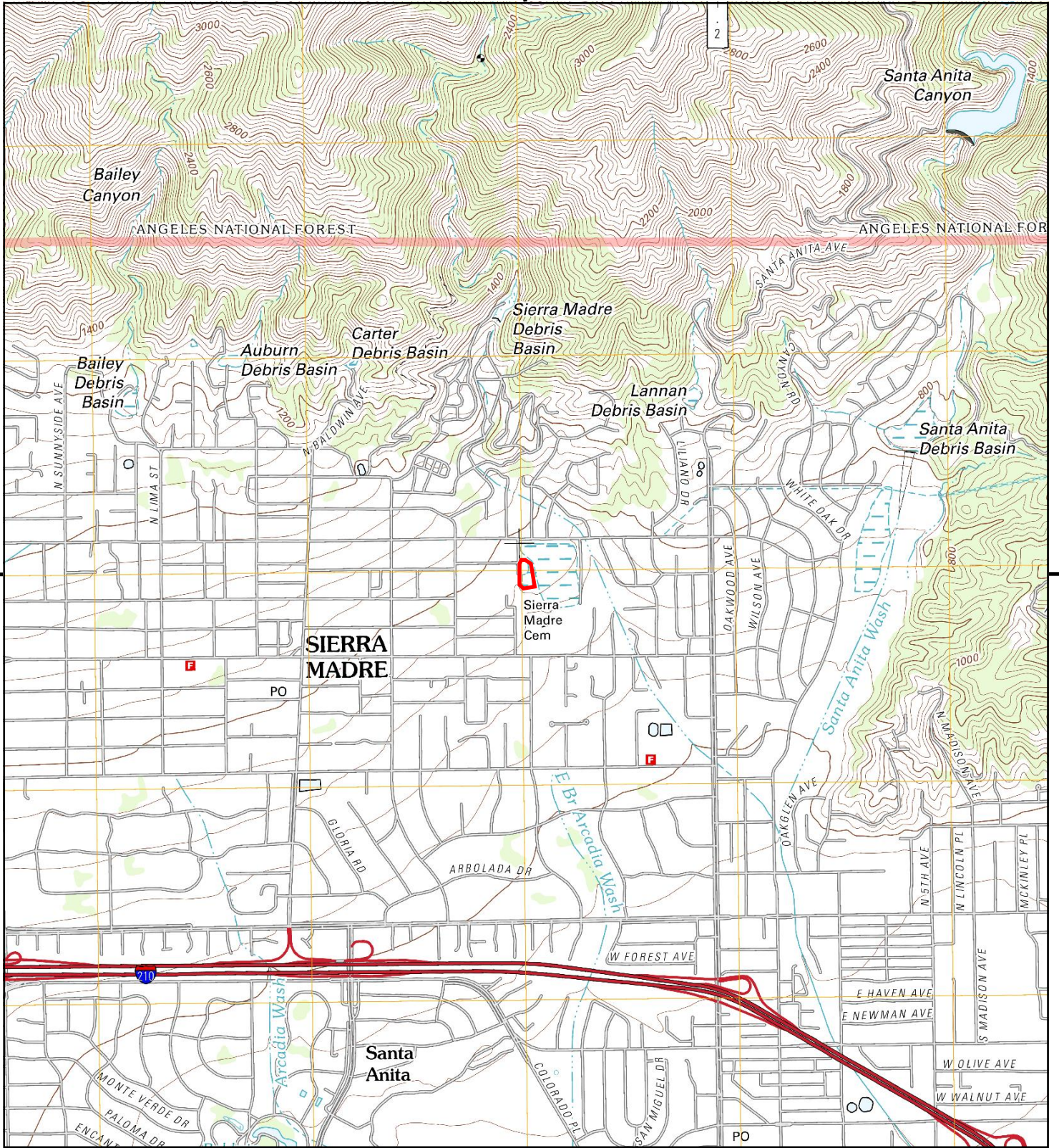
## ***Topo Sheet Key***

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

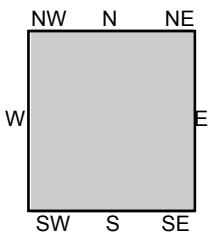
### **1894 Source Sheets**



Los Angeles  
1894  
15-minute, 62500



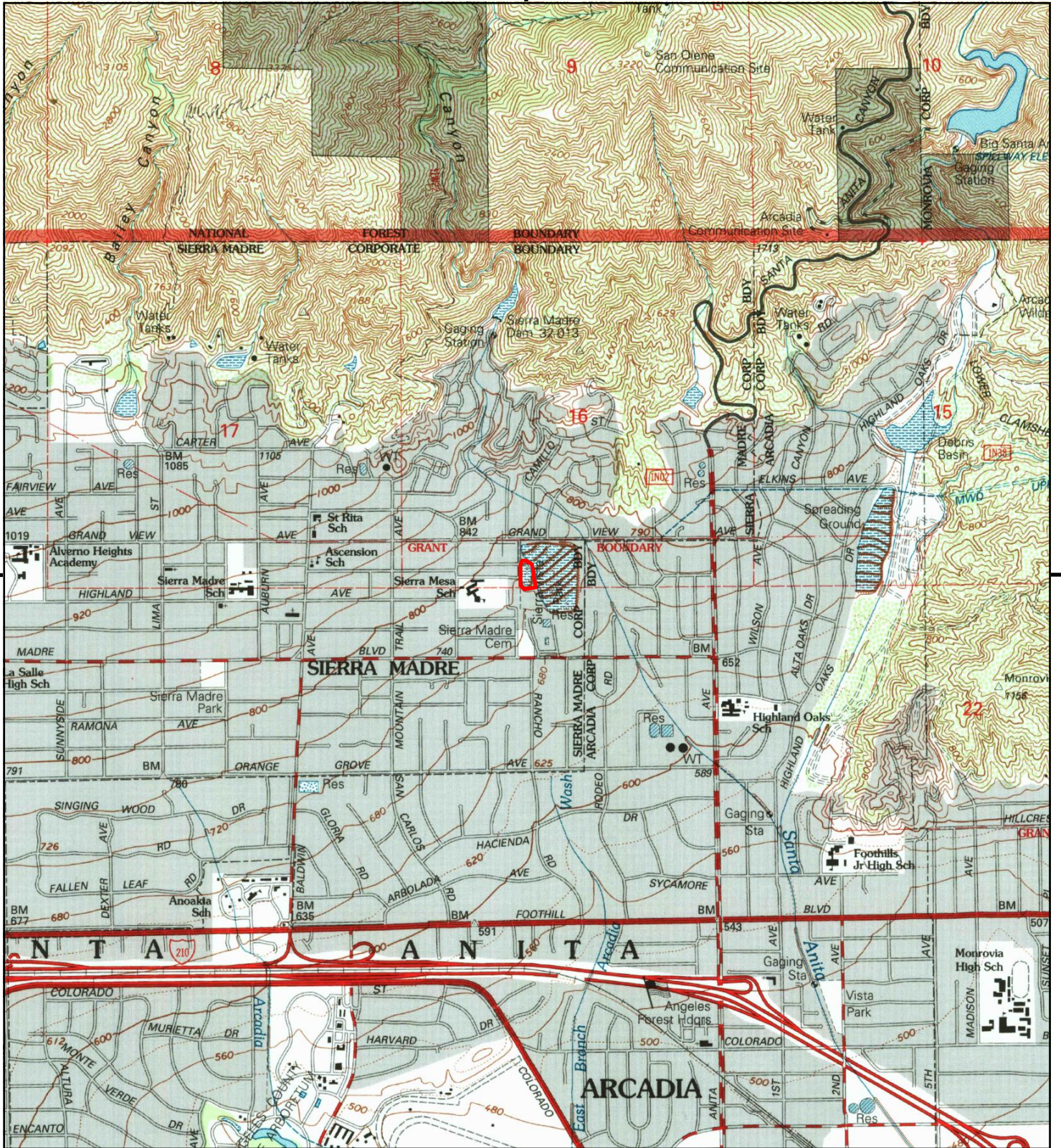
This report includes information from the following map sheet(s).



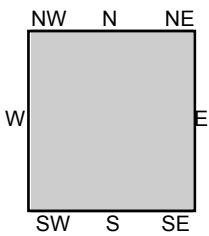
TP, Mount Wilson, 2012, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





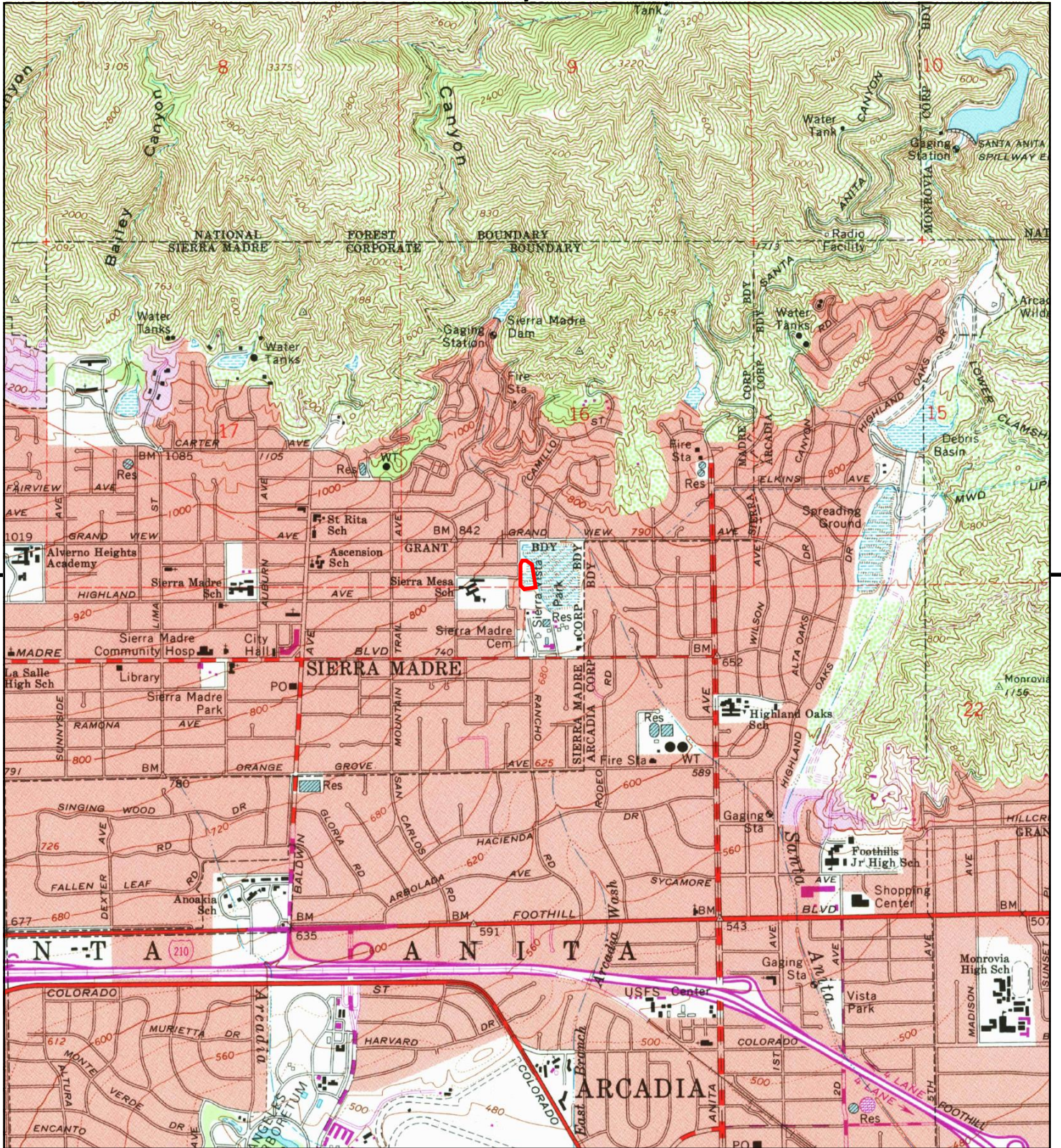
This report includes information from the following map sheet(s).



TP, Mount Wilson, 1995, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





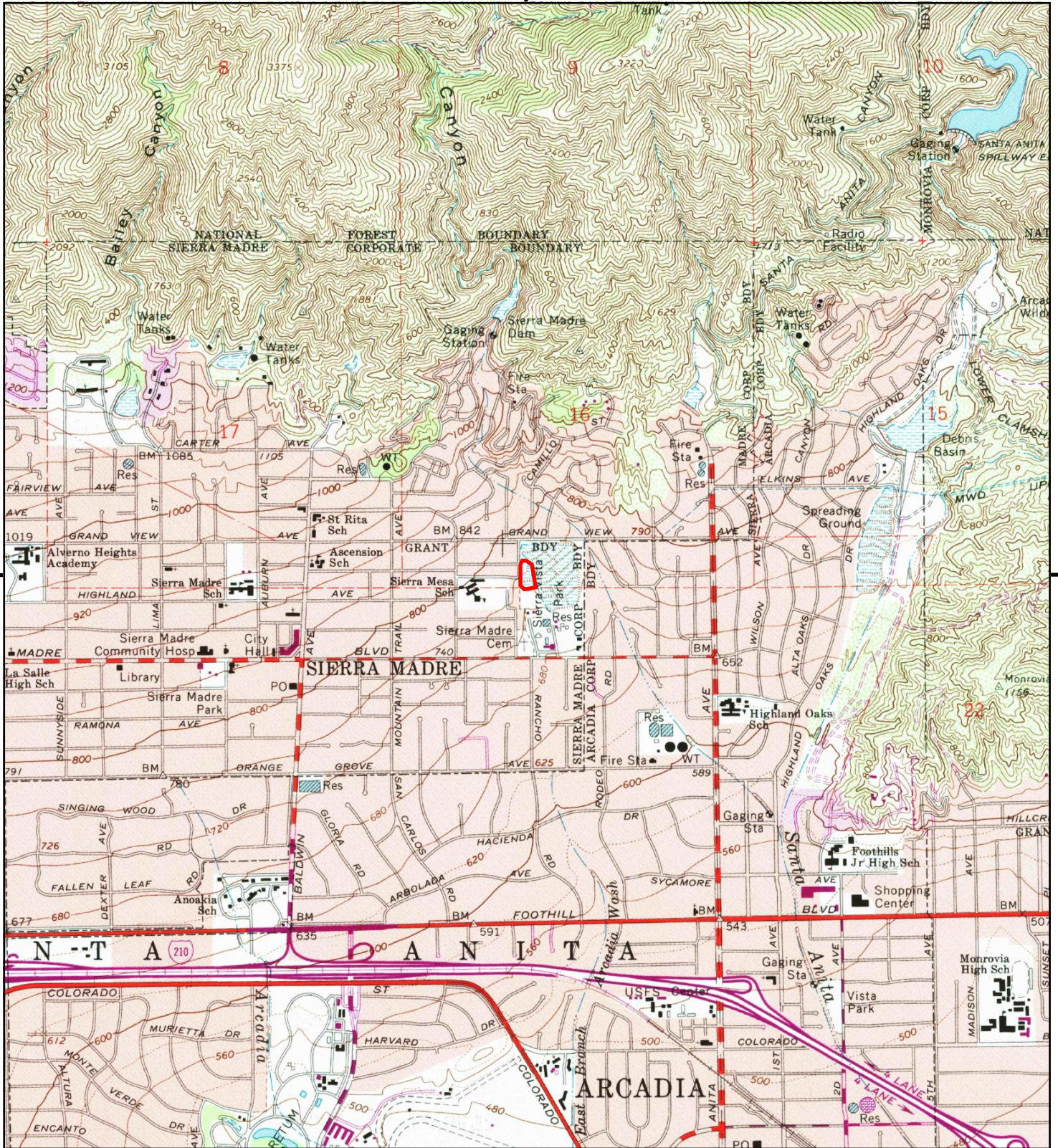
This report includes information from the following map sheet(s).



TP, Mt. Wilson, 1994, 7.5-minute

SITE NAME: Solar Array Construction  
 ADDRESS: 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
 CLIENT: Padre Associates, Inc





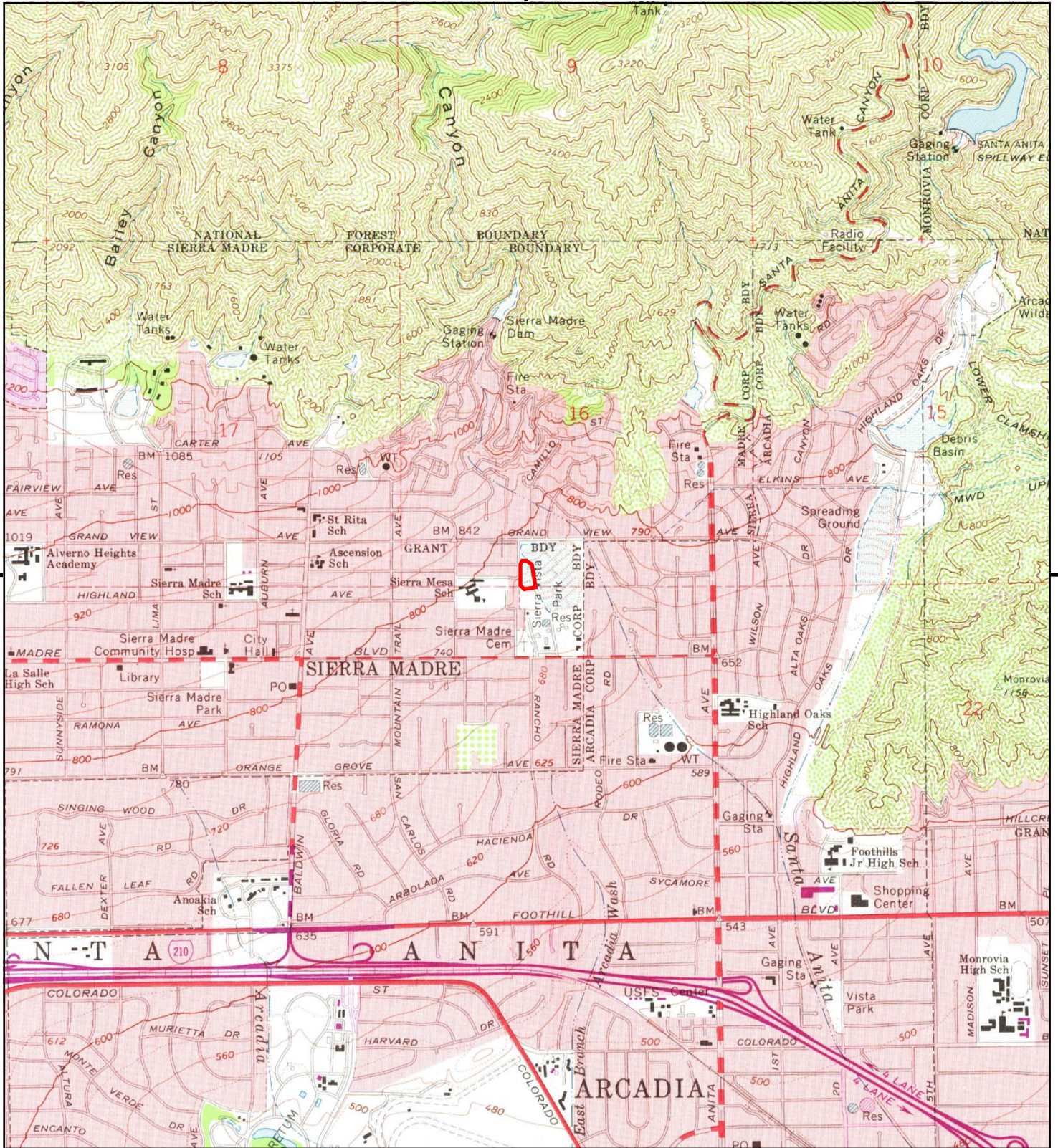
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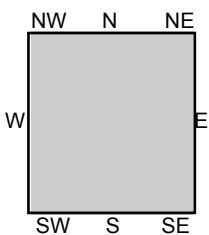
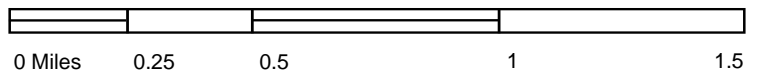
TP, Mt. Wilson, 1988, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





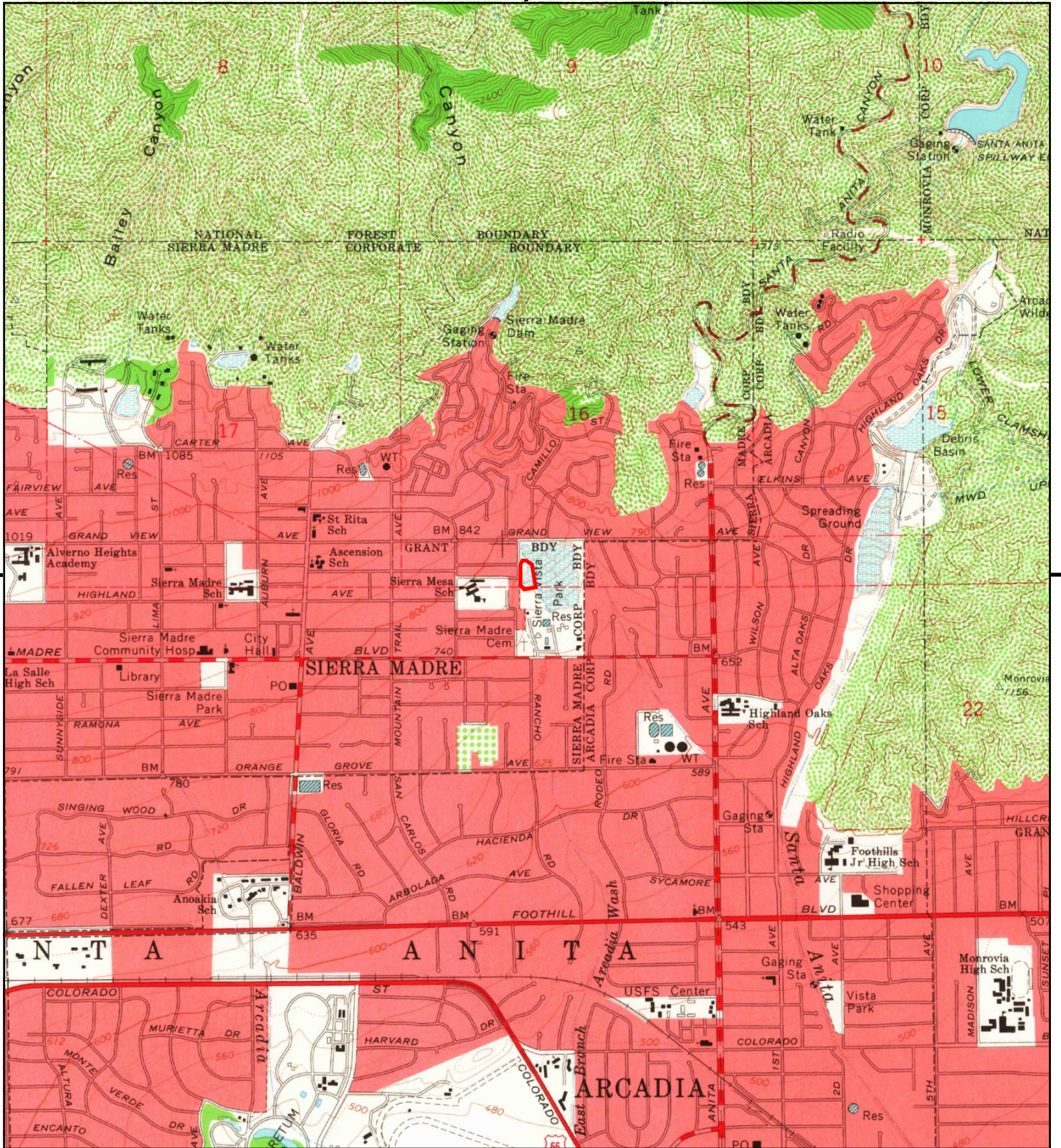
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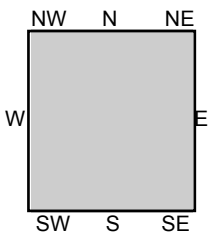
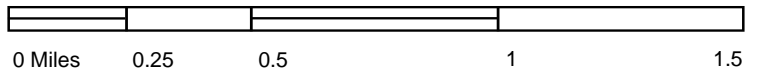
TP, Mt. Wilson, 1972, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





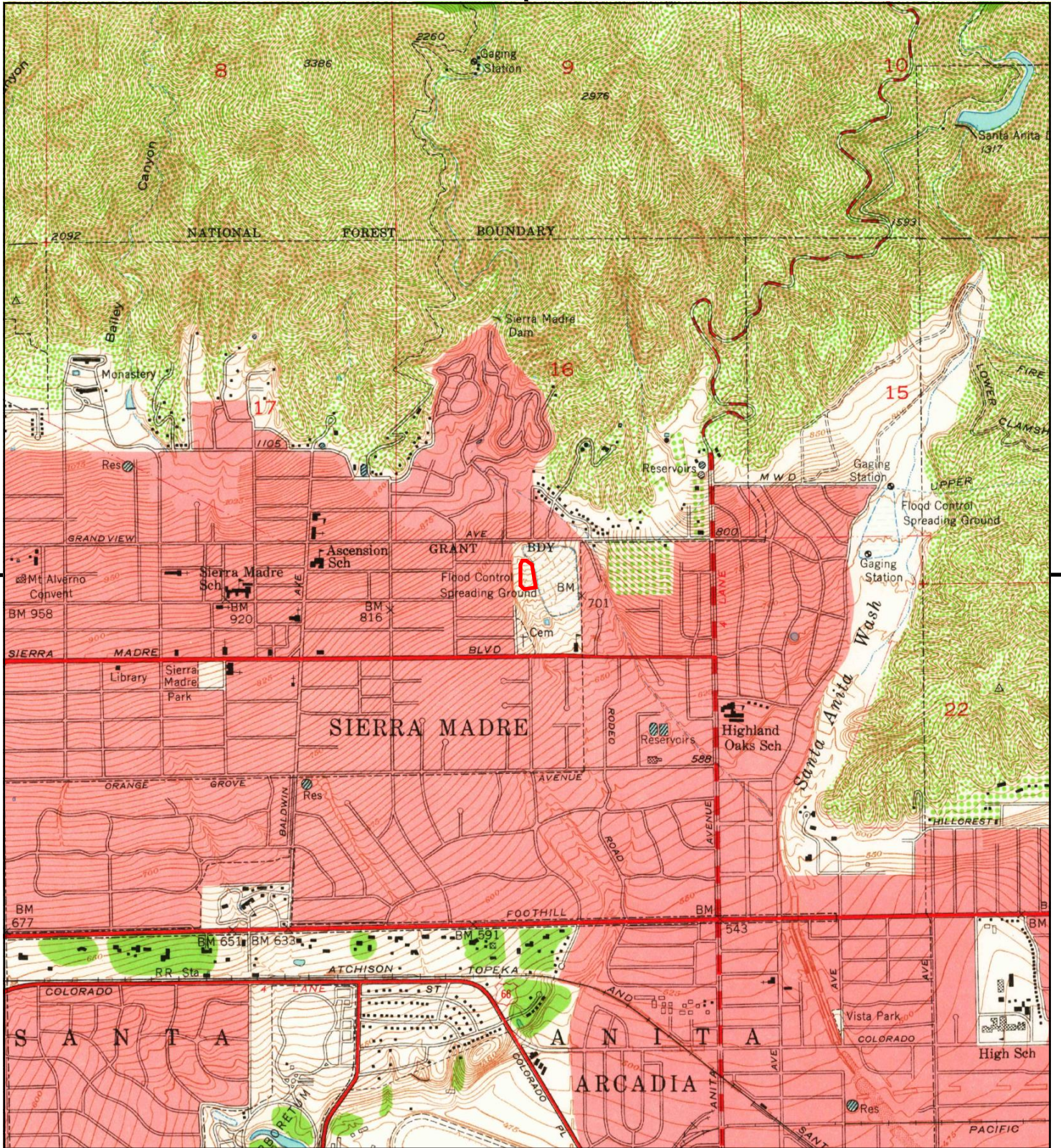
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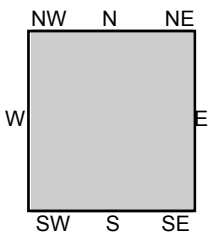
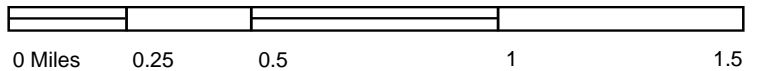
TP, Mt. Wilson, 1966, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





This report includes information from the following map sheet(s).

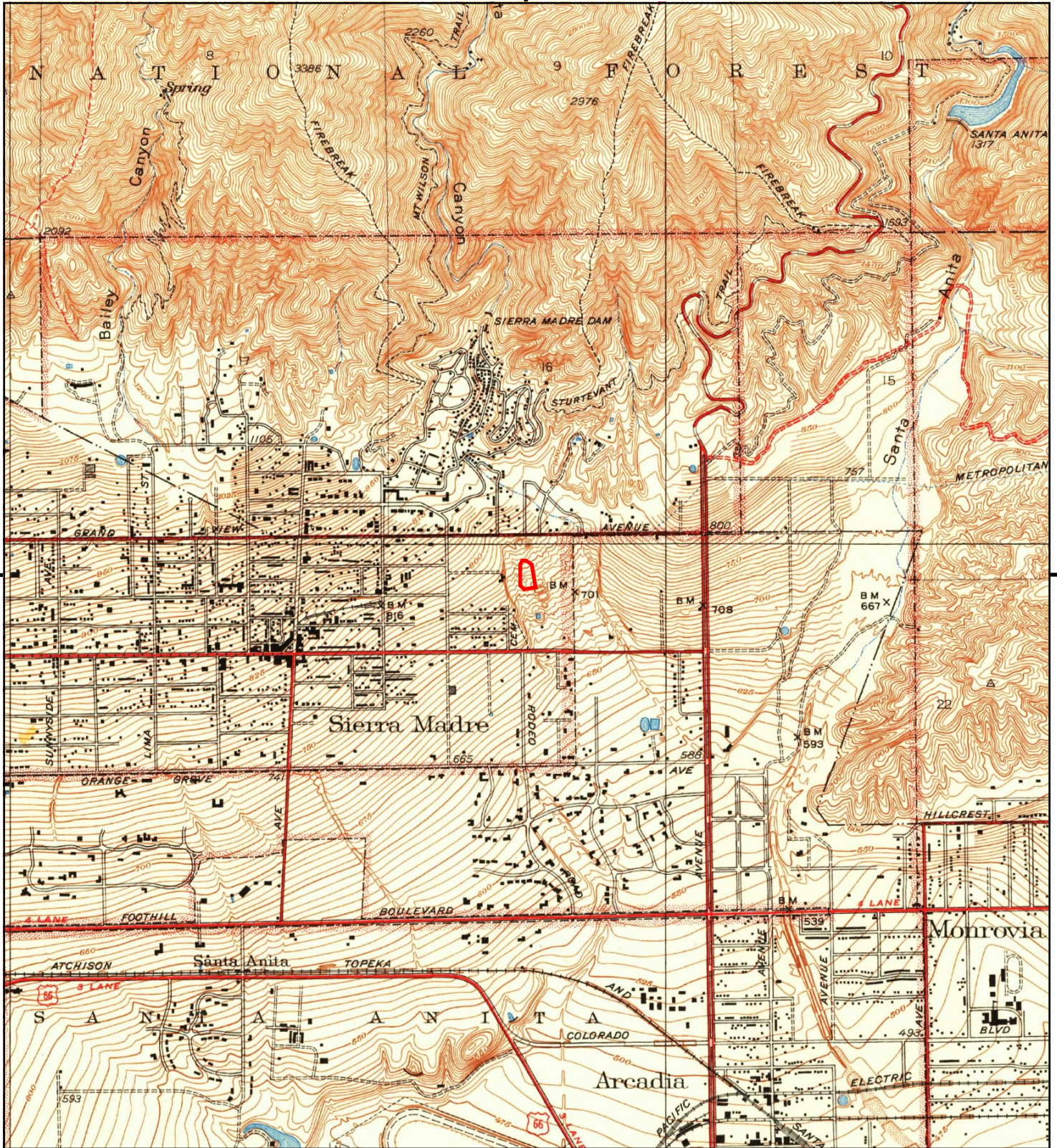


TP, Mt. Wilson, 1953, 7.5-minute

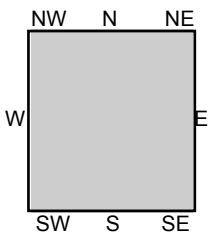
**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc







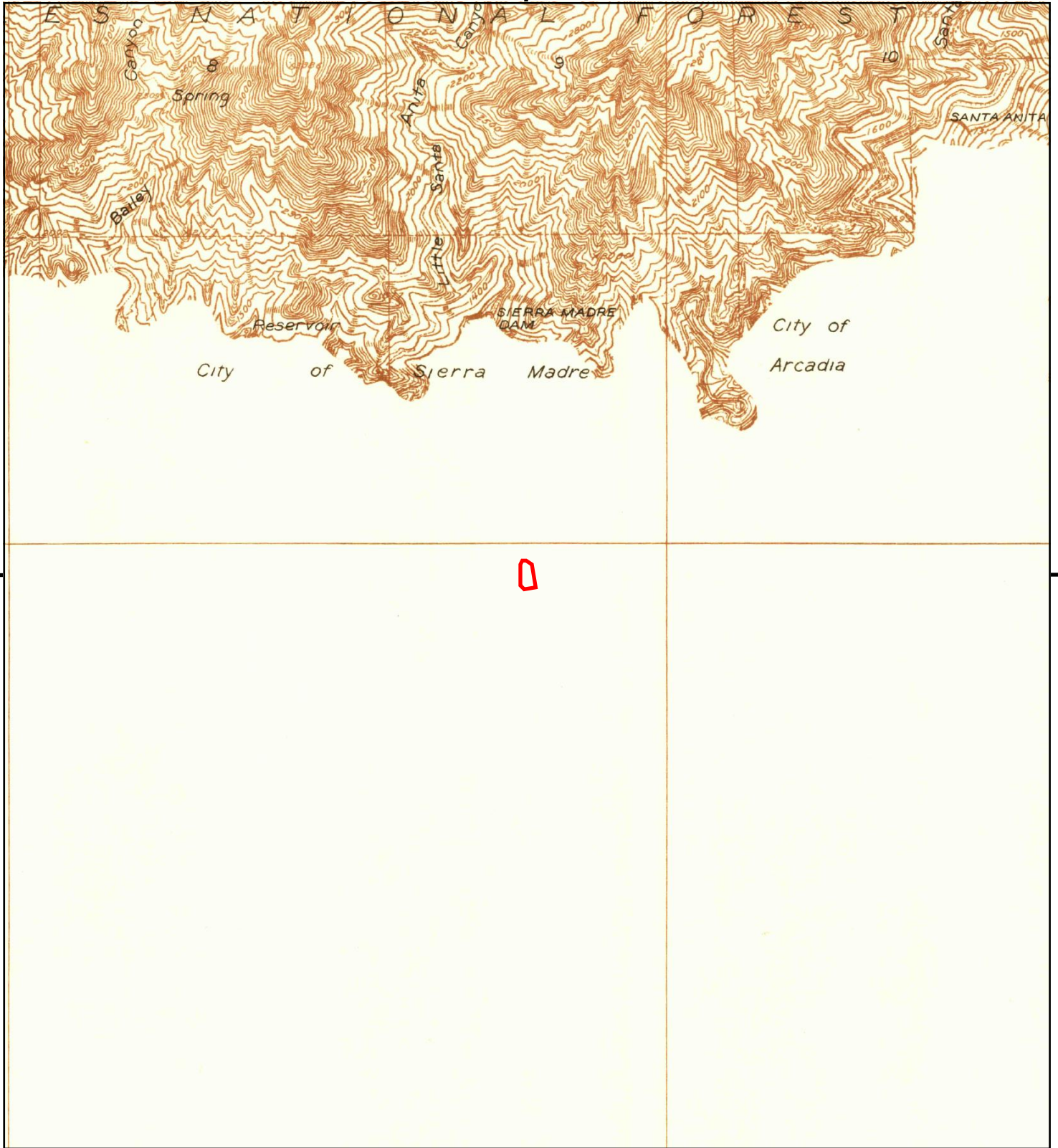
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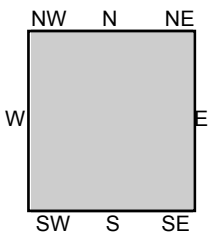
TP, Sierra Madre, 1941, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





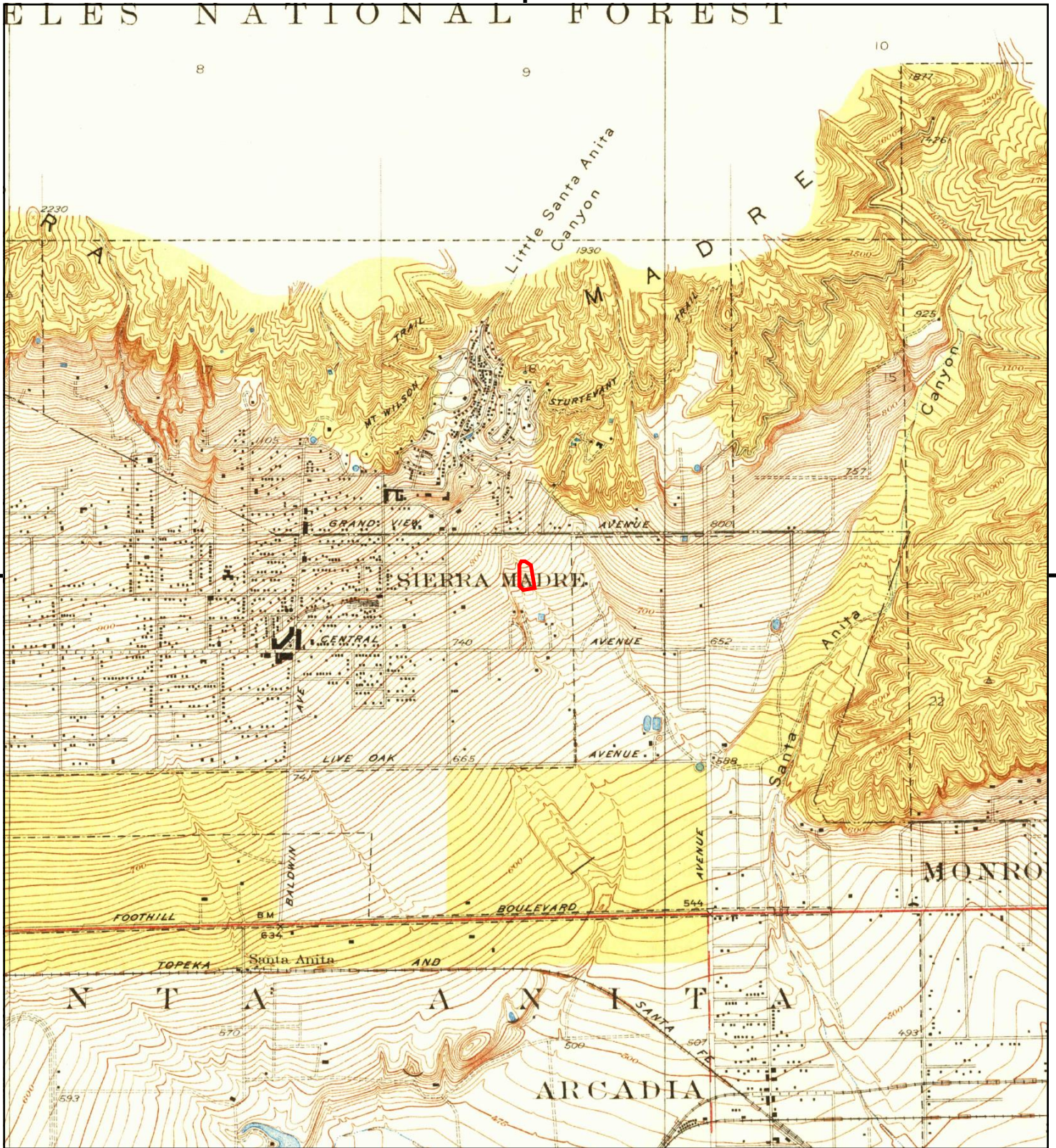
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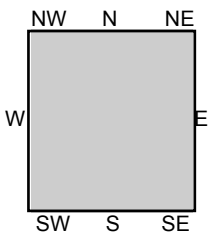
TP, Sierra Madre, 1933, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





This report includes information from the following map sheet(s).



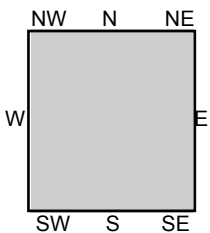
TP, Sierra Madre, 1928, 7.5-minute

**SITE NAME:** Solar Array Construction  
**ADDRESS:** 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
**CLIENT:** Padre Associates, Inc





This report includes information from the following map sheet(s).



TP, Pasadena, 1900, 15-minute  
 TP, Los Angeles, 1900, 15-minute

SITE NAME: Solar Array Construction  
 ADDRESS: 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
 CLIENT: Padre Associates, Inc





This report includes information from the following map sheet(s).



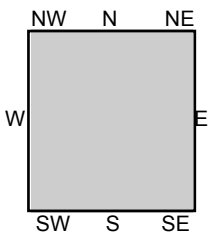
TP, Pasadena, 1896, 15-minute

SITE NAME: Solar Array Construction  
 ADDRESS: 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
 CLIENT: Padre Associates, Inc





This report includes information from the following map sheet(s).



TP, Los Angeles, 1894, 15-minute

SITE NAME: Solar Array Construction  
 ADDRESS: 611 Sierra Madre Boulevard  
 Sierra Madre, CA 91024  
 CLIENT: Padre Associates, Inc



**APPENDIX B4  
CITY DIRECTORY ABSTRACT**

---

**Solar Array Construction**

611 Sierra Madre Boulevard  
Sierra Madre, CA 91024

Inquiry Number: 6191027.5  
September 21, 2020

# The EDR-City Directory Image Report



## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

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Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

**infoUSA**<sup>®</sup>

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1987	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1982	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1976	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1973	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1967	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pacific City Directory
1962	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pacific City Directory

## FINDINGS

### TARGET PROPERTY STREET

611 Sierra Madre Boulevard  
Sierra Madre, CA 91024

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### E SIERRA MADRE BLVD

2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1992	pg A6	EDR Digital Archive
1987	pg A7	Haines Criss-Cross Directory
1982	pg A8	Haines Criss-Cross Directory
1982	pg A9	Haines Criss-Cross Directory
1976	pg A10	Haines Criss-Cross Directory
1973	pg A11	Haines Criss-Cross Directory
1967	pg A12	Pacific City Directory
1962	pg A13	Pacific City Directory

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

## **City Directory Images**

**E SIERRA MADRE BLVD 2014**

524	DIENER, ROD C
579	FLORES, M
595	ARUN, R
601	SIERRA MADRE LITTLE LEAGUE BASEBALL
608	FERREIRA, CLAUDIA Y
610	BENDER, BRIAN E
611	WATERWORKS AQUATIC SIERRA MADRE
620	WIGHTMAN, JOHN F
661	CITY OF SIERRA MADRE
668	HAUGEN, BRIAN
701	1123 24 HR LOCKSMITH LOCKSMITH SIERRA MADRE COMMUNITY NURSERY SCHOO
788	ARISTIZABAL, HECTOR A
888	HUANG, CHIN L

**E SIERRA MADRE BLVD 2010**

524 DIENER, ROD C  
579 SRAL, SANDRA J  
600 LOPEZ, JOSEPH P  
601 SIERRA MADRE LITTLE LEAGUE  
608 MAYS, JAMES R  
610 BENDER, BRIAN E  
620 WIGHTMAN, JOHN F  
634 TOMCEK, GARY M  
674 CHAN, HENRY  
701 SIERRA MADRE COMMUNITY NURSERY  
788 ARMSTRONG, JOHN T  
888 HUANG, CHIN L

**E SIERRA MADRE BLVD 2005**

522	RANKIN, LINDA L
524	DIENER, ROD C
579	SRAL, SANDRA J
600	OCCUPANT UNKNOWN,
608	KIELTY, NANCY
610	REYNOLDS, BARBARA L
620	WIGHTMAN, JOHN F
668	EHRENBERG, JAMES I
	STORY ROADS
674	OCCUPANT UNKNOWN,
701	CALIFORNIA COUNCIL PARENTS PARTCP
	OCCUPANT UNKNOWN,
	SIERRA MADRE COMMUNITY NURSERY SCHOO
788	FLOOR, COVERING I
888	MATEO, RODRIGO D



**E SIERRA MADRE BLVD 2000**

524 DIENER, BONNIE J  
529 OCCUPANT UNKNOWN,  
579 RAMIREZ, ANDREW L  
585 WORKMAN, JADIE  
608 KIELTY, N  
610 REYNOLDS, BARBARA L  
620 WIGHTMAN, JOHN F  
633 ENGEL, JASON  
634 RIDENOUR, RHONDA L  
665 BURKHALTER, KATTIA  
668 OCCUPANT UNKNOWN,  
674 CHAN, NOEL J

**E SIERRA MADRE BLVD 1995**

512	LOHR, LEWIS H
522	RANKIN, MICHAEL
524	WOLF, BONNIE J
600	LOPEZ, JOSEPH P
608	LOPEZ, JOSEPH P
610	OCCUPANT UNKNOWNN
620	WIGHTMAN, JOHN F
660	OCCUPANT UNKNOWNN
668	OCCUPANT UNKNOWNN
674	DILLON, PAUL
701	SIERRA MADRE COMMUNITY NURSERY
720	BLASER, GLEN L

**E SIERRA MADRE BLVD 1992**

482	HAGIE, DAVID R
489	PITTMAN, PAUL
492	STRONG, E
502	SPRIGGS, HOMER H
522	RANKIN, MICHAEL
524	TAIMISTO, MIRIAM
611	SIERRA MDRE CTY REC
620	WIGHTMAN, JOHN F
665	WALSH, C
701	SIERRA MAD CMTY SCH
708	JENSEN, KENNETH

## E SIERRA MADRE BLVD 1987

482	HAGIE DAVID R	355-3871	9
485	SELK H M	355-9634	
489	PITTMAN HILDA	355-3894	
	PITTMAN PAUL	355-3894	
492	MILLER NORMAN W	355-8601	
495	MIKITY STEVEN	355-0596	
501	XXXX	00	
502	SPRIGGS HOMER H	355-8586	
512	LOHR LEWIS H	355-6614	
515	XXXX	00	
522	RANKIN LEE	355-4641	
	RANKIN MICHAEL	355-4641	
524	APPLEBY JOHN F	355-0936	0
579	CINNAMON LEONARD G	355-9532	
600	XXXX	00	
601	XXXX	00	
610	XXXX	00	
611	★ SIERRA MDRE CTY REC	355-2355	0
620	WIGHTMAN JOHN F	355-4403	6
	WIGHTMAN JOHN F	355-6976	+7
660	XXXX	00	
665	XXXX	00	
666	COUTANT STANLEY	355-1774	
674	HOVATTER HOWARD	355-4811	
	HOVATTER NELLIE	355-4811	
701	★ SIERRA MAD CMTY SCH	355-1655	
704	XXXX	00	
720	XXXX	00	
★	15 BUS	174 RES	21 NEW

## E SIERRA MADRE BLVD 1982

482	HAGIE DAVIO R	355-3871	9
485	SELK H M	355-9634	
489	PITTMAN PAUL	355-3894	9
492	MILLER NORMAN W	355-8601	
495	MIKITY STEVEN	355-0596	7
501	DEAN M C SR	355-8697	9
502	SPRIGGS HOMER H	355-8586	
512	LOHR LEWIS H	355-6614	
515	XXXX	00	
522	RANKIN MICHAEL	355-4641	1
524	APPLEBY JOHN F	355-0936	0
579	CINNAMON LEONARO G	355-9532	
600	XXXX	00	
601	XXXX	00	

## E SIERRA MADRE BLVD 1982

SIERRA MADRE BLVD E		91024 CONT
610	XXXX	00
611	SIERRA MAD CTY SWIM	355-2355 0
620	WIGHTMAN JOHN F	355-6976 1
	WIGHTMAN JOHN F	355-4403 +2
660	XXXX	00
665	XXXX	00
666	COUTANT STANLEY	355-1774
674	HOVATTER HOWARD	355-4811 1
701	SIERRA MAD CMTY SCH	355-1855 4
704	XXXX	00
720	XXXX	00
★	14 BUS	169 RES 35 NEW

## E SIERRA MADRE BLVD 1976

482	LESLEY E R	355-1782	3
485	SELK H M	355-9634	
492	MILLER NORMAN W	355-8601	
495	SWARTHOUT H B	355-6803	4
502	SPRIGGS HOMER H	355-8586	
512	LDHR LEWIS H	355-6614	
515	ROGERS RODNEY	355-1923	+6
522	SEATON MELVIN E	355-2295	
579	CINNAMON LEONARD G	355-9532	
600	ANNAS WM G	355-7740	
	ANNAS WM G CHLDRN	355-7460	2
601*	SIERRA MAD CTY POOL	355-7275	
610	MAPLE DOUGLAS R	355-6224	
611*	SIERRA MAD CTY REC	355-2355	4
620	WALES EDW M	355-7462	
665	MARICLE A RAY	355-2678	4
666	COUTANT STANLEY	355-1774	
674	STRUTHERS HERBERT	355-1764	
700	GERRISH MYRON C	355-8529	5
701*	SIERRA MAD CMTY SCH	355-1655	4
720	WARDEN DENNIS	355-2793	5
*	13 BUS 142 RES	49 NEW	

## E SIERRA MADRE BLVD 1973

482	LESLEY E R	355-1782+3
485	SELK H M	355-9634
492	MILLER NORMAN W	355-8601
495	BROOKS H R	355-6803+3
500	DAVIDSON LARRY M	355-6570+3
502	SPRIGGS HOMER H	355-8586
512	LOHR LEWIS H	355-6614
515	XXXX	00
522	SEATON MELVIN E	355-2295
579	CINNAMON LEONARD G	355-9532
600	ANNAS WM G	355-7740
	ANNAS WM G CHLDRNS	355-7460 2
601*	SIERRA MAD SWIMG PL	355-7275
608	VANKEVREN E W	355-9129 2
610	MAPLE DOUGLAS R	355-6224
611*	SIERRA MDRE CTY REC	355-2355+3
620	WALES EDW M	355-7462
621	XXXX	00
633	SNIDER SHARON	681-8696+3
634	SAULS EARL R	355-4467 2
666	COUTANT STANLEY	355-1774
674	STRUTHERS HERBERT	355-1764
700	XXXX	00
701*	SIERRA MAD NRSRY SC	355-1655
	* 10 BUS 131 RES	48 NEW



## E SIERRA MADRE BLVD 1967

482 Piscitello F J ☉ EL 5-3976

485 Selk H M ☉ EL 5-9634

492 Miller N W ☉ EL 5-8601

495 Brooks H R EL 5-6803

502 Spriggs H H EL 5-8596

512 Lohr L H ☉ EL 5-6614

515 Holcomb W L ☉ EL 5-2575

Coburn Av begins

522 Seaton M E ☉ EL 5-2295

524 Potter S H ☉ EL 5-0959

579 Cinnamon L G EL 5-9532

600 Annas W G ☉ EL 5-7740

608 McNeilly Evelene Mrs ☉  
EL 5-2610

609 S M Youth Hut

610 Maple D R ☉ EL 5-6224

620 Wales E M ☉ EL 5-7462

621 S M Pub Works Dept

S M Municipal Swimming  
Pool EL 5-7275

Sierra Vista City Park

666 Coutant Stanley ☉ EL 5-1774

674 Struthers H J ☉ EL 5-1764

701 S M Community Nursery  
Sch EL 5-1655

720 Anson F C ☉ EL 5-6790

## E SIERRA MADRE BLVD 1962

458 Adams Saml © SY 5-9212

Villa intersects

484 Marler F E © SY 3-5366

492 Billstrom V J © SY 2-6353

500 Olson H A © SY 6-1375

510 Berkeley R D © MU 1-8797

516 Jensen G E Mrs © SY 3-9430

526 Wolters L H © SY 5-6764

Del Vina intersects

540 Dunlap R H © SY 6-0729

550 Davies J E © SY 2-3960

560 Littlefield H C © SY 6-8266

570 No Return

580 Ross J O © SY 3-6283

590 Morey C R © SY 5-1825

596 McCartney M F © SY 2-2343

600 Derber E R Mrs © SY 2-5567

606 Curran F M Mrs ©

616 Smith A F Mrs

626 Langstaff R G © SY 3-7946

650 Barmore R A © SY 2-7077

Hermanos begins

**APPENDIX C**  
**ENVIRONMENTAL DATABASE REPORT**

---

**Solar Array Construction**  
611 Sierra Madre Boulevard  
Sierra Madre, CA 91024

Inquiry Number: 6191027.2s  
September 16, 2020

# The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

611 SIERRA MADRE BOULEVARD  
SIERRA MADRE, CA 91024

#### COORDINATES

Latitude (North): 34.1653570 - 34° 9' 55.28"  
Longitude (West): 118.0413180 - 118° 2' 28.74"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 404019.1  
UTM Y (Meters): 3780785.5  
Elevation: 767 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5636853 MOUNT WILSON, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140515  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 611 SIERRA MADRE BOULEVARD  
 SIERRA MADRE, CA 91024

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">1</a>	SIERRA MADRE SPREADI	611 SIERRA MADRE	CERS		TP
<a href="#">2</a>	MICHAEL BECHTHOLD	480 EAST LAUREL AVEN	RCRA NonGen / NLR	Higher	254, 0.048, WNW
<a href="#">A3</a>	CITY OF SIERRA MADRE	621 EAST SIERRA MADR	RCRA NonGen / NLR	Lower	1067, 0.202, SSE
<a href="#">A4</a>	SIERRA MADRE DUMP	621 EAST SIERRA MADR	SWF/LF, CERS	Lower	1067, 0.202, SSE
<a href="#">A5</a>	CITY OF SIERRA MADRE	621 EAST SIERRA MADR	LUST, UST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS,	Lower	1067, 0.202, SSE
<a href="#">A6</a>	LA COUNTY SANITATION	621 E SIERRA MADRE B	RCRA NonGen / NLR	Lower	1067, 0.202, SSE
<a href="#">A7</a>	SIERRA MADRE DUMP	631 EAST SIERRA MADR	SWF/LF	Lower	1075, 0.204, SSE
<a href="#">A8</a>	SIERRA MADRE CITY LA	631 EAST SIERRA MADR	WMUDS/SWAT	Lower	1075, 0.204, SSE
<a href="#">9</a>	JOE MONG & ERICA LI	1850 ANITA CREST DRI	RCRA NonGen / NLR	Lower	1170, 0.222, ENE
<a href="#">A10</a>	JOE COOPER	15 MONTEREY LANE	RCRA NonGen / NLR	Lower	1207, 0.229, SSE
<a href="#">11</a>	DANIEL HARVEY	634 VALLE VISTA DR	RCRA NonGen / NLR	Higher	1292, 0.245, NNE
<a href="#">12</a>	MOE'S AUTOMOTIVE SER	125 SIERRA MADRE	CPS-SLIC	Lower	1652, 0.313, SE
<a href="#">13</a>	LA CO FD FIRE STA #1	1901 STONEHOUSE RD	LUST, SWEEPS UST, Cortese, HIST CORTESE, LOS...	Higher	1852, 0.351, ENE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
SIERRA MADRE SPREADI 611 SIERRA MADRE SIERRA MADRE, CA 91024	CERS	N/A

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

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

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators



## EXECUTIVE SUMMARY

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 CONTROLS..... Institutional Controls Sites List

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR..... EnviroStor Database

### ***State and tribal 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 Brownfields 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

## EXECUTIVE SUMMARY

IHS OPEN DUMPS..... Open Dumps on Indian Land

### **Local Lists of Hazardous waste / Contaminated Sites**

AOCONCERN..... Key Areas of Concerns in Los Angeles County  
US HIST CDL..... Delisted National Clandestine Laboratory Register  
HIST Cal-Sites..... Historical Calsites Database  
SCH..... School Property Evaluation Program  
CDL..... Clandestine Drug Labs  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
US CDL..... National Clandestine Laboratory Register  
PFAS..... PFAS Contamination Site Location Listing

### **Local Lists of Registered Storage Tanks**

HIST UST..... Hazardous Substance Storage Container Database  
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  
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

## EXECUTIVE SUMMARY

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
ECHO.....	Enforcement & Compliance History Information
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
LOS ANGELES CO. HMS.....	HMS: Street Number List
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
LA Co. Site Mitigation.....	Site Mitigation List
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
HWTS.....	Hazardous Waste Tracking System
LOS ANGELES CO LF METHANE.....	Methane Producing Landfills
MINES MRDS.....	Mineral Resources Data System

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

# EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historical Auto Stations  
 EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

## EDR RECOVERED GOVERNMENT ARCHIVES

### **Exclusive Recovered Govt. Archives**

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
 RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STANDARD ENVIRONMENTAL RECORDS

### **State and tribal landfill and/or solid waste disposal site lists**

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SIERRA MADRE DUMP</i></b> Database: SWF/LF (SWIS), Date of Government Version: 05/11/2020 Facility ID: 19-AA-5213 Facility ID: 19-AA-1101 Operational Status: Closed Operational Status: Active Regulation Status: Unpermitted Regulation Status: Notification	<b><i>621 EAST SIERRA MADR</i></b>	<b><i>SSE 1/8 - 1/4 (0.202 mi.)</i></b>	<b><i>A4</i></b>	<b><i>11</i></b>
SIERRA MADRE DUMP Database: LOS ANGELES CO. LF, Date of Government Version: 04/13/2020 Site ID: 2022 Status: Closed	631 EAST SIERRA MADR	SSE 1/8 - 1/4 (0.204 mi.)	A7	40

## EXECUTIVE SUMMARY

### **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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LA CO FD FIRE STA #1</b> Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/08/2020 Status: Completed - Case Closed Facility Id: R-14235 Status: Case Closed Global Id: T0603705223 Global ID: T0603705223	<b>1901 STONEHOUSE RD</b>	<b>ENE 1/4 - 1/2 (0.351 mi.)</b>	<b>13</b>	<b>45</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CITY OF SIERRA MADRE</b> Database: LUST, Date of Government Version: 06/08/2020 Status: Completed - Case Closed Global Id: T0603712427	<b>621 EAST SIERRA MADR</b>	<b>SSE 1/8 - 1/4 (0.202 mi.)</b>	<b>A5</b>	<b>14</b>

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 is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MOE'S AUTOMOTIVE SER</b> Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required	<b>125 SIERRA MADRE</b>	<b>SE 1/4 - 1/2 (0.313 mi.)</b>	<b>12</b>	<b>45</b>

### **State and tribal registered storage tank lists**

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CITY OF SIERRA MADRE</b> Database: UST CLOSURE, Date of Government Version: 05/26/2020 Database: UST, Date of Government Version: 06/08/2020	<b>621 EAST SIERRA MADR</b>	<b>SSE 1/8 - 1/4 (0.202 mi.)</b>	<b>A5</b>	<b>14</b>

## EXECUTIVE SUMMARY

Facility Id: LACoFA0024966  
Facility Id: 12442

### 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.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SIERRA MADRE CITY LA	631 EAST SIERRA MADR	SSE 1/8 - 1/4 (0.204 mi.)	A8	41

#### ***Local Lists of Hazardous waste / Contaminated Sites***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/20/2020 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CITY OF SIERRA MADRE</b>	<b>621 EAST SIERRA MADR</b>	<b>SSE 1/8 - 1/4 (0.202 mi.)</b>	<b>A5</b>	<b>14</b>

#### ***Local Lists of Registered Storage Tanks***

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CITY OF SIERRA MADRE</b>	<b>621 EAST SIERRA MADR</b>	<b>SSE 1/8 - 1/4 (0.202 mi.)</b>	<b>A5</b>	<b>14</b>
Status: A Tank Status: A Comp Number: 12442				

## EXECUTIVE SUMMARY

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 04/20/2020 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CITY OF SIERRA MADRE</b>	<b>621 EAST SIERRA MADR</b>	<b>SSE 1/8 - 1/4 (0.202 mi.)</b>	<b>A5</b>	<b>14</b>

### **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 03/23/2020 has revealed that there are 6 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MICHAEL BECHTHOLD EPA ID:: CAC002967364	480 EAST LAUREL AVEN	WNW 0 - 1/8 (0.048 mi.)	2	9
DANIEL HARVEY EPA ID:: CAC002988501	634 VALLE VISTA DR	NNE 1/8 - 1/4 (0.245 mi.)	11	44

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY OF SIERRA MADRE EPA ID:: CAL000254874	621 EAST SIERRA MADR	SSE 1/8 - 1/4 (0.202 mi.)	A3	10
LA COUNTY SANITATION EPA ID:: CAH111001504	621 E SIERRA MADRE B	SSE 1/8 - 1/4 (0.202 mi.)	A6	39
JOE MONG & ERICA LI EPA ID:: CAC002974995	1850 ANITA CREST DRI	ENE 1/8 - 1/4 (0.222 mi.)	9	42
JOE COOPER EPA ID:: CAC003024680	15 MONTEREY LANE	SSE 1/8 - 1/4 (0.229 mi.)	A10	43

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LA CO FD FIRE STA #1</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>1901 STONEHOUSE RD</b>	<b>ENE 1/4 - 1/2 (0.351 mi.)</b>	<b>13</b>	<b>45</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CITY OF SIERRA MADRE</b>	<b>621 EAST SIERRA MADR</b>	<b>SSE 1/8 - 1/4 (0.202 mi.)</b>	<b>A5</b>	<b>14</b>

## EXECUTIVE SUMMARY

Cleanup Status: COMPLETED - CASE CLOSED

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 [CALSTATES]. 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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LA CO FD FIRE STA #1</b> Reg Id: R-14235	<b>1901 STONEHOUSE RD</b>	<b>ENE 1/4 - 1/2 (0.351 mi.)</b>	<b>13</b>	<b>45</b>



## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

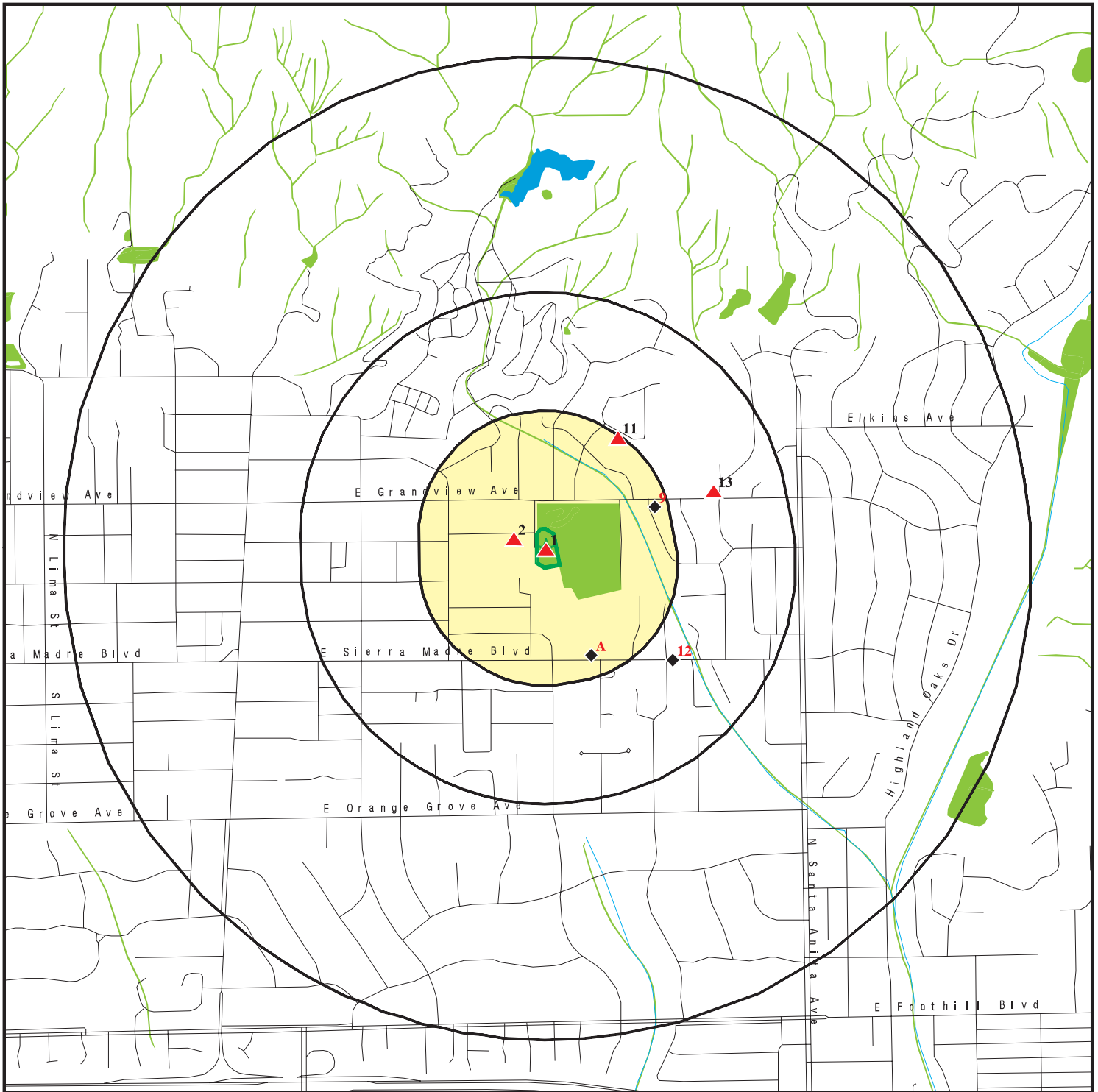
Site Name

Database(s)

MOUNT DISAPPOINTMENT AIR NATIONAL

CDL  
ENVIROSTOR

# OVERVIEW MAP - 6191027.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

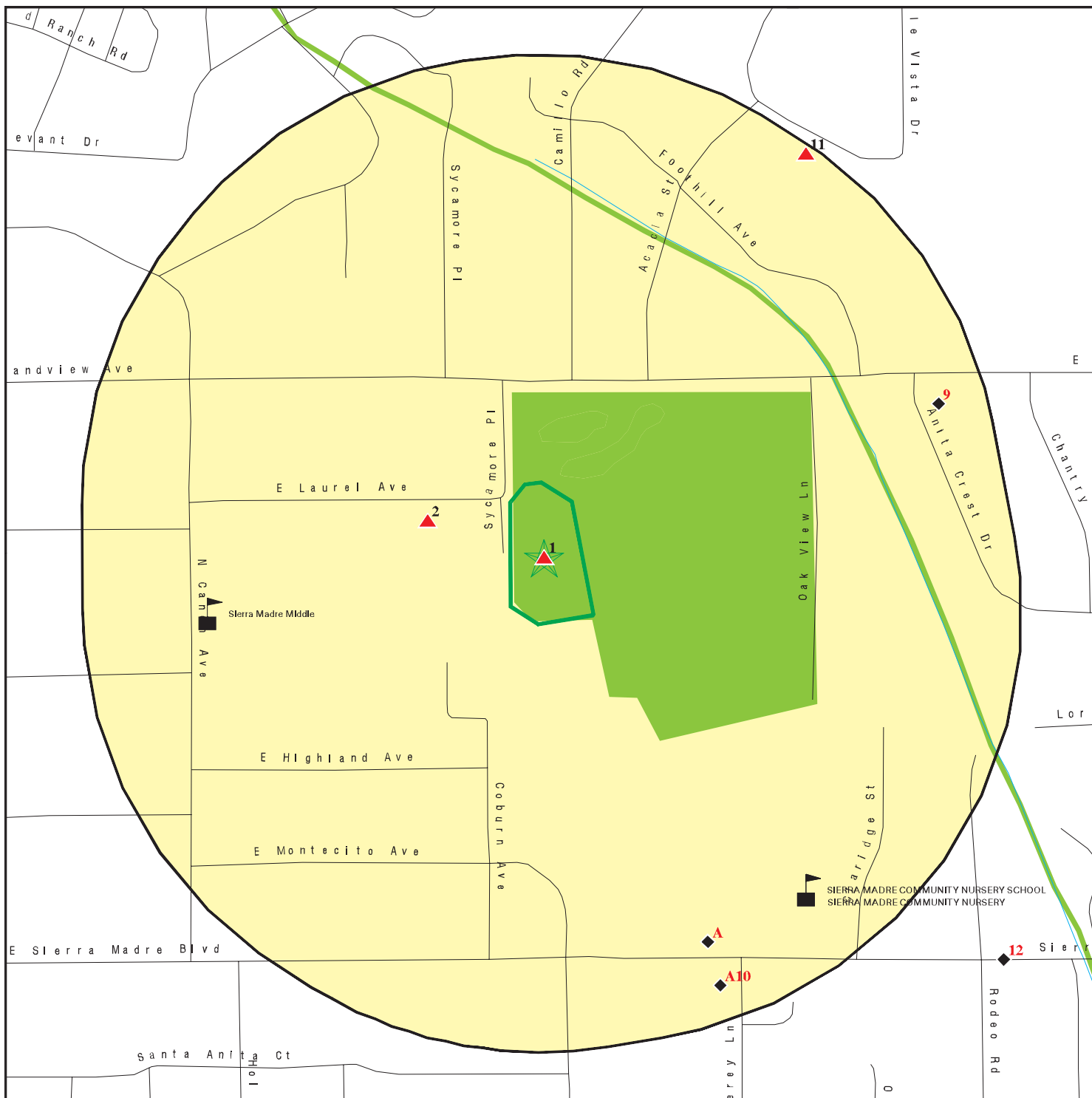








This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.








SITE NAME: Solar Array Construction  
 ADDRESS: 611 Sierra Madre Boulevard  
 Sierra Madre CA 91024  
 LAT/LONG: 34.165357 / 118.041318

CLIENT: Padre Associates, Inc  
 CONTACT: Chris Prevost  
 INQUIRY #: 6191027.2s  
 DATE: September 16, 2020 9:57 am

# DETAIL MAP - 6191027.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

- 
-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Solar Array Construction  
 ADDRESS: 611 Sierra Madre Boulevard  
 Sierra Madre CA 91024  
 LAT/LONG: 34.165357 / 118.041318

CLIENT: Padre Associates, Inc  
 CONTACT: Chris Prevost  
 INQUIRY #: 6191027.2s  
 DATE: September 16, 2020 9:57 am

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	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
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	2	0	NR	NR	2
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	1	1	NR	NR	2

## 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	1	NR	NR	1
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	1	0	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
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
AOCONCERN	1.000		0	0	0	0	NR	0
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
CERS HAZ WASTE	0.250		0	1	NR	NR	NR	1
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	1	NR	NR	NR	1
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		1	5	NR	NR	NR	6
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
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
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	1	1	NR	NR	2
CUPA Listings	0.250		0	0	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
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		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
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
LA Co. Site Mitigation	0.001		0	NR	NR	NR	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		0	NR	NR	NR	NR	0
CERS	0.001	1	0	NR	NR	NR	NR	1
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	0.001		0	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.001		0	0	0	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		1	1	14	4	0	0	20

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**  
**Target**  
**Property**  
**SIERRA MADRE SPREADING BASINS**  
**611 SIERRA MADRE**  
**SIERRA MADRE, CA 91024**

**CERS** **S123512692**  
**N/A**

**Actual:**  
**767 ft.**

CERS:  
Name: SIERRA MADRE SPREADING BASINS  
Address: 611 SIERRA MADRE  
City,State,Zip: SIERRA MADRE, CA 91024  
Site ID: 360052  
CERS ID: 646977  
CERS Description: Waste Discharge Requirements

Affiliation:  
Affiliation Type Desc: Owner and Operator  
Entity Name: Sierra Madre City  
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

**2**  
**WNW**  
**< 1/8**  
**0.048 mi.**  
**254 ft.**

**RCRA NonGen / NLR** **1024747587**  
**CAC002967364**

**MICHAEL BECHTHOLD**  
**480 EAST LAUREL AVENUE**  
**SIERRA MADRE, CA 91024**

**Relative:**  
**Higher**  
**Actual:**  
**785 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 2018-06-20 00:00:00.0  
Facility name: MICHAEL BECHTHOLD  
Facility address: 480 EAST LAUREL AVENUE  
SIERRA MADRE, CA 91024  
EPA ID: CAC002967364  
Contact: MICHAEL BECHTHOLD  
Contact address: 480 EAST LAUREL AVENUE  
SIERRA MADRE, CA 91024  
Contact country: Not reported  
Contact telephone: 562-665-8109  
Contact email: VIANCATARANGO@ALLIANCE-ENVIRO.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name: MICHAEL BECHTHOLD  
Owner/operator address: 480 EAST LAUREL AVENUE  
SIERRA MADRE, CA 91024  
Owner/operator country: Not reported  
Owner/operator telephone: 562-665-8109  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL BECHTHOLD (Continued)**

**1024747587**

Owner/operator name: MICHAEL BECHTHOLD  
Owner/operator address: 480 EAST LAUREL AVENUE  
SIERRA MADRE, CA 91024  
Owner/operator country: Not reported  
Owner/operator telephone: 562-665-8109  
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: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**A3**  
**SSE**  
**1/8-1/4**  
**0.202 mi.**  
**1067 ft.**

**CITY OF SIERRA MADRE**  
**621 EAST SIERRA MADRE**  
**SIERRA MADRE, CA 91024**

**RCRA NonGen / NLR** **1025866619**  
**CAL000254874**

**Site 1 of 7 in cluster A**

**Relative:**  
**Lower**  
**Actual:**  
**683 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 2002-06-28 00:00:00.0  
Facility name: CITY OF SIERRA MADRE  
Facility address: 621 EAST SIERRA MADRE  
SIERRA MADRE, CA 91024-0000  
EPA ID: CAL000254874  
Mailing address: 232 W SIERRA MADRE BLVD  
SIERRA MADRE, CA 91024-0000  
Contact: DONY KING  
Contact address: 621 EAST SIERRA MADRE  
SIERRA MADRE, CA 91024-0000  
Contact country: Not reported  
Contact telephone: 626-494-9910  
Contact email: DKING@CITYOFSIERRAMADRE.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name: CITY OF SIERRA MADRE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**1025866619**

Owner/operator address: 232 W SIERRA MADRE BLVD  
 SIERRA MADRE, CA 91024  
 Owner/operator country: Not reported  
 Owner/operator telephone: 626-355-6615  
 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: DONY KING  
 Owner/operator address: 621 EAST SIERRA MADRE  
 SIERRA MADRE, CA 91024  
 Owner/operator country: Not reported  
 Owner/operator telephone: 626-494-9910  
 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: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**A4**  
**SSE**  
**1/8-1/4**  
**0.202 mi.**  
**1067 ft.**

**SIERRA MADRE DUMP**  
**621 EAST SIERRA MADRE BLVD.**  
**SIERRA MADRE, CA**

**SWF/LF** **S102056645**  
**CERS** **N/A**

**Site 2 of 7 in cluster A**

**Relative:**  
**Lower**  
**Actual:**  
**683 ft.**

SWF/LF (SWIS):  
 Name: SIERRA MADRE DUMP  
 Address: 621 EAST SIERRA MADRE BLVD.  
 City,State,Zip: SIERRA MADRE, CA  
 Facility ID: 19-AA-5213  
 Lat/Long: 34.15 / -118.04444  
 Owner Name: Multiple Owners  
 Owner Telephone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIERRA MADRE DUMP (Continued)**

**S102056645**

Owner Address: Not reported  
Owner Address2: Not reported  
Owner City,St,Zip: Not reported  
Operational Status: Closed  
Operator: Not reported  
Operator Phone: Not reported  
Operator Address: Not reported  
Operator Address2: Not reported  
Operator City,St,Zip: Not reported  
Permit Date: Not reported  
Permit Status: Not reported  
Permitted Acreage: \$0.00  
Activity: Solid Waste Disposal Site  
Regulation Status: Unpermitted  
Landuse Name: Residential,Park  
GIS Source: Map  
Category: Disposal  
Unit Number: 01  
Inspection Frequency: Annual  
Accepted Waste: Not reported  
Closure Date: Not reported  
Closure Type: Not reported  
Disposal Acreage: \$0.00  
SWIS Num: 19-AA-5213  
Waste Discharge Requirement Num: Not reported  
Program Type: Not reported  
Permitted Throughput with Units: Not reported  
Actual Throughput with Units: Not reported  
Permitted Capacity with Units: Not reported  
Remaining Capacity: Not reported  
Remaining Capacity with Units: Not reported  
Lat/Long: 34.15 / -118.04444

Name: CITY OF SIERRA MADRE LIMITED VOL T. OP.  
Address: 621 EAST SIERRA MADRE BLVD.  
City,State,Zip: SIERRA MADRE, CA  
Facility ID: 19-AA-1101  
Lat/Long: 34.16347 / -118.0395  
Owner Name: City of Sierra Madre, Public Works  
Owner Telephone: 6263557135  
Owner Address: Matt Marquez, Manager  
Owner Address2: 282 West Sierra Madre Blvd.  
Owner City,St,Zip: Sierra Madre, CA 91024  
Operational Status: Active  
Operator: City of Sierra Madre, Public Works  
Operator Phone: 6263557135  
Operator Address: Matt Marquez, Manager  
Operator Address2: 282 West Sierra Madre Blvd.  
Operator City,St,Zip: Sierra Madre, CA 91024  
Permit Date: 01/23/2007  
Permit Status: Notification  
Permitted Acreage: \$0.90  
Activity: Limited Volume Transfer Operation  
Regulation Status: Notification  
Landuse Name: Recreational - Irrigated,Recreational,Commercial  
GIS Source: Map  
Category: Transfer/Processing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIERRA MADRE DUMP (Continued)**

**S102056645**

Unit Number: 01  
Inspection Frequency: Quarterly  
Accepted Waste: Green Materials,Inert,Mixed municipal  
Closure Date: Not reported  
Closure Type: Not reported  
Disposal Acreage: Not reported  
SWIS Num: 19-AA-1101  
Waste Discharge Requirement Num: Not reported  
Program Type: Not reported  
Permitted Throughput with Units: 7  
Actual Throughput with Units: Tons/day  
Permitted Capacity with Units: 850  
Remaining Capacity: Not reported  
Remaining Capacity with Units: Tons/year  
Lat/Long: 34.16347 / -118.0395

**CERS:**

Name: SIERRA MADRE DUMP  
Address: 621 EAST SIERRA MADRE BLVD.  
City,State,Zip: SIERRA MADRE, CA  
Site ID: 511845  
CERS ID: 19-AA-5213  
CERS Description: Solid Waste and Recycle Sites

**Affiliation:**

Affiliation Type Desc: Legal Owner  
Entity Name: Multiple Owners  
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

Name: CITY OF SIERRA MADRE LIMITED VOL T. OP.  
Address: 621 EAST SIERRA MADRE BLVD.  
City,State,Zip: SIERRA MADRE, CA  
Site ID: 507831  
CERS ID: 19-AA-1101  
CERS Description: Solid Waste and Recycle Sites

**Affiliation:**

Affiliation Type Desc: Legal Operator  
Entity Name: City of Sierra Madre, Public Works  
Entity Title: Not reported  
Affiliation Address: Matt Marquez, Manager282 West Sierra Madre Blvd.  
Affiliation City: Sierra Madre  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 91024  
Affiliation Phone: 6263557135

Affiliation Type Desc: Legal Owner  
Entity Name: City of Sierra Madre, Public Works  
Entity Title: Not reported  
Affiliation Address: Matt Marquez, Manager282 West Sierra Madre Blvd.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIERRA MADRE DUMP (Continued)**

**S102056645**

Affiliation City: Sierra Madre  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 91024  
Affiliation Phone: 6263557135

**A5** CITY OF SIERRA MADRE  
**SSE** 621 EAST SIERRA MADRE BOULEVARD  
1/8-1/4 SIERRA MADRE, CA 91024  
0.202 mi.  
1067 ft. Site 3 of 7 in cluster A

**LUST** U003777005  
**UST** N/A  
**CERS HAZ WASTE**  
**SWEEPS UST**  
**CERS TANKS**  
Cortese  
**LOS ANGELES CO. HMS**  
**CERS**

Relative:  
Lower  
Actual:  
683 ft.

**LUST:**

Name: CITY OF SIERRA MADRE  
Address: 621 SIERRA MADRE BLVD E  
City,State,Zip: SIERRA MADRE, CA 91024  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603712427](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603712427)  
Global Id: T0603712427  
Latitude: 34.16197  
Longitude: -118.040001  
Status: Completed - Case Closed  
Status Date: 09/17/2019  
Case Worker: NC  
RB Case Number: R-12442  
Local Agency: LOS ANGELES COUNTY  
File Location: Local Agency  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

**LUST:**

Global Id: T0603712427  
Contact Type: Local Agency Caseworker  
Contact Name: KATTYA BATRES RINZE  
Organization Name: LOS ANGELES COUNTY  
Address: 900 SOUTH FREMONT AVE  
City: ALHAMBRA  
Email: gbatres@dpw.lacounty.gov  
Phone Number: Not reported

Global Id: T0603712427  
Contact Type: Regional Board Caseworker  
Contact Name: NOMAN CHOWDHURY  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: 320 WEST 4TH STREET, SUITE 200  
City: LOS ANGELES  
Email: noman.chowdhury@waterboards.ca.gov  
Phone Number: 2135766704

**LUST:**

Global Id: T0603712427

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Action Type:	Other
Date:	11/10/1998
Action:	Leak Discovery
Global Id:	T0603712427
Action Type:	RESPONSE
Date:	12/11/2017
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0603712427
Action Type:	RESPONSE
Date:	02/13/2018
Action:	Request for Closure - Regulator Responded
Global Id:	T0603712427
Action Type:	RESPONSE
Date:	08/07/2017
Action:	Preliminary Site Assessment Workplan - Regulator Responded
Global Id:	T0603712427
Action Type:	REMEDIATION
Date:	04/30/2007
Action:	Not reported
Global Id:	T0603712427
Action Type:	ENFORCEMENT
Date:	09/11/2017
Action:	Staff Letter
Global Id:	T0603712427
Action Type:	ENFORCEMENT
Date:	12/10/2012
Action:	Referral to Regional Board
Global Id:	T0603712427
Action Type:	ENFORCEMENT
Date:	12/20/2012
Action:	Staff Letter
Global Id:	T0603712427
Action Type:	ENFORCEMENT
Date:	06/07/2017
Action:	Staff Letter
Global Id:	T0603712427
Action Type:	Other
Date:	12/11/1998
Action:	Leak Reported
Global Id:	T0603712427
Action Type:	RESPONSE
Date:	02/20/2013
Action:	Other Report / Document
Global Id:	T0603712427
Action Type:	ENFORCEMENT
Date:	09/17/2019

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Action: Closure/No Further Action Letter

Global Id: T0603712427  
Action Type: ENFORCEMENT  
Date: 01/15/2019  
Action: Notification - Public Notice of Case Closure

Global Id: T0603712427  
Action Type: RESPONSE  
Date: 02/13/2013  
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603712427  
Action Type: ENFORCEMENT  
Date: 06/25/2015  
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603712427  
Action Type: ENFORCEMENT  
Date: 06/20/2019  
Action: Site Visit / Inspection / Sampling

Global Id: T0603712427  
Action Type: ENFORCEMENT  
Date: 05/29/2019  
Action: State Water Board Closure Order - #2019-0014

Global Id: T0603712427  
Action Type: RESPONSE  
Date: 08/25/2015  
Action: Other Report / Document

**LUST:**

Global Id: T0603712427  
Status: Open - Case Begin Date  
Status Date: 11/10/1998

Global Id: T0603712427  
Status: Open - Site Assessment  
Status Date: 04/30/2007

Global Id: T0603712427  
Status: Open - Inactive  
Status Date: 06/10/2015

Global Id: T0603712427  
Status: Open - Site Assessment  
Status Date: 07/14/2015

Global Id: T0603712427  
Status: Open - Eligible for Closure  
Status Date: 05/03/2018

Global Id: T0603712427  
Status: Completed - Case Closed  
Status Date: 09/17/2019



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

UST:

Name: CITY OF SIERRA MADRE-MAINT YARD  
Address: 621 E SIERRA MADRE BLVD  
City,State,Zip: SIERRA MADRE, CA 91024  
Facility ID: LACoFA0024966  
Permitting Agency: Los Angeles County Fire Department  
Latitude: Not reported  
Longitude: Not reported

Name: CITY OF SIERRA MADRE  
Address: 621 E SIERRA MADRE BLVD  
City,State,Zip: SIERRA MADRE, CA 91024  
Facility ID: 12442  
Permitting Agency: LOS ANGELES COUNTY  
Latitude: 34.16199  
Longitude: -118.04033

UST CLOSURE:

Name: CITY OF SIERRA MADRE  
Address: 621 EAST SIERRA MADRE BOULEVARD  
City,State,Zip: SIERRA MADRE, CA 91024  
Claim Number: Case No. R-12442  
Type: Closure Denials and Approved Orders  
Deadline Date: 3/22/2019  
Documents: 621 East Sierra Madre Boulevard, Sierra Madre, CA 91024Notice, 621 East Sierra Madre Boulevard, Sierra Madre, CA 91024Draft Order, 621 East Sierra Madre Boulevard, Sierra Madre, CA 91024Summary  
Comments: No Comments Received  
Comments URL: Not reported  
Response: Not reported  
Response URL: Not reported  
Comments2: Not reported  
Comments2 URL: Not reported  
Response2: Not reported  
Response2 URL: Not reported  
Closure: No Comments ReceivedWQ 2019-0014-UST (05/29/2019)  
Closure URL: [https://www.waterboards.ca.gov/water\\_issues/programs/ustcf/docs/prop\\_closure\\_cases/wrf\\_r12442.pdf](https://www.waterboards.ca.gov/water_issues/programs/ustcf/docs/prop_closure_cases/wrf_r12442.pdf)  
Uniform: No Comments ReceivedWQ 2019-0014-UST (05/29/2019)Uniform Closure Letter (09/17/2019)  
Uniform URL: [https://www.waterboards.ca.gov/water\\_issues/programs/ustcf/docs/prop\\_closure\\_cases/t0603712427\\_ucl.pdf.pdf](https://www.waterboards.ca.gov/water_issues/programs/ustcf/docs/prop_closure_cases/t0603712427_ucl.pdf.pdf)

CERS HAZ WASTE:

Name: CITY OF SIERRA MADRE-MAINT YARD  
Address: 621 E SIERRA MADRE BLVD  
City,State,Zip: SIERRA MADRE, CA 91024  
Site ID: 19912  
CERS ID: 10282792  
CERS Description: Hazardous Chemical Management

Name: CITY OF SIERRA MADRE-MAINT YARD  
Address: 621 E SIERRA MADRE BLVD  
City,State,Zip: SIERRA MADRE, CA 91024  
Site ID: 19912  
CERS ID: 10282792  
CERS Description: Hazardous Waste Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

SWEEPS UST:

Name: CITY OF SIERRA MADRE  
Address: 621 E SIERRA MADRE BLVD  
City: SIERRA MADRE  
Status: Active  
Comp Number: 12442  
Number: 9  
Board Of Equalization: 44-009742  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-012442-000001  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: 4

Name: CITY OF SIERRA MADRE  
Address: 621 E SIERRA MADRE BLVD  
City: SIERRA MADRE  
Status: Active  
Comp Number: 12442  
Number: 9  
Board Of Equalization: 44-009742  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-012442-000002  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Name: CITY OF SIERRA MADRE  
Address: 621 E SIERRA MADRE BLVD  
City: SIERRA MADRE  
Status: Active  
Comp Number: 12442  
Number: 9  
Board Of Equalization: 44-009742  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-012442-000003  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Name: CITY OF SIERRA MADRE  
Address: 621 E SIERRA MADRE BLVD  
City: SIERRA MADRE  
Status: Active  
Comp Number: 12442  
Number: 9  
Board Of Equalization: 44-009742  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-012442-000004  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

**CERS TANKS:**

Name: CITY OF SIERRA MADRE-MAINT YARD  
Address: 621 E SIERRA MADRE BLVD  
City,State,Zip: SIERRA MADRE, CA 91024  
Site ID: 19912  
CERS ID: 10282792  
CERS Description: Underground Storage Tank

**CORTESE:**

Name: CITY OF SIERRA MADRE  
Address: 621 SIERRA MADRE BLVD E  
City,State,Zip: SIERRA MADRE, CA 91024  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0603712427  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

File Name: Active Open

**LOS ANGELES CO. HMS:**

Name: CITY OF SIERRA MADRE  
Address: 621 E SIERRA MADRE BLVD  
City,State,Zip: SIERRA MADRE, CA 91024  
Region: LA  
Permit Category: T  
Facility Id: 012314-012442  
Facility Type: 0  
Facility Status: Permit  
Area: 3W  
Permit Number: 00004130T  
Permit Status: Permit

**CERS:**

Name: CITY OF SIERRA MADRE  
Address: 621 SIERRA MADRE BLVD E  
City,State,Zip: SIERRA MADRE, CA 91024  
Site ID: 200607  
CERS ID: T0603712427  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: KATTYA BATRES RINZE - LOS ANGELES COUNTY  
Entity Title: Not reported  
Affiliation Address: 900 SOUTH FREMONT AVE  
Affiliation City: ALHAMBRA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: NOMAN CHOWDHURY - LOS ANGELES RWQCB (REGION 4)  
Entity Title: Not reported  
Affiliation Address: 320 WEST 4TH STREET, SUITE 200  
Affiliation City: LOS ANGELES  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 2135766704

Name: CITY OF SIERRA MADRE-MAINT YARD  
Address: 621 E SIERRA MADRE BLVD  
City,State,Zip: SIERRA MADRE, CA 91024  
Site ID: 19912  
CERS ID: 10282792  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: 23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23,

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Violation Description: Chapter 16, Section(s) 2715(f)(2)  
Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).

Violation Notes: Returned to compliance on 09/05/2019.

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 19912

Site Name: CITY OF SIERRA MADRE-MAINT YARD

Violation Date: 02-07-2019

Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)

Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer's recommendations, industry standards or codes, good engineering practices and prior operating experience).

Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to provide accurate information on the maintenance program. Corrective Action: Revise the covered process equipment maintenance schedule to show that the chlorine sensor is to be replaced once every 2 years. The maintenance schedule is currently showing that the chlorine sensor is to be replaced once a year. But Mr. Reynoso stated the manufacturer's recommendation is to replace the chlorine sensor once every 2 years; the sensor is only being inspected once per year, not replaced.

Violation Division: Los Angeles County Fire Department

Violation Program: CalARP

Violation Source: CERS

Site ID: 19912

Site Name: CITY OF SIERRA MADRE-MAINT YARD

Violation Date: 11-07-2014

Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.

Violation Notes: Returned to compliance on 11/05/2015.

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 19912

Site Name: CITY OF SIERRA MADRE-MAINT YARD

Violation Date: 11-03-2017

Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to have current UST Monitoring Plan available on site.

Violation Notes: Returned to compliance on 09/05/2019.

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 19912

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)  
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)  
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)  
Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)  
Violation Description: Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)  
Violation Description: Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286  
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-06-2015  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to maintain on site an approved monitoring plan.  
Violation Notes: Returned to compliance on 08/22/2016.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)  
Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2712(b)(1) and (2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1) and (2)  
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)

Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 02-07-2019  
Citation: 19 CCR 4.5 2735.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2735.6(a)  
Violation Description: Failure to develop a management system to oversee the implementation of the risk management program elements.  
Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to provide a management system for the implementation of the Risk Management Plan (RMP). Corrective Action: Ensure a management system is provided and implemented to clearly define who has the responsibility of overseeing the implementation of the Risk Management Plan (RMP).

Violation Division: Los Angeles County Fire Department  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)  
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).  
Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)  
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)  
Violation Description: Failure to have an approved UST Monitoring Plan.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 02-07-2019  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit a site map with all required content.  
Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to submit a site map to show all the required elements including hazardous materials storage area; chlorine cylindersG storage area, and evacuation staging area. Corrective Action: Revise and resubmit the site map to clearly show all the required components; north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment.  
Violation Division: Los Angeles County Fire Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 02-07-2019  
Citation: 19 CCR 4.5 2755.2(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(e)  
Violation Description: Failure to address the following in the hazard review: 1. Document the results of the hazard review and ensure problems identified are resolved; 2. Complete these actions on a timetable agreed upon with the AA, or within two and one-half (2.5) years of performing the hazard review, or the next planned turnaround, for those items that require a turnaround; 3. Document the final resolution taken to address each recommendation and actual completion date.  
Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to provide action items tracking logs for the 2013 and 2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Hazard Reviews. Operators stated all the recommendation have been corrected but the completions have not been documented. Corrective Action: Provide action items tracking logs to document the completion of the recommendations identified in the 2013 and 2018 hazard reviews.

Violation Division: Los Angeles County Fire Department  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)  
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)  
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)  
Violation Description: Failure to submit or maintain a current facility plot plan.  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)  
Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to retain a copy of the permit to operate at the facility.  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712  
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2716(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(f)  
Violation Description: "Failure to maintain on-site, or off-site at a readily available location if approved by the UPA, copies of Designated Operator inspection records as follows: Designated operator monthly inspection records for inspections performed before October 1, 2018 must be kept for 12 months from the month of inspection. For inspections performed on or after October 1, 2018, copies of the ""Designated Underground Storage Tank Operator Visual Inspection Report"" must be kept for 36 months from the month of inspection. "  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Violation Date: 11-08-2018  
Citation: 23 CCR 16 2637.1(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637.1(e)  
Violation Description: Failure to submit a copy of the spill containment test results on the G Spill Container Testing Report FormG to the UPA within 30 days after the test.  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)  
Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-07-2014  
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299  
Violation Description: Failure to comply with one or more of the operating permit conditions.  
Violation Notes: Returned to compliance on 11/05/2015.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-07-2014  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to maintain on site an approved monitoring plan.  
Violation Notes: Returned to compliance on 11/05/2015.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to retain a copy of the permit to operate at the facility.  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)  
Violation Division: Los Angeles County Department of Public Works

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)  
Violation Description: Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)

Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 02-07-2019  
Citation: 19 CCR 4.5 2735.5(b)(2) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2735.5(b)(2)  
Violation Description: Failure to include a registration in the Risk Management Plan that reflects all covered processes.  
Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to submit accurate registration information to the administering agency. The registration shows a maximum of 300 lb of chlorine which is inaccurate. There were (8) 150 chlorine cylinders observed which operators confirmed is the maximum amount stored at this site. Corrective Action: Revise and resubmit registration information to accurately show 1,200 lb of chlorine which is the maximum amount of chlorine stored at this site.

Violation Division: Los Angeles County Fire Department  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2637.1(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637.1(e)  
Violation Description: Failure to submit a copy of the spill containment test results on the G Spill Container Testing Report FormG to the UPA within 30 days after the test.  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)

Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 07-30-2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Section(s) 25508(d)  
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 08/11/2017.  
Violation Division: Los Angeles County Fire Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286  
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.  
Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE. CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 07-30-2015  
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)  
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.  
Violation Notes: Returned to compliance on 08/11/2016.  
Violation Division: Los Angeles County Fire Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 07-07-2016  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 08/22/2016.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 02-07-2019  
Citation: 19 CCR 4.5 2755.6(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(d)

Violation Description: Failure to: 1. Promptly determine and document an appropriate response to each of the findings of the compliance audit; 2. Enter into an agreement with the AA on a timetable for resolution of these findings. Otherwise these responses shall be completed one and one-half (1.5) years after performing the compliance audit, or the next planned turnaround for items requiring a turnaround (these timelines shall not apply to any compliance audit completed prior to January 1, 2015); 3. Document the actual completion dates when deficiencies were corrected.  
Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to provide action items tracking log for the 2017 Compliance Audit. Operators stated all the recommendations have been corrected but the completions have not been documented. Corrective Action: Provide action items tracking logs to document the completions of the recommendations in the 2017 Compliance Audit.  
Violation Division: Los Angeles County Fire Department  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-08-2018  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Not reported  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple  
Violation Description: UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.  
Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-06-2015  
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)  
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.  
Violation Notes: Returned to compliance on 08/22/2016.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 07-07-2016  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to have a UST Monitoring Plan available on site.  
Violation Notes: Returned to compliance on 08/22/2016.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 02-07-2019  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.  
Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to accurately submit hazardous materials inventory to the California Environmental Reporting System (CERS). Corrective Action: Log onto the California Environmental Reporting System (CERS) to correct the deficiencies in the HAZARDOUS MATERIALS INVENTORY section. Ensure all reportable hazardous materials (55 gal for liquid, 500 lb for solid, 200 cu. ft for gas) are properly reported to the hazardous materials inventory. The cylinder of oxygen has not been reported to CERS. Also, ensure the quantities of the chemicals are submitted accurately. For example, 1,200 lb of chlorine was observed and confirmed by the operators to be the maximum amount on site but 2,100 lb of chlorine is being reported.  
Violation Division: Los Angeles County Fire Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 19912



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-07-2014  
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)  
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.  
Violation Notes: Returned to compliance on 11/05/2015.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-06-2015  
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)  
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.  
Violation Notes: Returned to compliance on 08/22/2016.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 07-07-2016  
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286  
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.  
Violation Notes: Returned to compliance on 08/22/2016.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 02-07-2019  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 06/27/2019. Observation: Owner/operator failed to provide the required NFPA placards to the chlorination room and the shipping container where the diesel powered generator is stored. Corrective Action: Ensure the required NFPA placards are provided to all hazardous materials storage areas (2016 CFC 5003.5).  
Violation Division: Los Angeles County Fire Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE.  
CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)

Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-03-2017  
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)

Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.

Violation Notes: Returned to compliance on 09/05/2019.  
Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Site ID: 19912  
Site Name: CITY OF SIERRA MADRE-MAINT YARD  
Violation Date: 11-05-2019  
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712

Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

Violation Notes: CERS,NO CUPA PERM @SITE; DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW- -UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE.  
CERS,PROVIDE PROOF OF CUPA PERM @SITE|REMAINING ITEMS:D.O. RPTS,OWN SIGNATURES,FLLW-UP ACTIONS DISCUSSED/FIXED@SITE& 11/8/18 MC(C938388)

Violation Division: Los Angeles County Department of Public Works  
Violation Program: UST  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-07-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Jose Reynoso  
Eval Division: Los Angeles County Fire Department  
Eval Program: CalARP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-07-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Dony King, Mechanic  
Eval Division: Los Angeles County Fire Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-06-2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: NOV-CERS UPDATE FOR FACILITY INFO,TANK INFO,MON PLAN,MON SITE PLAN;  
VRTLS 350 MON-CERT 110714,SCTR-070813,VR 208 SUMPS&UDC,MOD WELD TANK  
Eval Division: Los Angeles County Department of Public Works  
Eval Program: UST  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-12-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: NOV-C:OSDO & LTMP NOT CURRENT.FILL/STP SUMPS - NO LIQUID. SPILL BKTS,  
UDCS-NO LIQUID.SENSORS SET AT LOWEST POINT.  
Eval Division: Los Angeles County Department of Public Works  
Eval Program: UST  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-07-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Jose Reynoso  
Eval Division: Los Angeles County Fire Department  
Eval Program: HMRRP  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-30-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Los Angeles County Fire Department  
Eval Program: HMRRP  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-30-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Los Angeles County Fire Department  
Eval Program: CalARP  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-03-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: NOV-C:CERS CORRECT,SENSORS&TESTBOOT WRONG POSITION,DO REPORTS INCOMP  
,TRAINED EMP.NOT ON SITE,CRACKED FITTINGS,2016 MON.CERT MISS.LIQ UDC  
Eval Division: Los Angeles County Department of Public Works  
Eval Program: UST  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-08-2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF SIERRA MADRE (Continued)

U003777005

Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: CTLS/SPBK 16' NOT SUBMITTED W/IN 30 DAYS; OVRFL INSP. CONDUCTED LATE ;CERS CORRECTIONS;INTEGRITY TEST FOR PENETRATION FITTING; D.O 16-17'  
Eval Division: Los Angeles County Department of Public Works  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-26-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: CHRIS CIMINO MANAGER MAY NEED TO DISPOSE FILTERS FROM WATER FILTERATION AS HAZ. WASTE.DEDICATE A CONTAINER FOR DISPOSING EMPTY SPRAY CANS.  
Eval Division: Los Angeles County Fire Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-07-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: NOVC: CERS CORRECTIONS(TANK INFO/FINANCIAL RESPONSIBILITY/MONITORING PLAN); SENSORS OK; OTHER DOCUMENTS/CERTIFICATIONS ONSITE & CURRENT  
Eval Division: Los Angeles County Department of Public Works  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-05-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: NOVC:CERS,NO CUPA PERM @SITE;DO RPTS:OWNER NOT SIGN SEPT/OCT;FOLLOW--UP NOT LISTED;3 DO RPTS LATE;11/8/18 MC NOT SUBMITTED OR ON SITE.  
Eval Division: Los Angeles County Department of Public Works  
Eval Program: UST  
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Legal Owner  
Entity Name: CITY OF SIERRA MADRE  
Entity Title: Not reported  
Affiliation Address: 232 W SIERRA MADRE BLVD  
Affiliation City: SIERRA MADRE  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 91024  
Affiliation Phone: (626) 355-7135

Affiliation Type Desc: Operator  
Entity Name: CHRIS CIMINO  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 355-6615
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Chris Cimino
Entity Title:	Deputy director Of Public Works
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 355-6615
Affiliation Type Desc:	Document Preparer
Entity Name:	CHRIS CIMINO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	232 W SIERRA MADRE BLVD
Affiliation City:	SIERRA MADRE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91024
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Chris Cimino
Entity Title:	Deputy Director of Public Works
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CITY OF SIERRA MADRE-MAINT YARD
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:	UST Property Owner Name
Entity Name:	SierraMadre Cem Assn
Entity Title:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF SIERRA MADRE (Continued)**

**U003777005**

Affiliation Address: 232 W Sierra Madre Ave  
Affiliation City: Sierra Madre  
Affiliation State: Not reported  
Affiliation Country: United States  
Affiliation Zip: Not reported  
Affiliation Phone: (626) 355-6615

Affiliation Type Desc: UST Tank Owner  
Entity Name: CITY OF SIERRA MADRE  
Entity Title: Not reported  
Affiliation Address: 232 W Sierra Madre Ave  
Affiliation City: Sierra Madre  
Affiliation State: Not reported  
Affiliation Country: United States  
Affiliation Zip: Not reported  
Affiliation Phone: (626) 355-6615

Affiliation Type Desc: UST Tank Operator  
Entity Name: CITY OF SIERRA MADRE  
Entity Title: Not reported  
Affiliation Address: 232 W Sierra Madre Ave  
Affiliation City: Sierra Madre  
Affiliation State: ca  
Affiliation Country: United States  
Affiliation Zip: 91024  
Affiliation Phone: (626) 355-6615

Affiliation Type Desc: CUPA District  
Entity Name: Los Angeles County Fire  
Entity Title: Not reported  
Affiliation Address: 5825 Rickenbacker Road  
Affiliation City: Commerce  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 90040-3027  
Affiliation Phone: (323) 890-4045

Affiliation Type Desc: Environmental Contact  
Entity Name: CHRIS CIMINO  
Entity Title: Not reported  
Affiliation Address: 232 W SIERRA MADRE BLVD  
Affiliation City: SIERRA MADRE  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 91024  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: SIERRA MADRE CEMETERY ASSN.  
Entity Title: Not reported  
Affiliation Address: 621 E SIERRA MADRE BLVD  
Affiliation City: SIERRA MADRE  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 91024  
Affiliation Phone: (626) 355-6615

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A6  
SSE  
1/8-1/4  
0.202 mi.  
1067 ft.

LA COUNTY SANITATION DISTRICT/SIERRA MADRE CITY YA  
621 E SIERRA MADRE BLVD  
SIERRA MADRE, CA 91024

RCRA NonGen / NLR

1025865542  
CAH111001504

Site 4 of 7 in cluster A

Relative:  
Lower

RCRA NonGen / NLR:

Actual:  
683 ft.

Date form received by agency: 2019-05-30 00:00:00.0  
Facility name: LA COUNTY SANITATION DISTRICT/SIERRA MADRE CITY YARD  
Facility address: 621 E SIERRA MADRE BLVD  
SIERRA MADRE, CA 91024  
EPA ID: CAH111001504  
Mailing address: 1955 WORKMAN MILL ROAD  
WHITTIER, CA 90601  
Contact: LISA SCALES  
Contact address: 1955 WORKMAN MILL ROAD  
WHITTIER, CA 90601  
Contact country: Not reported  
Contact telephone: 562-908-4288  
Contact email: LSCALES@LACSD.ORG  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CO SANITATION DISTRICTS OF LA CO  
Owner/operator address: 1955 WORKMAN MILL ROAD  
WHITTIER, CA 90601  
Owner/operator country: Not reported  
Owner/operator telephone: 562-908-4288  
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: LISA SCALES  
Owner/operator address: 1955 WORKMAN MILL ROAD  
WHITTIER, CA 90601  
Owner/operator country: Not reported  
Owner/operator telephone: 562-908-4288  
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: Yes  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: Yes  
Underground injection activity: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LA COUNTY SANITATION DISTRICT/SIERRA MADRE CITY YARD (Continued)**

**1025865542**

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

**A7**  
**SSE**  
**1/8-1/4**  
**0.204 mi.**  
**1075 ft.**

**SIERRA MADRE DUMP**  
**631 EAST SIERRA MADRE BOULEVARD**  
**SIERRA MADRE, CA 91024**

**SWF/LF S111076092**  
**N/A**

**Site 5 of 7 in cluster A**

**Relative:**  
**Lower**  
**Actual:**  
**683 ft.**

LOS ANGELES CO. LF:

Name: SIERRA MADRE DUMP  
 Address: 631 EAST SIERRA MADRE BOULEVARD  
 City,State,Zip: SIERRA MADRE, CA 91024  
 Site ID: 2022  
 Alt. Address: Not reported  
 Site Contact: Not reported  
 Site Contact Phone: Not reported  
 Site Email: Not reported  
 Site Website: Not reported  
 Site Type: Unknown  
 Site SWIS Number: 19-AA-5213  
 Beginning Operation Date: Not reported  
 Ending Operation Date: Not reported  
 Local Enforcement Agency: County Public Health  
 Maximun Depth Fill(Ft): Not reported  
 Permitted Capacity: Not reported  
 Present Use: Siera Madre City Recreational Center  
 Remaining Capacity(Million): Not reported  
 Status: Closed  
 Waste Accepted: Inert  
 Hours of Operation: Not reported  
 Disposal Area (Acre): Not reported

Detail As Of 01/2014:

Operator Name: City of Siera Madre - Maintenance Yard  
 Operator Address: Not reported  
 Operator City/State/Zip: Not reported  
 Operator Contact: Not reported  
 Operator Telephone: Not reported  
 Operator Email: Not reported  
 Owner Name: City of Sierra Madre  
 Owner Address: 232 North Sierra Madre Blvd  
 Owner City/State/Zip: Sierra Madre, CA 91204  
 Owner Contact: Not reported  
 Owner Telephone: (818) 355-7135  
 Owner Email: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A8**  
**SSE**  
**1/8-1/4**  
**0.204 mi.**  
**1075 ft.**

**SIERRA MADRE CITY LANDFILL**  
**631 EAST SIERRA MADRE BOULEVARD**  
**SIERRA MADRE, CA**

**WMUDS/SWAT**    **S101613006**  
**N/A**

**Site 6 of 7 in cluster A**

**Relative:**  
**Lower**

WMUDS/SWAT:

**Actual:**  
**683 ft.**

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CITY OF SIERRA MADRE
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
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:	CITY OF SIERRA MADRE
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190202NUR
Solid Waste Information ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

9  
ENE  
1/8-1/4  
0.222 mi.  
1170 ft.

**JOE MONG & ERICA LI**  
**1850 ANITA CREST DRIVE**  
**ARCADIA, CA 91006**

**RCRA NonGen / NLR**    **1024755175**  
**CAC002974995**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**748 ft.**

Date form received by agency: 2018-08-09 00:00:00.0  
Facility name: JOE MONG & ERICA LI  
Facility address: 1850 ANITA CREST DRIVE  
ARCADIA, CA 91006  
EPA ID: CAC002974995  
Contact: JOE MONG & ERICA LI  
Contact address: 1850 ANITA CREST DRIVE  
ARCADIA, CA 91006  
Contact country: Not reported  
Contact telephone: 626-482-9492  
Contact email: JOEMONG@GMAIL.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOE MONG & ERICA LI  
Owner/operator address: 1850 ANITA CREST DRIVE  
ARCADIA, CA 91006  
Owner/operator country: Not reported  
Owner/operator telephone: 626-482-9492  
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: JOE MONG & ERICA LI  
Owner/operator address: 1850 ANITA CREST DRIVE  
ARCADIA, CA 91006  
Owner/operator country: Not reported  
Owner/operator telephone: 626-482-9492  
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: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOE MONG & ERICA LI (Continued)**

1024755175

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

A10  
SSE  
1/8-1/4  
0.229 mi.  
1207 ft.

**JOE COOPER**  
**15 MONTEREY LANE**  
**SIERRA MADRE, CA 91024**

RCRA NonGen / NLR

1025845059  
CAC003024680

Site 7 of 7 in cluster A

Relative:  
Lower

RCRA NonGen / NLR:

Actual:  
677 ft.

Date form received by agency: 2019-07-18 00:00:00.0  
Facility name: JOE COOPER  
Facility address: 15 MONTEREY LANE  
SIERRA MADRE, CA 91024  
EPA ID: CAC003024680  
Contact: JOE COOPER  
Contact address: 15 MONTEREY LANE  
SIERRA MADRE, CA 91024  
Contact country: Not reported  
Contact telephone: 626-399-9008  
Contact email: ANAB@PWSEI.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOE COOPER  
Owner/operator address: 15 MONTEREY LANE  
SIERRA MADRE, CA 91024  
Owner/operator country: Not reported  
Owner/operator telephone: 626-399-9008  
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: JOE COOPER  
Owner/operator address: 15 MONTEREY LANE  
SIERRA MADRE, CA 91024  
Owner/operator country: Not reported  
Owner/operator telephone: 626-399-9008  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOE COOPER (Continued)**

**1025845059**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

11  
NNE  
1/8-1/4  
0.245 mi.  
1292 ft.

**DANIEL HARVEY**  
**634 VALLE VISTA DR**  
**SIERRA MADRE, CA 91024**

RCRA NonGen / NLR

**1024768618**  
**CAC002988501**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**843 ft.**

Date form received by agency: 2018-11-08 00:00:00.0  
Facility name: DANIEL HARVEY  
Facility address: 634 VALLE VISTA DR  
SIERRA MADRE, CA 91024  
EPA ID: CAC002988501  
Contact: DANIEL HARVEY  
Contact address: 634 VALLE VISTA DR  
SIERRA MADRE, CA 91024  
Contact country: Not reported  
Contact telephone: 626-355-8388  
Contact email: MANIFEST.SIRRIIS@GMAIL.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DANIEL HARVEY  
Owner/operator address: 634 VALLE VISTA DR  
SIERRA MADRE, CA 91024  
Owner/operator country: Not reported  
Owner/operator telephone: 626-355-8388  
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: DANIEL HARVEY  
Owner/operator address: 634 VALLE VISTA DR  
SIERRA MADRE, CA 91024

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DANIEL HARVEY (Continued)**

**1024768618**

Owner/operator country: Not reported  
 Owner/operator telephone: 626-355-8388  
 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: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

12  
 SE  
 1/4-1/2  
 0.313 mi.  
 1652 ft.

**MOE'S AUTOMOTIVE SERVICE CTR**  
**125 SIERRA MADRE**  
**SIERRA MADRE, CA 91024**

**CPS-SLIC S104915021**  
**N/A**

Relative:  
 Lower  
 Actual:  
 655 ft.

SLIC REG 4:  
 Region: 4  
 Facility Status: No further action required  
 SLIC: 1011  
 Substance: PCE  
 Staff: RE

13  
 ENE  
 1/4-1/2  
 0.351 mi.  
 1852 ft.

**LA CO FD FIRE STA #108**  
**1901 STONEHOUSE RD**  
**SIERRA MADRE, CA 91024**

**LUST S102058248**  
**SWEEPS UST N/A**  
**Cortese**  
**HIST CORTESE**  
**LOS ANGELES CO. HMS**  
**CERS**

Relative:  
 Higher  
 Actual:  
 797 ft.

LUST:  
 Name: LA CO FD FIRE STA #108  
 Address: 1901 STONEHOUSE RD N  
 City,State,Zip: SIERRA MADRE, CA 91024  
 Lead Agency: LOS ANGELES COUNTY  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603705223](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705223)  
 Global Id: T0603705223

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LA CO FD FIRE STA #108 (Continued)

S102058248

Latitude: 34.167134  
Longitude: -118.035204  
Status: Completed - Case Closed  
Status Date: 02/01/1996  
Case Worker: JOA  
RB Case Number: R-14235  
Local Agency: LOS ANGELES COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Aviation  
Site History: Not reported

LUST:

Global Id: T0603705223  
Contact Type: Local Agency Caseworker  
Contact Name: JOHN AWUJO  
Organization Name: LOS ANGELES COUNTY  
Address: 900 S FREMONT AVE  
City: ALHAMBRA  
Email: jawujo@dpw.lacounty.gov  
Phone Number: 6264583507

Global Id: T0603705223  
Contact Type: Regional Board Caseworker  
Contact Name: YUE RONG  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: 320 W. 4TH ST., SUITE 200  
City: Los Angeles  
Email: yrong@waterboards.ca.gov  
Phone Number: Not reported

LUST:

Global Id: T0603705223  
Action Type: Other  
Date: 02/01/1996  
Action: Leak Reported

LUST:

Global Id: T0603705223  
Status: Completed - Case Closed  
Status Date: 02/01/1996

Global Id: T0603705223  
Status: Open - Case Begin Date  
Status Date: 02/01/1996

LUST REG 4:

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: R-14235  
Status: Case Closed  
Substance: 1  
Substance Quantity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LA CO FD FIRE STA #108 (Continued)

S102058248

Local Case No: Not reported  
Case Type: Soil  
Abatement Method Used at the Site: Not reported  
Global ID: T0603705223  
W Global ID: Not reported  
Staff: UNK  
Local Agency: 19000  
Cross Street: Not reported  
Enforcement Type: Not reported  
Date Leak Discovered: Not reported  
Date Leak First Reported: 2/1/1996  
Date Leak Record Entered: 5/1/1996  
Date Confirmation Began: Not reported  
Date Leak Stopped: Not reported  
Date Case Last Changed on Database: 2/1/1996  
Date the Case was Closed: 2/1/1996  
How Leak Discovered: Not reported  
How Leak Stopped: Not reported  
Cause of Leak: Not reported  
Leak Source: Not reported  
Operator: Not reported  
Water System: Not reported  
Well Name: Not reported  
Approx. Dist To Production Well (ft): 523.5274281190258719313229058  
Source of Cleanup Funding: Not reported  
Preliminary Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Remediation Plan Submitted: Not reported  
Remedial Action Underway: Not reported  
Post Remedial Action Monitoring Began: Not reported  
Enforcement Action Date: Not reported  
Historical Max MTBE Date: Not reported  
Hist Max MTBE Conc in Groundwater: Not reported  
Hist Max MTBE Conc in Soil: Not reported  
Significant Interim Remedial Action Taken: Not reported  
GW Qualifier: Not reported  
Soil Qualifier: Not reported  
Organization: Not reported  
Owner Contact: Not reported  
Responsible Party: LA COUNTY FIRE DEPT  
RP Address: 1320 NORTH EASTERN AVE, LOS ANGELES CA 90063-3294  
Program: LUST  
Lat/Long: 34.1669319 / -1  
Local Agency Staff: Not reported  
Beneficial Use: Not reported  
Priority: Not reported  
Cleanup Fund Id: Not reported  
Suspended: Not reported  
Assigned Name: Not reported  
Summary: Not reported

SWEEPS UST:

Name: LA CO FS # 108  
Address: 1901 N STONEHOUSE RD  
City: SIERRA MADRE  
Status: Active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LA CO FD FIRE STA #108 (Continued)**

**S102058248**

Comp Number: 14235  
Number: 9  
Board Of Equalization: 44-010382  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-014235-000001  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: 2

Name: LA CO FS # 108  
Address: 1901 N STONEHOUSE RD  
City: SIERRA MADRE  
Status: Active  
Comp Number: 14235  
Number: 9  
Board Of Equalization: 44-010382  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-014235-000002  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

**CORTESE:**

Name: LA CO FD FIRE STA #108  
Address: 1901 STONEHOUSE RD N  
City,State,Zip: SIERRA MADRE, CA 91024  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0603705223  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LA CO FD FIRE STA #108 (Continued)**

**S102058248**

WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**HIST CORTESE:**

edr\_fname: LA CO FD FIRE STA #108  
edr\_fadd1: 1901 STONEHOUSE  
City,State,Zip: SIERRA MADRE, CA 91024  
Region: CORTESE  
Facility County Code: 19  
Reg By: LTNKA  
Reg Id: R-14235

**LOS ANGELES CO. HMS:**

Name: LA CO FD FIRE STA #108  
Address: 1901 STONEHOUSE RD  
City,State,Zip: SIERRA MADRE, CA 910241409  
Region: LA  
Permit Category: T  
Facility Id: 013800-014235  
Facility Type: 0  
Facility Status: Removed  
Area: 3W  
Permit Number: 00005580T  
Permit Status: Removed

**CERS:**

Name: LA CO FD FIRE STA #108  
Address: 1901 STONEHOUSE RD N  
City,State,Zip: SIERRA MADRE, CA 91024  
Site ID: 244713  
CERS ID: T0603705223  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)  
Entity Title: Not reported  
Affiliation Address: 320 W. 4TH ST., SUITE 200  
Affiliation City: Los Angeles  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY  
Entity Title: Not reported  
Affiliation Address: 900 S FREMONT AVE  
Affiliation City: ALHAMBRA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 6264583507

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S102564468	MOUNT DISAPPOINTMENT AIR NATIONAL	4 MILES NORTHEAST OF MOUNT WIL	91024	ENVIROSTOR
SIERRA MADRE	S108407393		LOS ANGELES COUNTY HHWD COLLEC	91024	CDL

# 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: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: N/A  
Last EDR Contact: 09/03/2020  
Next Scheduled EDR Contact: 10/12/2020  
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: 07/02/2020  
Next Scheduled EDR Contact: 10/12/2020  
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 known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 09/03/2020  
Next Scheduled EDR Contact: 10/26/2020  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: 800-424-9346
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/26/2020
	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: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/23/2020
	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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2020

Date Data Arrived at EDR: 03/24/2020

Date Made Active in Reports: 06/18/2020

Number of Days to Update: 86

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/22/2020

Next Scheduled EDR Contact: 10/05/2020

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: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

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

Date of Government Version: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

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 inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/11/2020

Date Data Arrived at EDR: 05/12/2020

Date Made Active in Reports: 07/27/2020

Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/10/2020

Next Scheduled EDR Contact: 11/23/2020

Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 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 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 09/26/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: No Update Planned

## LUST: 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: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Quarterly

## 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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-8677
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-7439
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/29/2020	Source: EPA Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/15/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6271
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/08/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3372
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 06/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 02/01/2020  
Date Data Arrived at EDR: 03/19/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 82

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 07/06/2020  
Next Scheduled EDR Contact: 10/19/2020  
Data Release Frequency: Varies

### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/20/2020  
Number of Days to Update: 72

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	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: 05/26/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 916-327-7844
Date Made Active in Reports: 08/20/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 09/15/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/28/2020
	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: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-9424
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/02/2020
	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: 04/03/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020	Source: EPA Region 9
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3368
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/01/2020
	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: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

## ***State and tribal voluntary cleanup sites***

### 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: 04/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 07/13/2020	Last EDR Contact: 07/27/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/17/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

### **State and tribal Brownfields sites**

#### BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/22/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-7905
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/05/2020
	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: 06/01/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/02/2020	Telephone: 202-566-2777
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 09/15/2020
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/28/2020
	Data Release Frequency: Semi-Annually

#### **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/21/2020  
Next Scheduled EDR Contact: 11/09/2020  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020  
Date Data Arrived at EDR: 05/29/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 75

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 08/04/2020  
Next Scheduled EDR Contact: 11/23/2020  
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: 07/21/2020  
Next Scheduled EDR Contact: 11/09/2020  
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: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
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 Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 07/31/2020  
Next Scheduled EDR Contact: 11/09/2020  
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: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 08/19/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/07/2020
	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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 07/13/2020	Last EDR Contact: 07/27/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/09/2020
	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: 06/30/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2020	Telephone: 916-255-6504
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/19/2020
	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: 04/20/2020	Source: CalEPA
Date Data Arrived at EDR: 04/21/2020	Telephone: 916-323-2514
Date Made Active in Reports: 07/13/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/02/2020
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020  
Date Data Arrived at EDR: 03/19/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 82

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/19/2020  
Next Scheduled EDR Contact: 12/07/2020  
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: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
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: 05/20/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/06/2020  
Number of Days to Update: 78

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 08/17/2020  
Next Scheduled EDR Contact: 12/07/2020  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/04/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 07/17/2020  
Number of Days to Update: 72

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Varies

## CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/20/2020  
Date Data Arrived at EDR: 04/21/2020  
Date Made Active in Reports: 07/09/2020  
Number of Days to Update: 79

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 07/21/2020  
Next Scheduled EDR Contact: 11/02/2020  
Data Release Frequency: Quarterly

## CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994  
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

## **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: 05/28/2020  
Date Data Arrived at EDR: 05/29/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 75

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/25/2020  
Next Scheduled EDR Contact: 12/14/2020  
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: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 09/03/2020  
Next Scheduled EDR Contact: 10/12/2020  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/01/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 06/02/2020	Telephone: 916-323-3400
Date Made Active in Reports: 08/14/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 12/14/2020
	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: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	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: 03/31/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/21/2020	Telephone: 916-845-8400
Date Made Active in Reports: 07/09/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 11/02/2020
	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: 06/08/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	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: 06/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 05/13/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/18/2020	Telephone: 202-528-4285
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 08/13/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/30/2020
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/19/2020
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 08/05/2020  
Next Scheduled EDR Contact: 11/23/2020  
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: 06/15/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 80

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 06/22/2020  
Next Scheduled EDR Contact: 10/05/2020  
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: 07/31/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 08/06/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 06/17/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 06/17/2020  
Next Scheduled EDR Contact: 09/28/2020  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 79

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 08/14/2020  
Next Scheduled EDR Contact: 11/30/2020  
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: 03/01/2020  
Date Data Arrived at EDR: 04/21/2020  
Date Made Active in Reports: 07/15/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/21/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/03/2020  
Next Scheduled EDR Contact: 12/14/2020  
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: 01/31/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 08/03/2020  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 07/15/2020  
Next Scheduled EDR Contact: 11/02/2020  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/16/2020
	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	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 07/13/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 07/20/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/02/2020
	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	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 09/04/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/14/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/31/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/14/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/06/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/16/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/12/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 07/27/2020  
Next Scheduled EDR Contact: 11/09/2020  
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: 06/30/2020  
Date Data Arrived at EDR: 07/15/2020  
Date Made Active in Reports: 07/21/2020  
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 07/06/2020  
Next Scheduled EDR Contact: 10/19/2020  
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: 06/22/2020  
Next Scheduled EDR Contact: 10/05/2020  
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: 07/07/2020  
Next Scheduled EDR Contact: 10/19/2020  
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: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 08/21/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 09/03/2020  
Next Scheduled EDR Contact: 10/12/2020  
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 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## 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: 05/01/2020  
Date Data Arrived at EDR: 05/21/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/25/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: Semi-Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2020  
Date Data Arrived at EDR: 05/28/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admi  
Telephone: 202-693-9424  
Last EDR Contact: 09/10/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Quarterly

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020  
Date Data Arrived at EDR: 05/27/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 78

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/28/2020  
Next Scheduled EDR Contact: 12/07/2020  
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: 08/28/2020  
Next Scheduled EDR Contact: 12/07/2020  
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: 06/22/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 80

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 09/01/2020  
Next Scheduled EDR Contact: 12/21/2020  
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: 02/03/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 86

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 09/15/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Quarterly

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020  
Date Data Arrived at EDR: 04/07/2020  
Date Made Active in Reports: 06/26/2020  
Number of Days to Update: 80

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 07/02/2020  
Next Scheduled EDR Contact: 10/19/2020  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Varies

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 08/19/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/07/2020
	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: 05/18/2020	Source: EPA
Date Data Arrived at EDR: 05/19/2020	Telephone: 800-385-6164
Date Made Active in Reports: 08/03/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/30/2020
	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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/22/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-3400
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

## CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/04/2020	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 05/06/2020	Telephone: 415-252-3896
Date Made Active in Reports: 07/17/2020	Last EDR Contact: 07/28/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/16/2020
	Data Release Frequency: Varies

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/14/2020  
Next Scheduled EDR Contact: 11/23/2020  
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: 05/28/2020  
Date Data Arrived at EDR: 05/29/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 75

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 08/25/2020  
Next Scheduled EDR Contact: 12/14/2020  
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: 06/04/2020  
Date Data Arrived at EDR: 06/05/2020  
Date Made Active in Reports: 08/17/2020  
Number of Days to Update: 73

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 08/24/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Annually

**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: 08/19/2020  
Date Data Arrived at EDR: 08/21/2020  
Date Made Active in Reports: 09/04/2020  
Number of Days to Update: 14

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 08/17/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: Varies

**EMI:** Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 06/16/2020  
Date Made Active in Reports: 08/28/2020  
Number of Days to Update: 73

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 06/16/2020  
Next Scheduled EDR Contact: 09/28/2020  
Data Release Frequency: Varies

**ENF:** Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/03/2020  
Date Data Arrived at EDR: 04/07/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 8

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 07/21/2020  
Next Scheduled EDR Contact: 11/02/2020  
Data Release Frequency: Varies

**Financial Assurance 1:** Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/09/2020  
Date Data Arrived at EDR: 04/10/2020  
Date Made Active in Reports: 07/01/2020  
Number of Days to Update: 82

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/14/2020	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 05/15/2020	Telephone: 916-341-6066
Date Made Active in Reports: 07/27/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/23/2020
	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: 12/31/2019	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 04/15/2020	Telephone: 916-255-1136
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/19/2020	Telephone: 877-786-9427
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/30/2020
	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	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: 05/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/18/2020	Telephone: 916-323-3400
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/30/2020
	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: 04/06/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/08/2020	Telephone: 916-440-7145
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/07/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 06/09/2020	Telephone: 916-322-1080
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	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: 05/28/2020	Source: Department of Public Health
Date Data Arrived at EDR: 06/02/2020	Telephone: 916-558-1784
Date Made Active in Reports: 08/14/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/12/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/12/2020	Telephone: 916-445-9379
Date Made Active in Reports: 07/28/2020	Last EDR Contact: 08/10/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/23/2020
	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: 06/01/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 06/02/2020	Telephone: 916-445-4038
Date Made Active in Reports: 08/14/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 06/09/2020	Telephone: 916-323-3836
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	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: 08/21/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/21/2020	Telephone: 916-445-3846
Date Made Active in Reports: 08/27/2020	Last EDR Contact: 08/20/2020
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/28/2020
	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: 06/06/2020	Source: Department of Conservation
Date Data Arrived at EDR: 06/09/2020	Telephone: 916-445-2408
Date Made Active in Reports: 08/20/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 06/08/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	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: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 08/11/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/30/2020
	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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/17/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
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: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/20/2020  
Number of Days to Update: 72

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
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: 06/01/2020  
Date Data Arrived at EDR: 06/02/2020  
Date Made Active in Reports: 08/14/2020  
Number of Days to Update: 73

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 08/31/2020  
Next Scheduled EDR Contact: 12/14/2020  
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: 04/20/2020  
Date Data Arrived at EDR: 04/21/2020  
Date Made Active in Reports: 07/13/2020  
Number of Days to Update: 83

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 07/21/2020  
Next Scheduled EDR Contact: 11/02/2020  
Data Release Frequency: Varies

## NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Varies

## OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
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: 06/08/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/19/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Varies

## HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2020  
Date Data Arrived at EDR: 04/09/2020  
Date Made Active in Reports: 07/01/2020  
Number of Days to Update: 83

Source: Department of Toxic Substances Control  
Telephone: 916-324-2444  
Last EDR Contact: 08/02/2020  
Next Scheduled EDR Contact: 10/18/2020  
Data Release Frequency: Varies

## PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 07/01/2020  
Next Scheduled EDR Contact: 10/19/2020  
Data Release Frequency: Varies

## PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 55

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 09/11/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018	Source: USGS
Date Data Arrived at EDR: 10/21/2019	Telephone: 703-648-6533
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 08/28/2020
Number of Days to Update: 3	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

## PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014	Source: EPA
Date Data Arrived at EDR: 01/06/2015	Telephone: 202-564-2496
Date Made Active in Reports: 05/06/2015	Last EDR Contact: 07/09/2020
Number of Days to Update: 120	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Semi-Annually

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019  
Date Data Arrived at EDR: 01/11/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 53

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 06/30/2020  
Next Scheduled EDR Contact: 10/19/2020  
Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/30/2020  
Date Data Arrived at EDR: 07/01/2020  
Date Made Active in Reports: 07/17/2020  
Number of Days to Update: 16

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 06/30/2020  
Next Scheduled EDR Contact: 10/19/2020  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020  
Date Data Arrived at EDR: 05/19/2020  
Date Made Active in Reports: 06/01/2020  
Number of Days to Update: 13

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 06/30/2020  
Next Scheduled EDR Contact: 10/19/2020  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 06/17/2020  
Date Data Arrived at EDR: 06/18/2020  
Date Made Active in Reports: 09/02/2020  
Number of Days to Update: 76

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 06/17/2020  
Next Scheduled EDR Contact: 10/05/2020  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020  
Date Data Arrived at EDR: 04/23/2020  
Date Made Active in Reports: 07/10/2020  
Number of Days to Update: 78

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 04/01/2020  
Date Data Arrived at EDR: 04/20/2020  
Date Made Active in Reports: 07/06/2020  
Number of Days to Update: 77

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 07/21/2020  
Next Scheduled EDR Contact: 11/09/2020  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 04/16/2020  
Date Data Arrived at EDR: 04/20/2020  
Date Made Active in Reports: 07/08/2020  
Number of Days to Update: 79

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 08/13/2020  
Next Scheduled EDR Contact: 11/09/2020  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 05/07/2020  
Date Data Arrived at EDR: 05/07/2020  
Date Made Active in Reports: 07/23/2020  
Number of Days to Update: 77

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 08/13/2020  
Next Scheduled EDR Contact: 11/09/2020  
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: 01/10/2020  
Date Data Arrived at EDR: 03/31/2020  
Date Made Active in Reports: 06/15/2020  
Number of Days to Update: 76

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 06/30/2020  
Next Scheduled EDR Contact: 10/12/2020  
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: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
Data Release Frequency: No Update Planned

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 05/19/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 06/15/2020  
Number of Days to Update: 26

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/09/2020  
Date Data Arrived at EDR: 04/10/2020  
Date Made Active in Reports: 07/01/2020  
Number of Days to Update: 82

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

## KERN COUNTY:

### CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 04/29/2020  
Date Data Arrived at EDR: 05/05/2020  
Date Made Active in Reports: 08/26/2020  
Number of Days to Update: 113

Source: Kern County Public Health  
Telephone: 661-321-3000  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Varies

### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 04/29/2020  
Date Data Arrived at EDR: 05/05/2020  
Date Made Active in Reports: 07/17/2020  
Number of Days to Update: 73

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 05/11/2020  
Date Data Arrived at EDR: 05/12/2020  
Date Made Active in Reports: 07/27/2020  
Number of Days to Update: 76

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 08/21/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

## LAKE COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 04/20/2020  
Date Data Arrived at EDR: 04/28/2020  
Date Made Active in Reports: 07/14/2020  
Number of Days to Update: 77

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 07/08/2020  
Next Scheduled EDR Contact: 10/26/2020  
Data Release Frequency: Varies

## LASSEN COUNTY:

### CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020  
Date Data Arrived at EDR: 01/31/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 69

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 08/11/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 09/10/2020  
Next Scheduled EDR Contact: 12/28/2020  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/26/2020  
Date Data Arrived at EDR: 03/26/2020  
Date Made Active in Reports: 06/15/2020  
Number of Days to Update: 81

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 06/30/2020  
Next Scheduled EDR Contact: 10/19/2020  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/13/2020  
Date Data Arrived at EDR: 04/14/2020  
Date Made Active in Reports: 07/01/2020  
Number of Days to Update: 78

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 07/13/2020  
Next Scheduled EDR Contact: 10/26/2020  
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: 07/08/2020  
Next Scheduled EDR Contact: 10/26/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	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	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 08/11/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/26/2020
	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	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	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	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	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: 03/25/2020	Source: Community Health Services
Date Data Arrived at EDR: 04/14/2020	Telephone: 323-890-7806
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 07/17/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/26/2020
	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	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/08/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank  
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/14/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/02/2020
	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	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 07/14/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/02/2020
	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: 02/24/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 02/25/2020	Telephone: 559-675-7823
Date Made Active in Reports: 05/07/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/30/2020
	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	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 06/24/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 07/28/2020	Source: Merced County Environmental Health
Date Data Arrived at EDR: 07/30/2020	Telephone: 209-381-1094
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Varies

MONO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 05/15/2020  
Date Data Arrived at EDR: 06/02/2020  
Date Made Active in Reports: 08/14/2020  
Number of Days to Update: 73

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 08/19/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020  
Date Data Arrived at EDR: 07/15/2020  
Date Made Active in Reports: 07/31/2020  
Number of Days to Update: 16

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 07/08/2020  
Next Scheduled EDR Contact: 10/12/2020  
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: 08/19/2020  
Next Scheduled EDR Contact: 12/07/2020  
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: 08/19/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 05/06/2020  
Date Data Arrived at EDR: 05/07/2020  
Date Made Active in Reports: 07/24/2020  
Number of Days to Update: 78

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 07/21/2020  
Next Scheduled EDR Contact: 11/09/2020  
Data Release Frequency: Varies

## ORANGE COUNTY:

### IND\_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2020  
Date Data Arrived at EDR: 05/08/2020  
Date Made Active in Reports: 07/24/2020  
Number of Days to Update: 77

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 07/31/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2020  
Date Data Arrived at EDR: 05/08/2020  
Date Made Active in Reports: 07/24/2020  
Number of Days to Update: 77

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 07/31/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2020  
Date Data Arrived at EDR: 05/05/2020  
Date Made Active in Reports: 07/17/2020  
Number of Days to Update: 73

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/03/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 06/08/2020  
Date Data Arrived at EDR: 06/10/2020  
Date Made Active in Reports: 08/24/2020  
Number of Days to Update: 75

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 08/25/2020  
Next Scheduled EDR Contact: 12/14/2020  
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: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 03/10/2020  
Date Data Arrived at EDR: 03/11/2020  
Date Made Active in Reports: 05/20/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 09/15/2020  
Next Scheduled EDR Contact: 12/28/2020  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020  
Date Data Arrived at EDR: 03/11/2020  
Date Made Active in Reports: 05/20/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 09/10/2020  
Next Scheduled EDR Contact: 12/28/2020  
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: 02/18/2020  
Date Data Arrived at EDR: 03/31/2020  
Date Made Active in Reports: 06/15/2020  
Number of Days to Update: 76

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 07/02/2020  
Next Scheduled EDR Contact: 10/12/2020  
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: 02/24/2020  
Date Data Arrived at EDR: 03/31/2020  
Date Made Active in Reports: 06/17/2020  
Number of Days to Update: 78

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 07/02/2020  
Next Scheduled EDR Contact: 10/12/2020  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/24/2020  
Date Data Arrived at EDR: 04/28/2020  
Date Made Active in Reports: 07/13/2020  
Number of Days to Update: 76

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 02/25/2020  
Date Data Arrived at EDR: 02/26/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/01/2020  
Date Data Arrived at EDR: 06/02/2020  
Date Made Active in Reports: 08/14/2020  
Number of Days to Update: 73

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 08/31/2020  
Next Scheduled EDR Contact: 12/14/2020  
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: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 04/09/2020  
Date Data Arrived at EDR: 04/10/2020  
Date Made Active in Reports: 06/26/2020  
Number of Days to Update: 77

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 08/25/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### LUST SAN FRANCISCO: Local Oversight 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: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: No Update Planned

### UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/04/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 07/17/2020  
Number of Days to Update: 72

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 09/10/2020  
Next Scheduled EDR Contact: 12/28/2020  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 05/08/2020  
Date Data Arrived at EDR: 05/08/2020  
Date Made Active in Reports: 08/03/2020  
Number of Days to Update: 87

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
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: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 09/11/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Annually

### LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 09/01/2020  
Next Scheduled EDR Contact: 12/21/2020  
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: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 05/08/2020  
Date Data Arrived at EDR: 05/12/2020  
Date Made Active in Reports: 07/27/2020  
Number of Days to Update: 76

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
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: 08/19/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: No Update Planned

## SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020  
Date Data Arrived at EDR: 04/24/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 13

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
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: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

## SOLANO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/25/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Quarterly

## UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/04/2020  
Date Made Active in Reports: 05/14/2020  
Number of Days to Update: 71

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 08/25/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 02/25/2020  
Date Data Arrived at EDR: 02/26/2020  
Date Made Active in Reports: 03/11/2020  
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 06/30/2020  
Next Scheduled EDR Contact: 10/05/2020  
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: 04/03/2020  
Date Data Arrived at EDR: 04/08/2020  
Date Made Active in Reports: 06/26/2020  
Number of Days to Update: 79

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 06/17/2020  
Next Scheduled EDR Contact: 10/05/2020  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 02/04/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 07/06/2020  
Next Scheduled EDR Contact: 10/26/2020  
Data Release Frequency: Varies

## SUTTER COUNTY:

### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/26/2020  
Date Data Arrived at EDR: 05/28/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 77

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 08/25/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/18/2020  
Date Data Arrived at EDR: 05/19/2020  
Date Made Active in Reports: 07/31/2020  
Number of Days to Update: 73

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 08/11/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 04/09/2020  
Date Data Arrived at EDR: 04/10/2020  
Date Made Active in Reports: 07/01/2020  
Number of Days to Update: 82

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 05/14/2020  
Date Data Arrived at EDR: 05/15/2020  
Date Made Active in Reports: 07/27/2020  
Number of Days to Update: 73

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 08/06/2020  
Next Scheduled EDR Contact: 11/16/2020  
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: 07/14/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 03/26/2020  
Date Data Arrived at EDR: 04/23/2020  
Date Made Active in Reports: 07/09/2020  
Number of Days to Update: 77

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 07/20/2020  
Next Scheduled EDR Contact: 11/02/2020  
Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/24/2020  
Next Scheduled EDR Contact: 10/12/2020  
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: 08/04/2020  
Next Scheduled EDR Contact: 11/23/2020  
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: 03/26/2020  
Date Data Arrived at EDR: 04/23/2020  
Date Made Active in Reports: 07/09/2020  
Number of Days to Update: 77

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 07/20/2020  
Next Scheduled EDR Contact: 11/02/2020  
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: 05/26/2020  
Date Data Arrived at EDR: 06/09/2020  
Date Made Active in Reports: 08/20/2020  
Number of Days to Update: 72

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 09/08/2020  
Next Scheduled EDR Contact: 12/21/2020  
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: 06/23/2020  
Date Data Arrived at EDR: 06/29/2020  
Date Made Active in Reports: 09/15/2020  
Number of Days to Update: 78

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 06/24/2020  
Next Scheduled EDR Contact: 10/12/2020  
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 04/29/2020  
Date Made Active in Reports: 07/17/2020  
Number of Days to Update: 79

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 08/04/2020  
Next Scheduled EDR Contact: 11/09/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/12/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/12/2020	Telephone: 860-424-3375
Date Made Active in Reports: 07/27/2020	Last EDR Contact: 08/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/19/2020
	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/29/2020	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2020	Last EDR Contact: 07/31/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2019	Telephone: 717-783-8990
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 53	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/02/2019	Telephone: 401-222-2797
Date Made Active in Reports: 12/10/2019	Last EDR Contact: 08/11/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/19/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 09/02/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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

**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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

## STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

SOLAR ARRAY CONSTRUCTION  
611 SIERRA MADRE BOULEVARD  
SIERRA MADRE, CA 91024

### **TARGET PROPERTY COORDINATES**

Latitude (North):	34.165357 - 34° 9' 55.29"
Longitude (West):	118.041318 - 118° 2' 28.74"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	404019.1
UTM Y (Meters):	3780785.5
Elevation:	767 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5636853 MOUNT WILSON, 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).

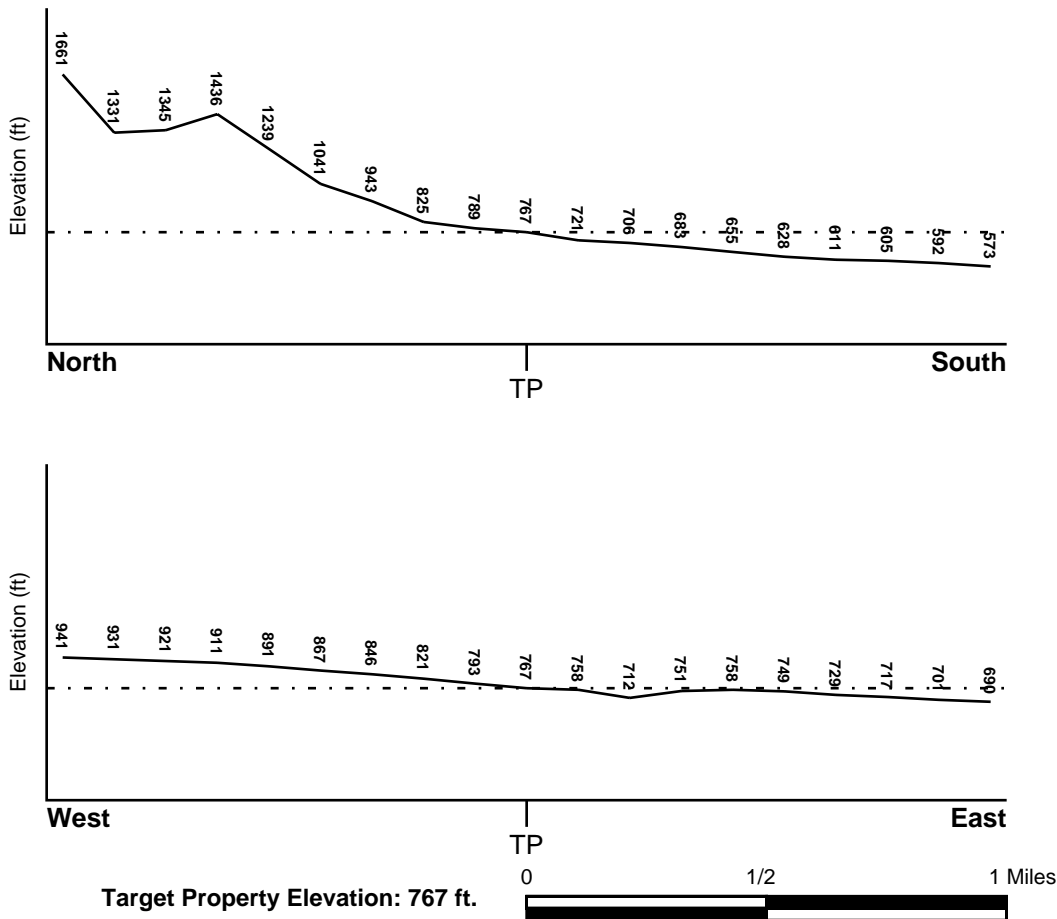
## TOPOGRAPHIC INFORMATION

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 SE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1400F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
MOUNT WILSON	YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*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).

## **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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam  
 gravelly - sandy loam  
 silt loam  
 clay  
 fine sand  
 gravelly - sand  
 sand  
 fine sandy loam

Surficial Soil Types: sandy loam  
 gravelly - sandy loam  
 silt loam  
 clay  
 fine sand  
 gravelly - sand  
 sand  
 fine sandy loam

Shallow Soil Types: fine sandy loam  
 gravelly - loam  
 sandy clay  
 sandy clay loam  
 clay  
 silty clay  
 sand

Deeper Soil Types: gravelly - sandy loam  
 sandy loam  
 very gravelly - sandy loam  
 stratified  
 very fine sandy loam  
 weathered bedrock  
 sand  
 gravelly - fine sandy loam  
 silty clay loam  
 clay loam

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B14	USGS40000142208	1/2 - 1 Mile SSE
B15	USGS40000142201	1/2 - 1 Mile SE
C17	USGS40000142207	1/2 - 1 Mile SE
C18	USGS40000142206	1/2 - 1 Mile SE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

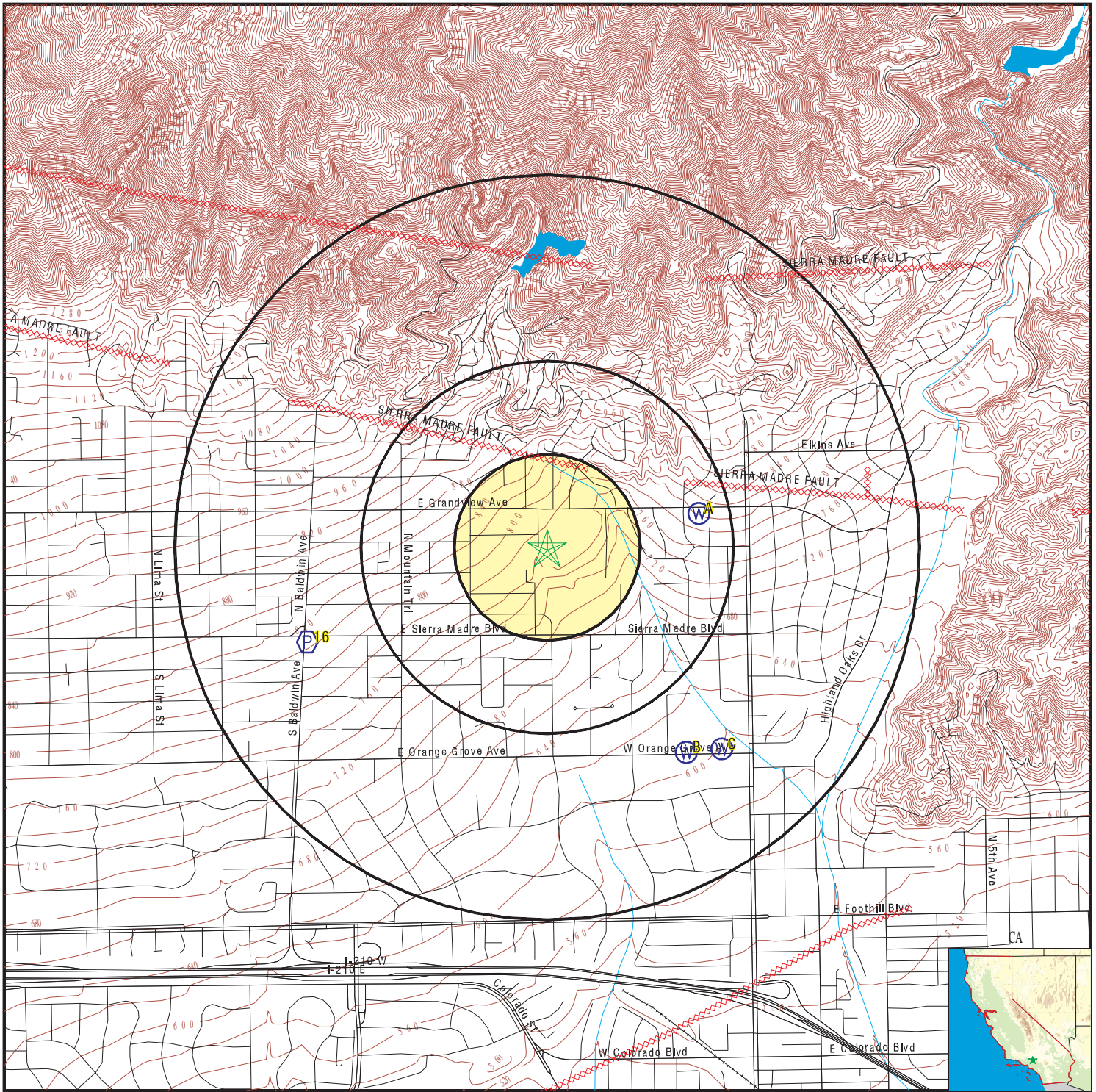
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
16	CA1910148	1/2 - 1 Mile WSW

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	418	1/4 - 1/2 Mile ENE
A2	417	1/4 - 1/2 Mile ENE
A3	416	1/4 - 1/2 Mile ENE
A4	421	1/4 - 1/2 Mile ENE
A5	420	1/4 - 1/2 Mile ENE
A6	419	1/4 - 1/2 Mile ENE
A7	415	1/4 - 1/2 Mile ENE
A8	409	1/4 - 1/2 Mile ENE
A9	22907	1/4 - 1/2 Mile ENE
A10	22906	1/4 - 1/2 Mile ENE
A11	414	1/4 - 1/2 Mile ENE
A12	413	1/4 - 1/2 Mile ENE
A13	410	1/4 - 1/2 Mile ENE

# PHYSICAL SETTING SOURCE MAP - 6191027.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

<p>SITE NAME: Solar Array Construction          ADDRESS: 611 Sierra Madre Boulevard          Sierra Madre CA 91024          LAT/LONG: 34.165357 / 118.041318</p>	<p>CLIENT: Padre Associates, Inc          CONTACT: Chris Prevost          INQUIRY #: 6191027.2s          DATE: September 16, 2020 9:58 am</p>
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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**CA WELLS      418**

Seq:	418	Prim sta c:	01N/11W-21G02 S
Frds no:	1910003011	County:	19
District:	07	User id:	4TH
System no:	1910003	Water type:	G
Source nam:	ORANGE GROVE WELL 01-A	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910003	System nam:	Arcadia-City, Water Division
Hqname:	Not Reported	Address:	240 W HUNTINGTON DRIVE
City:	ARCADIA	State:	CA
Zip:	91006	Zip ext:	Not Reported
Pop serv:	48290	Connection:	12901
Area serve:	ARCADIA		

Sample date:	04-JAN-18	Finding:	0.186
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		

Sample date:	04-JAN-18	Finding:	3.3e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		

Sample date:	04-JAN-18	Finding:	4.5
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		

Sample date:	28-NOV-17	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

Sample date:	28-NOV-17	Finding:	5.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	28-NOV-17	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

Sample date:	11-JUL-17	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

Sample date:	11-JUL-17	Finding:	3.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

Sample date:	11-JUL-17	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-JUN-17	Finding:	5.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-JUN-17	Finding:	5.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JUN-17	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-17	Finding:	2.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-17	Finding:	6.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAY-17	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	18-APR-17	Finding:	1.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	18-APR-17	Finding:	5.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-APR-17	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-APR-17	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-APR-17	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	2.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	5.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-FEB-17	Finding:	5.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-FEB-17	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	14-FEB-17	Finding:	4.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-JAN-17	Finding:	4.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-JAN-17	Finding:	5.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	17-JAN-17	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-DEC-16	Finding:	4.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-DEC-16	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-DEC-16	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	5.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	4.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-OCT-16	Finding:	5.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-OCT-16	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-OCT-16	Finding:	4.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-SEP-16	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-SEP-16	Finding:	6.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-SEP-16	Finding:	4.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-AUG-16	Finding:	5.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-AUG-16	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-AUG-16	Finding:	4.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	2.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	6.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JUN-16	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JUN-16	Finding:	6.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JUN-16	Finding:	2.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAY-16	Finding:	6.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-MAY-16	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAY-16	Finding:	2.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-16	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-16	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-APR-16	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	12-APR-16	Finding:	2.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-APR-16	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAR-16	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAR-16	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAR-16	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-FEB-16	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-FEB-16	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-FEB-16	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-16	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-16	Finding:	2.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-16	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-DEC-15	Finding:	6.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-DEC-15	Finding:	2.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-15	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-NOV-15	Finding:	5.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	17-NOV-15	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-NOV-15	Finding:	4.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-SEP-15	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-SEP-15	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-SEP-15	Finding:	3.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-15	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-15	Finding:	4.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-15	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-JUL-15	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JUL-15	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JUL-15	Finding:	7.67
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	14-JUL-15	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-JUN-15	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUN-15	Finding:	3.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUN-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-MAY-15	Finding:	29.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	12-MAY-15	Finding:	3.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-15	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-15	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-15	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-15	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-APR-15	Finding:	11.9
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	6.e-003
Chemical:	1,2,3-TRICHLOROPROPANE	Report units:	UG/L
Dir:	5.e-003		
Sample date:	13-APR-15	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-APR-15	Finding:	0.568
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	3.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	0.45
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	13-APR-15	Finding:	47.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	30.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-APR-15	Finding:	1.5
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	47.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	6.49
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	62.4
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	183.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	230.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	190.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	560.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	13-APR-15	Finding:	19.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	13-APR-15	Finding:	3.6e-002
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	10-MAR-15	Finding:	24.
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	10-MAR-15	Finding:	4.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAR-15	Finding:	4.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-15	Finding:	3.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-15	Finding:	26.
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	10-FEB-15	Finding:	3.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JAN-15	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JAN-15	Finding:	3.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JAN-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-JAN-15	Finding:	0.58
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.108
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.47
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0	Dir:	0.
Report units:	PCI/L		
Sample date:	16-DEC-14	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-DEC-14	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-14	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-NOV-14	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-NOV-14	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-NOV-14	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-OCT-14	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	14-OCT-14	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-OCT-14	Finding:	4.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	3.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-AUG-14	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-AUG-14	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-14	Finding:	2.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-14	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-14	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-JUL-14	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	1.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-APR-14	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-APR-14	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	08-APR-14	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-APR-14	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-APR-14	Finding:	2.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-14	Finding:	2.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-14	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-MAR-14	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-FEB-14	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-FEB-14	Finding:	3.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-FEB-14	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-JAN-14	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-JAN-14	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JAN-14	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-13	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-13	Finding:	1.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-NOV-13	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-NOV-13	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-OCT-13	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-OCT-13	Finding:	1.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	23-SEP-13	Finding:	3.9
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	11-SEP-13	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-13	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-SEP-13	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-13	Finding:	4.5
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	09-MAY-13	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-13	Finding:	1.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-MAY-13	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-MAY-13	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-13	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-13	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-13	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-13	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	13-MAR-13	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-DEC-12	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-12	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-12	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-12	Finding:	3.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-OCT-12	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-OCT-12	Finding:	2.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-12	Finding:	3.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-12	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-AUG-12	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-AUG-12	Finding:	2.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JUL-12	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	10-JUL-12	Finding:	4.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	5.3
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-12	Finding:	0.157
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.642
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	3.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	0.52
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	11-JUN-12	Finding:	41.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	25.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	1.5
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	48.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	57.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	11-JUN-12	Finding:	250.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	200.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	510.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	11-JUN-12	Finding:	3.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-12	Finding:	22.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	08-MAY-12	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-MAY-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-MAY-12	Finding:	3.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-APR-12	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-APR-12	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-MAR-12	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-MAR-12	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAR-12	Finding:	1.6e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-MAR-12	Finding:	3.1
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	12-MAR-12	Finding:	6.31
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	12-MAR-12	Finding:	0.412
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	14-FEB-12	Finding:	3.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-FEB-12	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-FEB-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JAN-12	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JAN-12	Finding:	2.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

**A2  
ENE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS 417**

Seq:	417	Prim sta c:	01N/11W-21C07 S
Frds no:	1910148006	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WELL 06	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		
Sample date:	13-MAR-18	Finding:	1.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-18	Finding:	0.76
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-MAR-18	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-18	Finding:	2.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	06-FEB-18	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-JAN-18	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-DEC-17	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-17	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-17	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-17	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-NOV-17	Finding:	0.79
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-17	Finding:	1.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-OCT-17	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-OCT-17	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-OCT-17	Finding:	0.76
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-SEP-17	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-SEP-17	Finding:	2.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-SEP-17	Finding:	0.69
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-AUG-17	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-AUG-17	Finding:	2.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-AUG-17	Finding:	0.78
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-17	Finding:	2.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-JUL-17	Finding:	1.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-17	Finding:	1.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-JUL-17	Finding:	0.95
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-JUN-17	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUN-17	Finding:	0.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-JUN-17	Finding:	0.98
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-MAY-17	Finding:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	0.889
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	460.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	03-MAY-17	Finding:	6.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	2.
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	4.8
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	0.62
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	03-MAY-17	Finding:	150.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	03-MAY-17	Finding:	68.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.4
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	20.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	21.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	99.9
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	339.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAY-17	Finding:	160.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	7.72
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-MAY-17	Finding:	760.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	03-MAY-17	Finding:	18.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	03-MAY-17	Finding:	0.55
Chemical:	DICHLOROMETHANE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-MAY-17	Finding:	1.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-APR-17	Finding:	2.
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-MAR-17	Finding:	0.8
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	0.79
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	1.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JAN-17	Finding:	0.83
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-DEC-16	Finding:	0.97
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-16	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-DEC-16	Finding:	0.8
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	14-NOV-16	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-16	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-NOV-16	Finding:	0.52
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-16	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	11-OCT-16	Finding:	0.69
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-OCT-16	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-SEP-16	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-SEP-16	Finding:	1.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-SEP-16	Finding:	0.45
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-AUG-16	Finding:	1.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-AUG-16	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-AUG-16	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-16	Finding:	2.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-JUL-16	Finding:	0.78
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUL-16	Finding:	0.57
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-MAY-16	Finding:	1.4
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-16	Finding:	1.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-16	Finding:	4.3
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dir:	0.		
Sample date:	03-MAY-16	Finding:	1.3
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	02-MAY-16	Finding:	1.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	04-JAN-16	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	04-JAN-16	Finding:	23.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-DEC-15	Finding:	25.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-DEC-15	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	14-DEC-15	Finding:	24.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	14-DEC-15	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	07-DEC-15	Finding:	0.66
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-NOV-15	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-NOV-15	Finding:	0.571
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.181
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.47
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	1.166
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	1.1
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	03-NOV-15	Finding:	0.662
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	02-NOV-15	Finding:	6.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-OCT-15	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-SEP-15	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-AUG-15	Finding:	0.34
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-AUG-15	Finding:	5.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-JUL-15	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-JUN-15	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-MAY-15	Finding:	6.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-APR-15	Finding:	0.35
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-MAR-15	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-FEB-15	Finding:	0.56
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-DEC-14	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-OCT-14	Finding:	0.78
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-SEP-14	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-AUG-14	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	07-JUL-14	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-JUN-14	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-MAY-14	Finding:	8.85
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.71
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	0.823
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.783
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	280.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.76
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	410.
Chemical:	IRON	Report units:	UG/L
Dir:	100.		
Sample date:	12-MAY-14	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	17.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	12-MAY-14	Finding:	470.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	12-MAY-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	12-MAY-14	Finding:	180.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	220.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	198.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	64.6
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	18.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.1
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	16.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	29.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	0.55
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	05-MAY-14	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-APR-14	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	10-FEB-14	Finding:	1.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-14	Finding:	0.91
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-FEB-14	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	13-JAN-14	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-JAN-14	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	13-JAN-14	Finding:	0.88
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-DEC-13	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-DEC-13	Finding:	0.82
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-DEC-13	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-NOV-13	Finding:	0.82
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-NOV-13	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-13	Finding:	0.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-13	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-OCT-13	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-SEP-13	Finding:	2.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-SEP-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	26-AUG-13	Finding:	1.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	12-AUG-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-13	Finding:	3.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-13	Finding:	3.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	08-JUL-13	Finding:	3.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-13	Finding:	3.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-13	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	21-MAY-13	Finding:	2.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	21-MAY-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAY-13	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAY-13	Finding:	2.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-MAY-13	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-APR-13	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-APR-13	Finding:	2.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-APR-13	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	11-MAR-13	Finding:	2.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-13	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-FEB-13	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-FEB-13	Finding:	2.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	07-JAN-13	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-JAN-13	Finding:	2.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-JAN-13	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	10-DEC-12	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-12	Finding:	3.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-NOV-12	Finding:	3.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-NOV-12	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-12	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-12	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-SEP-12	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-SEP-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-AUG-12	Finding:	1.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-AUG-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-12	Finding:	0.94
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-12	Finding:	0.64
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-JUL-12	Finding:	5.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.	Finding:	3.5
Sample date:	04-JUN-12	Report units:	MG/L
Chemical:	NITRATE (AS NO3)		
Dir:	2.		
Sample date:	04-JUN-12	Finding:	0.72
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-MAY-12	Finding:	3.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-MAY-12	Finding:	0.57
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		

**A3  
ENE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS 416**

Seq:	416	Prim sta c:	01N/11W-21C06 S
Frds no:	1910148005	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WELL 05	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported
Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		
Sample date:	13-MAR-18	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-18	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-FEB-18	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-FEB-18	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-FEB-18	Finding:	3.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-DEC-17	Finding:	2.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-17	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-NOV-17	Finding:	1.6
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-17	Finding:	1.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-OCT-17	Finding:	0.8
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-SEP-17	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-SEP-17	Finding:	2.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-SEP-17	Finding:	0.57
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-AUG-17	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-AUG-17	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-AUG-17	Finding:	4.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-AUG-17	Finding:	0.75
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	10-JUL-17	Finding:	2.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-17	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-JUL-17	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-JUN-17	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	12-JUN-17	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-JUN-17	Finding:	2.
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-MAY-17	Finding:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	0.898
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	420.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	0.6
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	03-MAY-17	Finding:	100.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	03-MAY-17	Finding:	48.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.2
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	27.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	15.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	88.4
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	283.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-MAY-17	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	7.74
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	660.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	03-MAY-17	Finding:	17.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	03-MAY-17	Finding:	2.7
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	01-MAY-17	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-APR-17	Finding:	1.9
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	13-MAR-17	Finding:	0.74
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-MAR-17	Finding:	0.68
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	0.54
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	1.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JAN-17	Finding:	0.68
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-DEC-16	Finding:	0.95
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	14-NOV-16	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-16	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	07-NOV-16	Finding:	0.72
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-16	Finding:	1.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-OCT-16	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-SEP-16	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-SEP-16	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-SEP-16	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-AUG-16	Finding:	0.61
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-AUG-16	Finding:	0.54
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-AUG-16	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-16	Finding:	4.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-JUL-16	Finding:	0.96
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUL-16	Finding:	1.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-16	Finding:	2.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-16	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-MAY-16	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-MAY-16	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-MAY-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-APR-16	Finding:	2.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-APR-16	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-16	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-16	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-MAR-16	Finding:	0.76
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-FEB-16	Finding:	0.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-FEB-16	Finding:	1.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-FEB-16	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-JAN-16	Finding:	0.59
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JAN-16	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	11-JAN-16	Finding:	0.57
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-JAN-16	Finding:	280.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	04-JAN-16	Finding:	28.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-DEC-15	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	28-DEC-15	Finding:	27.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	14-DEC-15	Finding:	260.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	14-DEC-15	Finding:	28.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	07-DEC-15	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-NOV-15	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-NOV-15	Finding:	0.145
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.555
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.47
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	1.4
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	03-NOV-15	Finding:	0.816
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.591
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	02-NOV-15	Finding:	6.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-OCT-15	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-SEP-15	Finding:	0.34
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-AUG-15	Finding:	6.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-AUG-15	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-JUL-15	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-JUN-15	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-MAY-15	Finding:	6.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-APR-15	Finding:	0.32
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-MAR-15	Finding:	0.62
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-MAR-15	Finding:	0.34
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-FEB-15	Finding:	0.99
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-FEB-15	Finding:	0.68
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-FEB-15	Finding:	7.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-FEB-15	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-JAN-15	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-15	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-DEC-14	Finding:	0.96
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-DEC-14	Finding:	0.61
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	10-NOV-14	Finding:	1.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-NOV-14	Finding:	0.65
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-OCT-14	Finding:	0.62
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-OCT-14	Finding:	0.76
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-OCT-14	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-SEP-14	Finding:	0.71
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-SEP-14	Finding:	0.86
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-SEP-14	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	11-AUG-14	Finding:	0.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-AUG-14	Finding:	7.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-AUG-14	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	14-JUL-14	Finding:	0.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JUL-14	Finding:	1.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-JUL-14	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-JUN-14	Finding:	0.97
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	09-JUN-14	Finding:	0.82
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-JUN-14	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-MAY-14	Finding:	140.
Chemical:	IRON	Report units:	UG/L
Dir:	100.		
Sample date:	12-MAY-14	Finding:	88.
Chemical:	ALUMINUM	Report units:	UG/L
Dir:	50.		
Sample date:	12-MAY-14	Finding:	0.95
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	0.67
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.692
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.756
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	7.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-MAY-14	Finding:	0.43
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.7
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	9.8
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.1
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	14.
Chemical:	SODIUM	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	12-MAY-14	Finding:	11.9
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	50.3
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	175.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	210.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	170.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	410.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	12-MAY-14	Finding:	18.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	1.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	20.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	05-MAY-14	Finding:	9.1
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	05-MAY-14	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	14-APR-14	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-14	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	07-APR-14	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	10-FEB-14	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-14	Finding:	2.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JAN-14	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JAN-14	Finding:	2.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JAN-14	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-DEC-13	Finding:	2.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-DEC-13	Finding:	2.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-DEC-13	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-NOV-13	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-NOV-13	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-13	Finding:	2.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-13	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-SEP-13	Finding:	4.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-SEP-13	Finding:	2.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	26-AUG-13	Finding:	2.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	1.		
Sample date:	12-AUG-13	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-13	Finding:	4.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-13	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-13	Finding:	4.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-13	Finding:	3.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-13	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	21-MAY-13	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	21-MAY-13	Finding:	3.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAY-13	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAY-13	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-MAY-13	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-APR-13	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-APR-13	Finding:	2.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-13	Finding:	3.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-13	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	11-FEB-13	Finding:	0.88
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-FEB-13	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-JAN-13	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-JAN-13	Finding:	3.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-12	Finding:	3.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-12	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-NOV-12	Finding:	5.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-SEP-12	Finding:	4.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-SEP-12	Finding:	2.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-AUG-12	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-AUG-12	Finding:	3.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-12	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-12	Finding:	3.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-JUL-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-12	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	3.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	04-JUN-12	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-JUN-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-MAY-12	Finding:	8.e-003
Chemical:	1,2,3-TRICHLOROPROPANE	Report units:	UG/L
Dir:	5.e-003		
Sample date:	14-MAY-12	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAY-12	Finding:	3.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-MAY-12	Finding:	3.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-MAY-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-MAY-12	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-MAY-12	Finding:	3.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-12	Finding:	3.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-12	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-APR-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-APR-12	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-MAR-12	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAR-12	Finding:	3.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	05-MAR-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-MAR-12	Finding:	0.52
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	13-FEB-12	Finding:	4.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-FEB-12	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-FEB-12	Finding:	0.56
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-JAN-12	Finding:	3.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JAN-12	Finding:	3.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-JAN-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

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1/4 - 1/2 Mile  
Higher**

**CA WELLS 421**

Seq:	421	Prim sta c:	01N/11W-21H03 S
Frds no:	1910003014	County:	19
District:	07	User id:	4TH
System no:	1910003	Water type:	G
Source nam:	ORANGE GROVE WELL 06	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910003	System nam:	Arcadia-City, Water Division
Hqname:	Not Reported	Address:	240 W HUNTINGTON DRIVE
City:	ARCADIA	State:	CA
Zip:	91006	Zip ext:	Not Reported
Pop serv:	48290	Connection:	12901
Area serve:	ARCADIA		
Sample date:	13-FEB-18	Finding:	3.3

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical: Dir:	NITRATE (AS N) 0.4	Report units:	MG/L
Sample date: Chemical: Dir:	13-FEB-18 TETRACHLOROETHYLENE 0.5	Finding: Report units:	0.55 UG/L
Sample date: Chemical: Dir:	17-JAN-18 NITRATE (AS N) 0.4	Finding: Report units:	3.2 MG/L
Sample date: Chemical: Dir:	04-JAN-18 URANIUM (PCI/L) 1.	Finding: Report units:	2.9 PCI/L
Sample date: Chemical: Dir:	12-DEC-17 NITRATE (AS N) 0.4	Finding: Report units:	3.2 MG/L
Sample date: Chemical: Dir:	28-NOV-17 NITRATE (AS N) 0.4	Finding: Report units:	3.1 MG/L
Sample date: Chemical: Dir:	14-NOV-17 NITRATE (AS N) 0.4	Finding: Report units:	2.9 MG/L
Sample date: Chemical: Dir:	10-OCT-17 NITRATE (AS N) 0.4	Finding: Report units:	2.8 MG/L
Sample date: Chemical: Dir:	12-SEP-17 NITRATE (AS N) 0.4	Finding: Report units:	3. MG/L
Sample date: Chemical: Dir:	08-AUG-17 NITRATE (AS N) 0.4	Finding: Report units:	2.6 MG/L
Sample date: Chemical: Dir:	11-JUL-17 NITRATE (AS N) 0.4	Finding: Report units:	3. MG/L
Sample date: Chemical: Dir:	13-JUN-17 NITRATE (AS N) 0.4	Finding: Report units:	3. MG/L
Sample date: Chemical: Dir:	09-MAY-17 NITRATE (AS N) 0.4	Finding: Report units:	3. MG/L
Sample date: Chemical: Dir:	18-APR-17 NITRATE (AS N) 0.4	Finding: Report units:	2.9 MG/L
Sample date: Chemical: Dir:	14-MAR-17 NITRATE (AS N) 0.4	Finding: Report units:	2.9 MG/L
Sample date: Chemical: Dir:	14-FEB-17 NITRATE (AS N) 0.4	Finding: Report units:	3.3 MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	17-JAN-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-DEC-16	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	08-NOV-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-OCT-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-SEP-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-AUG-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-JUL-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JUN-16	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-MAY-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-APR-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAR-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-FEB-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-JAN-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-DEC-15	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JUL-15	Finding:	7.77
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	43.
Chemical:	SULFATE	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	13-APR-15	Finding:	22.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	1.8
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	36.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	55.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	192.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	250.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	210.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	520.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	13-APR-15	Finding:	19.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	13-APR-15	Finding:	0.71
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	13-APR-15	Finding:	270.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	0.673
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	0.139
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-APR-15	Finding:	13.1
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	1.6e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.313
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	3.7
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	10-SEP-13	Finding:	0.65
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-SEP-13	Finding:	0.62
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-SEP-13	Finding:	1.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	14-AUG-13	Finding:	0.64
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-13	Finding:	1.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-13	Finding:	0.75
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-13	Finding:	0.63
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	0.502
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.75
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	11-JUN-12	Finding:	45.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	21.
Chemical:	CHLORIDE	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	11-JUN-12	Finding:	1.6
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	36.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	13.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	52.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	180.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	250.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	200.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	520.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	11-JUN-12	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	11-JUN-12	Finding:	11.8
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAR-12	Finding:	0.203
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-MAR-12	Finding:	0.498
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	12-MAR-12	Finding:	0.102
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dir:	0.		
Sample date:	12-MAR-12	Finding:	0.439
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dir:	0.

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-MAR-12	Finding:	2.2
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	12-MAR-12	Finding:	3.e-002
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Report units:	PCI/L	Dir:	0.

**A5  
ENE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS    420**

Seq:	420	Prim sta c:	01N/11W-21H02 S
Frds no:	1910003012	County:	19
District:	07	User id:	4TH
System no:	1910003	Water type:	G
Source nam:	ORANGE GROVE WELL 02-A	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910003	System nam:	Arcadia-City, Water Division
Hqname:	Not Reported	Address:	240 W HUNTINGTON DRIVE
City:	ARCADIA	State:	CA
Zip:	91006	Zip ext:	Not Reported
Pop serv:	48290	Connection:	12901
Area serve:	ARCADIA		
Sample date:	11-JUL-17	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-JUL-17	Finding:	0.52
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JUN-17	Finding:	0.66
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JUN-17	Finding:	0.68
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JUN-17	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAY-17	Finding:	0.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-17	Finding:	0.58
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-17	Finding:	3.3



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-APR-17	Finding:	5.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-APR-17	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	18-APR-17	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-APR-17	Finding:	0.75
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	06-APR-17	Finding:	0.97
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	0.97
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	5.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-FEB-17	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	17-JAN-17	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-DEC-16	Finding:	0.52
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-DEC-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	08-NOV-16	Finding:	0.61
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	0.56
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	11-OCT-16	Finding:	0.67
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-OCT-16	Finding:	0.61
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-OCT-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-SEP-16	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-SEP-16	Finding:	0.76
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-SEP-16	Finding:	0.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-AUG-16	Finding:	0.77
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-AUG-16	Finding:	2.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-AUG-16	Finding:	0.69
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	0.61
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	0.64
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JUN-16	Finding:	4.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JUN-16	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JUN-16	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAY-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	10-MAY-16	Finding:	0.65
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAY-16	Finding:	0.62
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-16	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-16	Finding:	1.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-APR-16	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-APR-16	Finding:	1.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-APR-16	Finding:	4.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAR-16	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAR-16	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAR-16	Finding:	2.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-FEB-16	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-FEB-16	Finding:	5.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-FEB-16	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-16	Finding:	2.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-16	Finding:	2.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-JAN-16	Finding:	5.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-DEC-15	Finding:	1.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-15	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-15	Finding:	4.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	24-SEP-15	Finding:	7.75
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	16-SEP-15	Finding:	0.56
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-SEP-15	Finding:	0.59
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-15	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-15	Finding:	1.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-15	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	28-JUL-15	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	28-JUL-15	Finding:	2.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	28-JUL-15	Finding:	2.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAY-15	Finding:	0.53
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	11.9
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	6.3e-002
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	13-APR-15	Finding:	0.594
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	0.77
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	13-APR-15	Finding:	53.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	24.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	0.97
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	71.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	3.91
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	47.6
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	135.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	250.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	210.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	560.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	13-APR-15	Finding:	19.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-APR-15	Finding:	76.
Chemical:	COPPER	Report units:	UG/L
Dir:	50.		
Sample date:	10-MAR-15	Finding:	0.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-15	Finding:	0.72
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-15	Finding:	0.62
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JAN-15	Finding:	0.91
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JAN-15	Finding:	0.88
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-15	Finding:	0.544
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	9.4e-002
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.47
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0	Dir:	0.
Report units:	PCI/L		
Sample date:	16-DEC-14	Finding:	0.88
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-14	Finding:	0.81
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-NOV-14	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-NOV-14	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-NOV-14	Finding:	1.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-OCT-14	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	14-OCT-14	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-OCT-14	Finding:	2.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	0.63
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	0.66
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-14	Finding:	0.81
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-14	Finding:	0.78
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-14	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-14	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-JUL-14	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	2.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	2.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-APR-14	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-APR-14	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-APR-14	Finding:	2.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-APR-14	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-APR-14	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-14	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-14	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-FEB-14	Finding:	0.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-FEB-14	Finding:	1.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JAN-14	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JAN-14	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-13	Finding:	1.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dir:	0.		
Sample date:	10-DEC-13	Finding:	1.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-13	Finding:	1.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	10-DEC-13	Finding:	4.7
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	10-DEC-13	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-13	Finding:	0.92
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-13	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-MAY-13	Finding:	1.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	07-MAY-13	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-13	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-13	Finding:	1.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-13	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-MAR-13	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-13	Finding:	2.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-OCT-12	Finding:	0.97
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-OCT-12	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-12	Finding:	0.92
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-12	Finding:	1.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-AUG-12	Finding:	0.81
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-AUG-12	Finding:	0.73
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-12	Finding:	0.86
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-12	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	220.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	11-JUN-12	Finding:	11.8
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.509
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	350.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.73
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	0.82
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	0.83
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	11-JUN-12	Finding:	51.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	22.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.98
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	66.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	4.9
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	49.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	140.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	260.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	560.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.69
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	0.56
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	20.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	08-MAY-12	Finding:	0.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-MAY-12	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-APR-12	Finding:	0.71
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-APR-12	Finding:	0.66
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-12	Finding:	0.79
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-12	Finding:	0.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAR-12	Finding:	1.6e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-MAR-12	Finding:	0.305
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	12-MAR-12	Finding:	3.35
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	12-MAR-12	Finding:	2.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	14-FEB-12	Finding:	0.75
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-FEB-12	Finding:	0.74
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	10-JAN-12	Finding:	0.79
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JAN-12	Finding:	0.79
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

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1/4 - 1/2 Mile  
Higher**

**CA WELLS    419**

Seq:	419	Prim sta c:	01N/11W-21G05 S
Frds no:	1910003013	County:	19
District:	07	User id:	4TH
System no:	1910003	Water type:	G
Source nam:	ORANGE GROVE WELL 05	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910003	System nam:	Arcadia-City, Water Division
Hqname:	Not Reported	Address:	240 W HUNTINGTON DRIVE
City:	ARCADIA	State:	CA
Zip:	91006	Zip ext:	Not Reported
Pop serv:	48290	Connection:	12901
Area serve:	ARCADIA		
Sample date:	04-JAN-18	Finding:	5.3
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	28-NOV-17	Finding:	6.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	28-NOV-17	Finding:	4.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	28-NOV-17	Finding:	6.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-SEP-17	Finding:	5.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-SEP-17	Finding:	6.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-SEP-17	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	08-AUG-17	Finding:	6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical: Dir:	TETRACHLOROETHYLENE 0.5	Report units:	UG/L
Sample date: Chemical: Dir:	08-AUG-17 TRICHLOROETHYLENE 0.5	Finding: Report units:	5.7 UG/L
Sample date: Chemical: Dir:	08-AUG-17 NITRATE (AS N) 0.4	Finding: Report units:	5.5 MG/L
Sample date: Chemical: Dir:	11-JUL-17 TETRACHLOROETHYLENE 0.5	Finding: Report units:	6.4 UG/L
Sample date: Chemical: Dir:	11-JUL-17 NITRATE (AS N) 0.4	Finding: Report units:	5.8 MG/L
Sample date: Chemical: Dir:	11-JUL-17 TRICHLOROETHYLENE 0.5	Finding: Report units:	5.7 UG/L
Sample date: Chemical: Dir:	13-JUN-17 TRICHLOROETHYLENE 0.5	Finding: Report units:	7.6 UG/L
Sample date: Chemical: Dir:	13-JUN-17 TETRACHLOROETHYLENE 0.5	Finding: Report units:	8.4 UG/L
Sample date: Chemical: Dir:	13-JUN-17 NITRATE (AS N) 0.4	Finding: Report units:	5.8 MG/L
Sample date: Chemical: Dir:	09-MAY-17 TRICHLOROETHYLENE 0.5	Finding: Report units:	5.8 UG/L
Sample date: Chemical: Dir:	09-MAY-17 NITRATE (AS N) 0.4	Finding: Report units:	6.1 MG/L
Sample date: Chemical: Dir:	09-MAY-17 TETRACHLOROETHYLENE 0.5	Finding: Report units:	5.9 UG/L
Sample date: Chemical: Dir:	18-APR-17 TRICHLOROETHYLENE 0.5	Finding: Report units:	5.2 UG/L
Sample date: Chemical: Dir:	18-APR-17 NITRATE (AS N) 0.4	Finding: Report units:	6. MG/L
Sample date: Chemical: Dir:	18-APR-17 TETRACHLOROETHYLENE 0.5	Finding: Report units:	7. UG/L
Sample date: Chemical: Dir:	06-APR-17 TRICHLOROETHYLENE 0.5	Finding: Report units:	6.1 UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	06-APR-17	Finding:	6.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	6.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	5.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-MAR-17	Finding:	5.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-FEB-17	Finding:	5.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-FEB-17	Finding:	5.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-FEB-17	Finding:	4.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-JAN-17	Finding:	0.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-JAN-17	Finding:	1.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-JAN-17	Finding:	4.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-DEC-16	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-DEC-16	Finding:	5.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-DEC-16	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	6.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	6.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-NOV-16	Finding:	5.9
Chemical:	NITRATE (AS N)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	03-NOV-16	Finding:	6.7e-003
Chemical:	1,2,3-TRICHLOROPROPANE	Report units:	UG/L
Dir:	5.e-003		
Sample date:	11-OCT-16	Finding:	9.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-OCT-16	Finding:	9.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-OCT-16	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-SEP-16	Finding:	12.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-SEP-16	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-SEP-16	Finding:	9.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-AUG-16	Finding:	8.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-AUG-16	Finding:	9.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-AUG-16	Finding:	6.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-JUL-16	Finding:	7.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	8.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JUL-16	Finding:	6.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JUN-16	Finding:	6.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JUN-16	Finding:	6.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	14-JUN-16	Finding:	5.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-MAY-16	Finding:	5.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAY-16	Finding:	7.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAY-16	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-APR-16	Finding:	6.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-16	Finding:	7.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-APR-16	Finding:	6.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-APR-16	Finding:	5.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-APR-16	Finding:	5.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAR-16	Finding:	7.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAR-16	Finding:	7.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAR-16	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-FEB-16	Finding:	6.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-FEB-16	Finding:	6.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-FEB-16	Finding:	5.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-JAN-16	Finding:	8.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	12-JAN-16	Finding:	6.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-JAN-16	Finding:	7.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-15	Finding:	7.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-15	Finding:	5.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-DEC-15	Finding:	6.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-NOV-15	Finding:	4.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-NOV-15	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-NOV-15	Finding:	4.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-SEP-15	Finding:	4.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-SEP-15	Finding:	5.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-SEP-15	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-AUG-15	Finding:	5.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-15	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-AUG-15	Finding:	6.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JUL-15	Finding:	7.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	14-JUL-15	Finding:	29.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-JUL-15	Finding:	7.86
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	14-JUL-15	Finding:	9.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUN-15	Finding:	5.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUN-15	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-JUN-15	Finding:	6.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-15	Finding:	8.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-15	Finding:	9.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAY-15	Finding:	32.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-APR-15	Finding:	4.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-APR-15	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-APR-15	Finding:	4.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	4.68
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	0.189
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	0.715
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	13-APR-15	Finding:	300.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	5.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	6.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	0.45
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	13-APR-15	Finding:	42.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	26.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	1.5
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	47.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-APR-15	Finding:	57.5
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	163.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	220.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	180.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	13-APR-15	Finding:	520.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-APR-15	Finding:	19.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	10-MAR-15	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-MAR-15	Finding:	8.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-MAR-15	Finding:	9.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-15	Finding:	9.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-15	Finding:	9.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-FEB-15	Finding:	29.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-JAN-15	Finding:	10.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JAN-15	Finding:	10.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-JAN-15	Finding:	32.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-JAN-15	Finding:	9.4e-002
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.47
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0	Dir:	0.
Report units:	PCI/L		
Sample date:	12-JAN-15	Finding:	0.373
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	1.6e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	12-JAN-15	Finding:	0.553
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	12-JAN-15	Finding:	8.3e-002
Chemical:	RADIUM 228	Report units:	PCI/L
Dir:	1.		
Sample date:	12-JAN-15	Finding:	5.36
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	16-DEC-14	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-DEC-14	Finding:	7.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	16-DEC-14	Finding:	6.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-NOV-14	Finding:	29.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-NOV-14	Finding:	10.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	04-NOV-14	Finding:	8.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-OCT-14	Finding:	6.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-OCT-14	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-OCT-14	Finding:	8.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	4.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	17-SEP-14	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-AUG-14	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-AUG-14	Finding:	6.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-14	Finding:	6.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-14	Finding:	5.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-14	Finding:	30.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-JUL-14	Finding:	4.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	5.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUN-14	Finding:	31.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-APR-14	Finding:	35.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-APR-14	Finding:	7.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-APR-14	Finding:	9.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-APR-14	Finding:	9.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	03-APR-14	Finding:	12.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-14	Finding:	12.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-MAR-14	Finding:	33.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-MAR-14	Finding:	8.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	12-FEB-14	Finding:	7.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-FEB-14	Finding:	9.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-FEB-14	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-JAN-14	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-JAN-14	Finding:	8.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JAN-14	Finding:	7.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-13	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-DEC-13	Finding:	5.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-DEC-13	Finding:	7.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-NOV-13	Finding:	5.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-NOV-13	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-NOV-13	Finding:	4.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-OCT-13	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-OCT-13	Finding:	4.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-OCT-13	Finding:	4.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	09-SEP-13	Finding:	4.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-SEP-13	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-SEP-13	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	05-SEP-13	Finding:	4.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	13-AUG-13	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-AUG-13	Finding:	4.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-AUG-13	Finding:	3.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-13	Finding:	4.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-13	Finding:	7.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-JUL-13	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-13	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-13	Finding:	5.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-13	Finding:	4.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-MAY-13	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	15-MAY-13	Finding:	4.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-MAY-13	Finding:	4.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	09-MAY-13	Finding:	5.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-MAY-13	Finding:	5.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-13	Finding:	4.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-13	Finding:	5.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-APR-13	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-MAR-13	Finding:	26.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-MAR-13	Finding:	3.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-13	Finding:	4.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-12	Finding:	6.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-12	Finding:	8.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-DEC-12	Finding:	33.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-NOV-12	Finding:	8.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-12	Finding:	5.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-12	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-OCT-12	Finding:	5.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	09-OCT-12	Finding:	5.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-OCT-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-SEP-12	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-SEP-12	Finding:	5.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-SEP-12	Finding:	6.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-AUG-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-AUG-12	Finding:	4.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-AUG-12	Finding:	4.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-12	Finding:	8.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-12	Finding:	5.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JUL-12	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-12	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.664
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	0.19
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-12	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	11-JUN-12	Finding:	5.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	6.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	0.51
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	11-JUN-12	Finding:	37.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	21.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	1.3
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	4.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	53.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	150.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	220.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	180.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	11-JUN-12	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	11-JUN-12	Finding:	490.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	11-JUN-12	Finding:	23.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	11-JUN-12	Finding:	9.e-003
Chemical:	1,2,3-TRICHLOROPROPANE	Report units:	UG/L
Dir:	5.e-003		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	11-JUN-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-12	Finding:	4.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	5.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUN-12	Finding:	42.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	08-MAY-12	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-MAY-12	Finding:	6.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-MAY-12	Finding:	6.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-APR-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-APR-12	Finding:	5.8
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-APR-12	Finding:	6.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	30-MAR-12	Finding:	8.e-003
Chemical:	1,2,3-TRICHLOROPROPANE	Report units:	UG/L
Dir:	5.e-003		
Sample date:	13-MAR-12	Finding:	6.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-MAR-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-MAR-12	Finding:	6.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-MAR-12	Finding:	2.6
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	14-FEB-12	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.	Finding:	5.9
Sample date:	14-FEB-12	Report units:	UG/L
Chemical:	TRICHLOROETHYLENE		
Dir:	0.5		
Sample date:	14-FEB-12	Finding:	6.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JAN-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JAN-12	Finding:	5.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-JAN-12	Finding:	5.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		

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Higher**

**CA WELLS 415**

Seq:	415	Prim sta c:	01N/11W-21C03 S
Frds no:	1910148003	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported
Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		
Sample date:	06-MAR-18	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-18	Finding:	92.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	06-FEB-18	Finding:	350.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	06-FEB-18	Finding:	1.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	06-FEB-18	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-JAN-18	Finding:	0.5
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	14-NOV-17	Finding:	1.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	14-NOV-17	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	07-NOV-17	Finding:	0.56
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-17	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-OCT-17	Finding:	0.74
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-SEP-17	Finding:	0.93
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-17	Finding:	0.97
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-17	Finding:	1.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JUL-17	Finding:	0.94
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-JUN-17	Finding:	0.88
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-MAY-17	Finding:	24.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.4
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	140.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	03-MAY-17	Finding:	0.69
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.1		
Sample date:	03-MAY-17	Finding:	3.7
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	1.7
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	5.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	450.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	0.8
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	0.15
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	03-MAY-17	Finding:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	22.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	88.6
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	314.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAY-17	Finding:	160.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	7.68
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	720.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-MAY-17	Finding:	19.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	03-MAY-17	Finding:	58.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	01-MAY-17	Finding:	1.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-APR-17	Finding:	1.7
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-MAR-17	Finding:	1.
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	0.83
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	0.99
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JAN-17	Finding:	0.78
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-DEC-16	Finding:	0.5
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-16	Finding:	2.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-NOV-16	Finding:	0.56
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-OCT-16	Finding:	1.1
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-SEP-16	Finding:	0.76
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-AUG-16	Finding:	1.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-AUG-16	Finding:	1.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	01-AUG-16	Finding:	2.6
Chemical:	NITRATE (AS N)	Report units:	MG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	01-AUG-16	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	11-JUL-16	Finding:	0.86
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	11-JUL-16	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JUN-16	Finding:	0.62
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-JUN-16	Finding:	0.55
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-MAY-16	Finding:	1.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-MAR-16	Finding:	0.83
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-FEB-16	Finding:	1.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-JAN-16	Finding:	0.6
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-JAN-16	Finding:	280.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	04-JAN-16	Finding:	37.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-DEC-15	Finding:	25.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-DEC-15	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	14-DEC-15	Finding:	44.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	14-DEC-15	Finding:	290.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	07-DEC-15	Finding:	0.55
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	09-NOV-15	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-NOV-15	Finding:	0.583
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.251
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.47
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	1.121
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	1.1
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	03-NOV-15	Finding:	0.699
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	02-NOV-15	Finding:	5.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-OCT-15	Finding:	0.5
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	08-SEP-15	Finding:	0.62
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-AUG-15	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-AUG-15	Finding:	4.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-JUL-15	Finding:	0.54
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	29-JUN-15	Finding:	440.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	29-JUN-15	Finding:	160.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	29-JUN-15	Finding:	49.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	29-JUN-15	Finding:	19.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	29-JUN-15	Finding:	36.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	29-JUN-15	Finding:	270.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	01-JUN-15	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	13-MAY-15	Finding:	2.4
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dir:	0.		
Sample date:	04-MAY-15	Finding:	5.1
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	04-MAY-15	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	13-APR-15	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	420.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	13-APR-15	Finding:	46.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	13-APR-15	Finding:	32.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	13-APR-15	Finding:	14.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	06-APR-15	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-MAR-15	Finding:	0.52
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-FEB-15	Finding:	0.65
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-FEB-15	Finding:	5.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	01-DEC-14	Finding:	0.52
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-OCT-14	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-SEP-14	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-AUG-14	Finding:	0.45
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-AUG-14	Finding:	5.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-JUL-14	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	19-JUN-14	Finding:	110.
Chemical:	IRON	Report units:	UG/L
Dir:	100.		
Sample date:	02-JUN-14	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-MAY-14	Finding:	14.3
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	19.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.6
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	14.
Chemical:	CHLORIDE	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.76
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	1100.
Chemical:	IRON	Report units:	UG/L
Dir:	100.		
Sample date:	12-MAY-14	Finding:	6.9e-002
Chemical:	FOAMING AGENTS (MBAS)	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	250.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.549
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.673
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	6.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-MAY-14	Finding:	2.8
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	2.4
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	11.8
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	51.2
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	186.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	210.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	170.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-MAY-14	Finding:	440.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	12-MAY-14	Finding:	21.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	12-MAY-14	Finding:	32.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	05-MAY-14	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-MAY-14	Finding:	5.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-APR-14	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-MAR-14	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-FEB-14	Finding:	5.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-FEB-14	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	13-JAN-14	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-DEC-13	Finding:	0.58
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-NOV-13	Finding:	5.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-SEP-13	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	09-SEP-13	Finding:	1.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-13	Finding:	1.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	12-AUG-13	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.5		
Sample date:	08-JUL-13	Finding:	0.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	08-JUL-13	Finding:	0.52
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	26-JUN-13	Finding:	1.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	26-JUN-13	Finding:	1.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dir:	0.		
Sample date:	26-JUN-13	Finding:	5.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-NOV-12	Finding:	1.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-NOV-12	Finding:	2.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-12	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	15-OCT-12	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-SEP-12	Finding:	1.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	10-SEP-12	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-AUG-12	Finding:	1.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	13-AUG-12	Finding:	1.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dir:	0.5		
Sample date:	02-JUL-12	Finding:	3.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-JUN-12	Finding:	8.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	07-MAY-12	Finding:	7.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-MAY-12	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-APR-12	Finding:	4.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-APR-12	Finding:	0.52
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-MAR-12	Finding:	4.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-MAR-12	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-12	Finding:	0.66
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-12	Finding:	4.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JAN-12	Finding:	3.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JAN-12	Finding:	0.6
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		

**A8  
ENE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS 409**

Seq:	409	Prim sta c:	01N/11W-16F01 S
Frds no:	1910148007	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WEST TUNNEL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY/T
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		
Sample date:	23-JAN-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dir:	1.		
Sample date:	23-JAN-18	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	16-JAN-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dir:	1.		
Sample date:	26-DEC-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	19-DEC-17	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	12-DEC-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	21-NOV-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	24-OCT-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	17-OCT-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	10-OCT-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	03-OCT-17	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	19-SEP-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	22-AUG-17	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	03-MAY-17	Finding:	166.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-MAY-17	Finding:	0.884
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.8
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	03-MAY-17	Finding:	17.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	03-MAY-17	Finding:	12.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	2.
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	15.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	13.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	44.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	2.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAY-17	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	7.93
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	350.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	03-MAY-17	Finding:	18.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	10-APR-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.1		
Sample date:	21-FEB-17	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	21-NOV-16	Finding:	0.4
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	03-MAY-16	Finding:	1.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	25-APR-16	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	16-NOV-15	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	03-NOV-15	Finding:	0.832
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.482
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.47
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.639
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.145
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	1.7
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	19-OCT-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	13-OCT-15	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	24-AUG-15	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	17-AUG-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	01-JUN-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	18-MAY-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	13-MAY-15	Finding:	6.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	27-APR-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	06-APR-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	09-MAR-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	02-MAR-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	17-FEB-15	Finding:	0.4
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	05-JAN-15	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	29-DEC-14	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	24-NOV-14	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	29-SEP-14	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	15-SEP-14	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	08-SEP-14	Finding:	0.4
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	02-SEP-14	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.1		
Sample date:	28-JUL-14	Finding:	0.4
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	14-JUL-14	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	11.9
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	6.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-MAY-14	Finding:	0.667
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.632
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.7
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	8.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.9
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	14.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	12.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	42.1
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	157.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-MAY-14	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	370.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	12-MAY-14	Finding:	17.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	12-MAY-14	Finding:	20.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	21-OCT-13	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	23-JUL-12	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	29-MAY-12	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	07-MAY-12	Finding:	5.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

**A9  
ENE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS 22907**

Seq:	22907	Prim sta c:	G19/148-FLBLM02
Frds no:	1910148009	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WELLS 3,4,5 AND TUNNELS E&W - FLUORIDE		
Station ty:	COMB/WELL/TUNNEL/AMBNT/INTAKE	Latitude:	341000.0
Longitude:	1180200.0	Precision:	5
Status:	CT	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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported
Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A10**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**CA WELLS      22906**

Seq:	22906	Prim sta c:	G19/148-FLBLM01
Frds no:	1910148008	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WELLS 3,4 & 5 BLEND - FLUORIDE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	341000.0	Longitude:	1180200.0
Precision:	5	Status:	CT
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported
Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		

**A11**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**CA WELLS      414**

Seq:	414	Prim sta c:	01N/11W-21C02 S
Frds no:	1910148004	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WELL 04	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported
Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		

Sample date:	06-MAR-18	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		

Sample date:	06-FEB-18	Finding:	1.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	06-FEB-18	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	02-JAN-18	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-17	Finding:	1.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-NOV-17	Finding:	0.63
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-OCT-17	Finding:	0.88
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-SEP-17	Finding:	1.8
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-17	Finding:	1.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-AUG-17	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-JUL-17	Finding:	0.98
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-JUN-17	Finding:	2.1
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-MAY-17	Finding:	82.8
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	25.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	19.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	52.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	130.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	03-MAY-17	Finding:	0.63
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	03-MAY-17	Finding:	3.3
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	1.		
Sample date:	03-MAY-17	Finding:	2.
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	5.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-17	Finding:	430.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	0.847
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	0.11
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	03-MAY-17	Finding:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	313.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAY-17	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	7.72
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	690.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	03-MAY-17	Finding:	19.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	03-MAY-17	Finding:	1.6
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	01-MAY-17	Finding:	1.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-APR-17	Finding:	2.
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-MAR-17	Finding:	0.94
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-17	Finding:	0.92
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JAN-17	Finding:	0.93
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-DEC-16	Finding:	0.87
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	07-NOV-16	Finding:	1.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-NOV-16	Finding:	0.86
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-OCT-16	Finding:	0.87
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-SEP-16	Finding:	0.88
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-16	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-AUG-16	Finding:	1.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAY-16	Finding:	3.4
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dir:	0.		
Sample date:	03-MAY-16	Finding:	1.1
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-16	Finding:	1.1
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dir:	1.		
Sample date:	03-MAY-16	Finding:	1.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	1.		
Sample date:	02-MAY-16	Finding:	1.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-MAR-16	Finding:	0.92
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-FEB-16	Finding:	1.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-JAN-16	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-JAN-16	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	04-JAN-16	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-DEC-15	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-DEC-15	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	14-DEC-15	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	14-DEC-15	Finding:	17.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	07-DEC-15	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-NOV-15	Finding:	1.261
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.723
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.47
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-NOV-15	Finding:	0.589
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.153
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	02-NOV-15	Finding:	5.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-OCT-15	Finding:	0.32
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-AUG-15	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	03-AUG-15	Finding:	4.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-MAY-15	Finding:	5.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-MAR-15	Finding:	0.45
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-FEB-15	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-FEB-15	Finding:	5.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-OCT-14	Finding:	0.35
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-SEP-14	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-AUG-14	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-AUG-14	Finding:	6.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-JUL-14	Finding:	0.62
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	12-MAY-14	Finding:	15.
Chemical:	SODIUM	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.3
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	8.1
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	0.88
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	260.
Chemical:	IRON	Report units:	UG/L
Dir:	100.		
Sample date:	12-MAY-14	Finding:	230.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.757
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.847
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	5.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-MAY-14	Finding:	0.76
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	19.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	12-MAY-14	Finding:	400.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	12-MAY-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	180.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-MAY-14	Finding:	220.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	173.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	46.4
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	14.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	05-MAY-14	Finding:	5.5
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	03-FEB-14	Finding:	7.7
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	13-JAN-14	Finding:	0.32
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-DEC-13	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-NOV-13	Finding:	7.2
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	07-OCT-13	Finding:	0.34
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	01-APR-13	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	02-JUL-12	Finding:	8.9
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	04-JUN-12	Finding:	0.32
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	04-JUN-12	Finding:	9.
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	07-MAY-12	Finding:	8.7
Chemical:	NITRATE (AS NO <sub>3</sub> )	Report units:	MG/L
Dir:	2.		
Sample date:	07-MAY-12	Finding:	0.79
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.3		
Sample date:	02-APR-12	Finding:	9.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-APR-12	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	05-MAR-12	Finding:	9.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-MAR-12	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-12	Finding:	0.56
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dir:	0.3		
Sample date:	06-FEB-12	Finding:	9.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JAN-12	Finding:	8.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

**A12  
ENE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS 413**

Seq:	413	Prim sta c:	01N/11W-21C01 S
Frds no:	1910148002	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	WELL 02 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	DS
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported
Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A13**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**CA WELLS      410**

Seq:	410	Prim sta c:	01N/11W-16F02 S
Frds no:	1910148001	County:	19
District:	07	User id:	4TH
System no:	1910148	Water type:	G
Source nam:	EAST TUNNEL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY/T
Latitude:	341000.0	Longitude:	1180200.0
Precision:	8	Status:	AR
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:	1910148	System nam:	Sierra Madre-City, Water Dept.
Hqname:	Not Reported	Address:	232 W SIERRA MADRE BLVD
City:	SIERRA MADRE	State:	CA
Zip:	91024	Zip ext:	Not Reported
Pop serv:	10800	Connection:	3682
Area serve:	SIERRA MADRE		

Sample date:	03-MAY-17	Finding:	0.883
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		

Sample date:	03-MAY-17	Finding:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		

Sample date:	03-MAY-17	Finding:	2.2
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		

Sample date:	03-MAY-17	Finding:	31.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		

Sample date:	03-MAY-17	Finding:	8.9
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		

Sample date:	03-MAY-17	Finding:	2.1
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		

Sample date:	03-MAY-17	Finding:	18.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		

Sample date:	03-MAY-17	Finding:	11.5
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		

Sample date:	03-MAY-17	Finding:	42.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-MAY-17	Finding:	152.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAY-17	Finding:	160.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-17	Finding:	8.02
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	03-MAY-17	Finding:	370.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	03-MAY-17	Finding:	20.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	03-MAY-17	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	03-MAY-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-NOV-15	Finding:	1.e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	1.5
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	03-NOV-15	Finding:	0.218
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.47
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.584
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-NOV-15	Finding:	0.167
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.85
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	19.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dir:	0.		
Sample date:	12-MAY-14	Finding:	220.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	5.7e-002
Chemical:	FOAMING AGENTS (MBAS)	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	1.9
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	12-MAY-14	Finding:	32.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	12-MAY-14	Finding:	8.5
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	2.
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	17.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	11.1
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	42.1
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	151.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	380.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	12-MAY-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dir:	0.		
Sample date:	12-MAY-14	Finding:	0.765
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-MAY-14	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	160.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	12-MAY-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		

**B14  
SSE  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000142208**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N011W21G005S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	600
Well Depth Units:	ft	Well Hole Depth:	600
Well Hole Depth Units:	ft		

**B15  
SE  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000142201**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N011W21G002S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	464
Well Depth Units:	ft	Well Hole Depth:	464
Well Hole Depth Units:	ft		

**16  
WSW  
1/2 - 1 Mile  
Higher**

**FRDS PWS      CA1910148**

Epa region:	09	State:	CA
Pwsid:	CA1910148	Pwsname:	SIERRA MADRE-CITY, WATER DEPT.
Cityserved:	Not Reported	Stateserved:	CA
Zipsserved:	Not Reported	Fipscounty:	06037
Status:	Active	Retpopsrvd:	10800
Pwssvconn:	3808	Psource longname:	Groundwater

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwstype:	CWS	Owner:	Local_Govt
Contact:	INMAN, BRUCE	Contactorgname:	INMAN, BRUCE
Contactphone:	626-355-7135	Contactaddress1:	232 W. SIERRA MADRE BLVD.
Contactaddress2:	Not Reported	Contactcity:	SIERRA MADRE
Contactstate:	CA	Contactzip:	91024
Pwsactivitycode:	A		
Pwsid:	CA1910148	Facid:	14
Facname:	WELL 03 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	15
Facname:	WELL 04 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	16
Facname:	WELL 05 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	17
Facname:	WELL 06 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	18
Facname:	WEST TUNNEL - CHLORINATION	Factype:	Treatment_plant
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	5827
Facname:	WELLS 05 & 06 - NITRATE BLEND	Factype:	Treatment_plant
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	673
Facname:	WELL 03 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	674
Facname:	WELL 04 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	675
Facname:	WELL 05 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	676

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facname:	WELL 06 - CHLORINATION	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	677
Facname:	WEST TUNNEL - CHLORINATION	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	gaseous chlorination, post
Trtobjective:	disinfection		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	678
Facname:	COMBINED GAC FACILITY EFFLUENT	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	activated carbon, granular
Trtobjective:	organics removal		
Factypecode:	TP		
Pwsid:	CA1910148	Facid:	679
Facname:	COMBINED GAC FACILITY INFLUENT	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	activated carbon, granular
Trtobjective:	organics removal		
Factypecode:	TP		
PWS ID:	CA1910148	PWS name:	SIERRA MADRE-CITY, WATER DEPT.
Address:	Not Reported	Care of:	Not Reported
City:	SIERRA MADRE	State:	CA
Zip:	91024	Owner:	SIERRA MADRE-CITY, WATER DEPT.
Source code:	Ground water	Population:	10800
PWS ID:	CA1910148	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	SIERRA MADRE-CITY, WATER DEPT.
PWS type code:	C	Retail population served:	10570
Contact:	Chris Cimino	Contact address:	232 W. Sierra Madre Blvd.
Contact address:	Sierra Madre	Contact city:	CA
Contact state:	91	Contact zip:	6263557135
Contact telephone:	Not Reported		
County:	Not Reported	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, POST
Population:	10787		
County:	Not Reported	Source:	Ground water
Treatment Objective:	INORGANICS REMOVAL	Process:	RAPID MIX
Population:	10787		
PWS ID:	CA1910148	Activity status:	Active
Date system activated:	9205	Date system deactivated:	Not Reported
Retail population:	00010800	System name:	SIERRA MADRE-CITY, WATER DEPT.
System address:	Not Reported	System address:	232 W SIERRA MADRE BLVD
System city:	SIERRA MADRE	System state:	CA
System zip:	91024		
County FIPS:	037	City served:	SIERRA MADRE
Population served:	10,001 - 50,000 Persons	Treatment:	Mixed (treated and untreated)
Latitude:	340942	Longitude:	1180306
Violation id:	807013	Orig code:	S
State:	CA	Violation Year:	2007

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	12/01/2007
Cmp edt:	12/31/2007		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9307006	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	FLUORIDE
Violation type:	Max Contaminant Level, Average		
Violation start date:	110192	Violation end date:	103195
Violation period (months):	036	Violation awareness date:	113092
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	000000170000000

Violation ID:	807013	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	03/24/2008
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	Not Reported	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	03/24/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Not Reported

Violation ID:	Not Reported	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	05/26/2005
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Not Reported

Violation ID:	Not Reported	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	12/28/2001
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Not Reported

Violation ID:	Not Reported	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Not Reported

PWS name:	SIERRA MADRE-CITY, WATER DEPT.		
Population served:	10570	PWS type code:	C
Violation ID:	0807013	Contaminant:	COLIFORM (TCR)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	12/1/2007 0:00:00	Compliance end date:	12/31/2007 0:00:00
Enforcement date:	3/24/2008 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		

**C17  
SE  
1/2 - 1 Mile  
Lower**

**FED USGS USGS40000142207**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N011W21H002S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	530

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Depth Units:	ft	Well Hole Depth:	530
Well Hole Depth Units:	ft		

**C18**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS    USGS40000142206**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N011W21H003S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	600
Well Depth Units:	ft	Well Hole Depth:	600
Well Hole Depth Units:	ft		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91024	14	0

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

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### Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### 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

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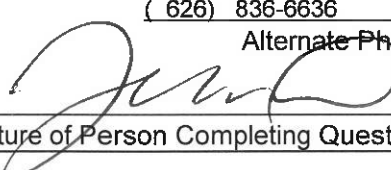
**APPENDIX D**  
**PHASE I ESA QUESTIONNAIRES**

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# Phase I ESA Current Owner Questionnaire



City of Sierra Madre – Corporate Yards		
Project Site Name		
621 E. Sierra Madre Blvd.		
Project Site Street Address		
Sierra Madre	CA	91024
City	State	Zip

James Carlson		City of Sierra Madre	
Name of Person Completing Questionnaire		Company	
232 W. Sierra Madre Blvd.	Sierra Madre	Ca	91024
Street Address	City	State	Zip
(626) 355-7135	( 626) 836-6636		
Daytime Phone	Alternate Phone		
jcarlson@cityofsierramadre.com			
Email Address	Signature of Person Completing Questionnaire	Date	

**Directions:** Please answer all questions to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response.

Note: U or NR indicates "Unknown" or "No Response".

Project Site Description	
Total size (acre/sq. ft): 31,140 sq ft.	Size of Developed area(s) not formally developed
How is Project Site zoned? Institutional	Vacant / Improved? Vacant, slightly improved
Is Project Site currently occupied? Not site, but facility is used by Public Works and Utility staff	How long under current ownership? 89 years
Current uses? Settling basin for ground water recharge. Very seldom used in many years.	
Past uses? Settling Basin for ground water recharge.	

# Phase I ESA Current Owner Questionnaire



Structures on Property	1. None at project site		Age:
	2.		Age:
	3.		Age:
Ground cover (check applicable)	Asphalt		Concrete
	Landscaped		Soil/Rock <check>
	Vegetation		Other
Land Features	Direction of Slope S		Flat, <Gentle>, Moderate, Steep (circle applicable)
	Wetlands? (Y/N) N		Sensitive Lands (Y/N) N      Surface Water (Y/N) N
How is storm water handled?		Basins are designed to progressively receive stormwater flows as basins up stream fill.	
Herbicide / Pesticide use? (type, quantity, frequency)		U	
Utilities	Is a septic system present?      No		Are wells present?      Not at site
	Sewer	Not at site	Water      Not at site
	Propane	Not at site	Natural Gas      Not at site
	Fuel Oil	Not at site	Electricity      Not at site
	Waste (Trash)	Not at site	Waste Storage      Not at site

<b>Surrounding Properties</b>	
General Description of Area: Project site is contained within the Corporate Yard. This is offices, vehicle storage, water treatment, water wells, and additional storage basins. There are two baseball fields and a City Park in the area.	
Use of Surrounding Properties	North:    Settling    Basins,    then    South: City Park and associated facilities residential
	East:    Settling    Basins,    then    West: Residential residential

# Phase I ESA

## Current Owner Questionnaire



Question		Owner/Occupant			Comments
		Yes	No	U-NR	
1A.	Is the Project Site used for an industrial use?		X		Project Site is not, but areas on large property could be considered industrial.
1B.	Are any Adjoining Properties used for an industrial use?		X		
2A.	To the best of your knowledge, has the Project Site been used for an industrial use in the past?		X		
2B.	To the best of your knowledge, has any Adjoining Properties been used for an industrial use in the past?		X		
3A.	Is the Project Site used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		X		Project Site is not, but areas on large property have fueling stations, storage, temporary waste storage, water treatment.
3B.	Is any Adjoining Property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	X			Project Site is not, but areas on large property have fueling stations, storage, temporary waste storage, water treatment.
4A.	To the best of your knowledge, has the Project Site been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		X		Project Site is not, but areas on large property have fueling stations, storage, temporary waste storage, water treatment.
4B.	To the best of your knowledge, has any Adjoining Property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	X			Project Site is not, but areas on large property have fueling stations, storage, temporary waste storage, water treatment.

# Phase I ESA

## Current Owner Questionnaire

5A.	Are there currently any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5-gallons in volume or 50-gallons in the aggregate, stored on or used at the Project Site?		X		Project Site is not, but areas on large property have fueling stations, storage, temporary waste storage, water treatment.
5B.	To the best of your knowledge, have there been previously any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5-gallons in volume or 50-gallons in the aggregate, stored on or used at the Project Site?		X		Project Site is not, but areas on large property have fueling stations, storage, temporary waste storage, water treatment.
6A.	Are there currently any industrial drums (typically 55-gallon) or sacks of chemicals located on the Project Site?		X		Possible on large property.
6B.	To the best of your knowledge, have there been previously any industrial drums (typically 55-gallon) or sacks of chemicals located on the Project Site?		X		Possible on large property.
7A.	Has fill dirt been brought onto the Project which originated from a contaminated Project Site?		X		Fill dirt is only allowed on large property from incidental Public Works or Utility activities.
7B.	Has fill dirt been brought onto the Project Site which is of an unknown origin?		X		
8A.	Are there currently any pits, ponds, or lagoons located on the Project Site in connection with waste treatment or waste disposal?		X		All pits, etc. are for ground water recharge.
8B.	To the best of your knowledge, have there been previously any pits, ponds, or lagoons located on the Project Site in connection with waste treatment or waste disposal?		X		
9A.	Is there currently, any stained soil on the Project Site?		X		
9B.	To the best of your knowledge, has there been previously any stained soil on the Project Site?		X		



# Phase I ESA Current Owner Questionnaire



10A.	Are there currently any registered or unregistered storage tanks (above or underground) located on the Project Site?		X		
10B.	To the best of your knowledge, have there been previously any registered or unregistered storage tanks (above or underground) located on the Project Site?			X	Unknown but very doubtful at the Project Site.
11A.	Are there currently any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the Project or adjacent to any structure located on the Project Site?			X	
11B.	To the best of your knowledge, have there been previously any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the Project or adjacent to any structure located on the Project Site?			X	
12A.	Are there currently any flooring, drains, or walls located at the Project Site that are stained by substances other than water or are emitting foul odors?		X		
12B.	To the best of your knowledge, have there been previously any flooring, drains, or walls located at the Project Site that are stained by substances other than water or are emitting foul odors?		X		
13A.	If the Project Site is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system?		X		
13B.	If the Project Site is served by a private well or non-public water system, has the well been designated as contaminated by any government environmental/ health agency?			NA	
14.	Are there any Environmental Liens or governmental notification relating to past or current violations of environmental laws with respect to the Project Site or any facility located on the Project Site?		X		

# Phase I ESA

## Current Owner Questionnaire



15A.	Has the owner or occupant of the Project Site been informed of the past existence of hazardous substances or petroleum products with respect to the Project Site or any facility located on the Project Site?			X	Not at Project Site. Possible for Large Property
15B.	Has the owner or occupant of the Project Site been informed of the current existence of hazardous substances or petroleum products with respect to the Project or any facility located on the Project Site?			X	Not at Project Site. Possible for Large Property
15C.	Has the owner or occupant of the Project Site been informed of the past existence of environmental violations with respect to the Project Site or any facility located on the Project Site			X	Not at Project Site. Possible for Large Property
16.	Have there been any Environmental Site Assessments of the Project that indicated the presence of hazardous substances or petroleum products on, or contamination of, the Project Site or recommended further assessment of the Project Site?			X	Not at Project Site. Possible for Large Property
17.	Are there any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the Project Site			X	Not at Project Site. Possible for Large Property
18A.	Does the Project Site discharge waste water on or adjacent to the Project, other than storm water, into a storm water sewer system?		X		
18B.	Does the Project Site discharge waste water on or adjacent to the Project Site, other than storm water, or into a sanitary system?		X		
19.	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the Project Site?			X	Not at Project Site. Possible for Large Property
20.	Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of			X	

# Phase I ESA Current Owner Questionnaire

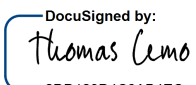


	PCBs at the Project Site?				
21.	Is there now or has there ever been any asbestos-containing materials (ACM), in any application, on the Project Site?			X	Not at Project Site. Possible for Large Property
22.	Has there ever been any ACM testing conducted on the Project Site?			X	
23.	Is there now or has there ever been any lead-based paint (LBP) applications on the Project Site?			X	Not at Project Site. Possible for Large Property
24.	Has there ever been LBP testing conducted on the Project Site?			X	
25.	Has the water at the Project Site ever been tested for lead?		X		
26.	Has Radon testing ever been conducted at the Project Site			X	
27.	Is the Project Site or any portion of the Project Site located or involved in any environmentally sensitive areas (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, floodplains, endangered species, etc.)?		X		
28.	Summarize historical Project Site use (when was the Project Site developed with the current improvements, what modifications have taken place, what was the Project Site used for prior to it's current use)?				Site developed for ground water recharge basins in 1931. No substantial modifications since.
29.	Have there been excavations at the Project Site associated with remediation of a spill and/or release of hazardous and/or other substances?		X		

# Phase I ESA User Questionnaire



City of Sierra Madre			
PROJECT NAME			
621 E. Sierra Madre Blvd.	Sierra Madre	CA	91024
STREET ADDRESS	CITY	STATE	ZIP

Thomas Cemo			
NAME OF PERSON COMPLETING QUESTIONNAIRE			
REC Solar			
COMPANY/COMPANIES/INDIVIDUAL REPRESENTED			
3450 Broad st. Suite 105	San Luis Obispo	CA	93402
STREET ADDRESS	CITY	STATE	ZIP
8057041245	tcemo@recsolar.com		
TELEPHONE	EMAIL	ALTERNATE TELEPHONE	
 <small>2DD429D4C8AB4EG...</small>		10/2/2019	
SIGNATURE OF PERSON COMPLETING QUESTIONNAIRE		DATE COMPLETED	

## Landowner Liability Protections

Padre requests that the *user*<sup>1</sup> as defined in the American Society for Testing and Materials (ASTM) E1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* complete the following questionnaire to the best of the user's knowledge and in good faith. Completion of this questionnaire may facilitate the user's qualification for one of the Landowner Liability Protections (LLPs)<sup>2</sup> offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Failure to conduct the following inquiries could result in a determination that "all appropriate inquiries" under the United States Code of Federal Regulations (CFR) 40 Part 312 is not complete. Furthermore, the absence of this information may constitute a *data gap* pursuant to Section 12.7 of the E1527 Standard.

<sup>1</sup> "The party seeking to use Practice E1527 to complete an environmental site assessment of the property..." Under the ASTM E1527 Standard, the user has specific obligations

<sup>2</sup> Landowner Liability Protections (LLPs)—landowner liability protections under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S. C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r). Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements" Guide) issued on March 6, 2003.

# Phase I ESA User Questionnaire



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**(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).**

Did a search of recorded land title records (or judicial records where appropriate, (see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

          Unsure, we have a title report that is in process which can be provided upon completion.

*NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and Activity and Use Limitation (AULs) be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.*

**(2.) Activity and use limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)).**

Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

          Unsure, we have a title report that is in process which can be provided upon completion.

**(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**

Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

          No

**(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).**

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

          No, Land is being leased at a fair market value

# Phase I ESA User Questionnaire

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# Phase I ESA User Questionnaire



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**(5.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the property? City Storage, Stormwater retention ponds, city water pumping station

(b.) Do you know of specific chemicals that are present or once were present at the property? There is a chlorine tank for water purification,

(c.) Do you know of spills or other chemical releases that have taken place at the property? No

(d.) Do you know of any environmental cleanups that have taken place at the property?  
No

**(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**

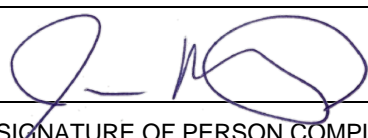
Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

No

# Phase I ESA User Questionnaire



Solar Photovoltaic Project for the City of Sierra Madre			
PROJECT NAME			
611 E Sierra Madre Blvd	Sierra Madre	CA	91024
STREET ADDRESS	CITY	STATE	ZIP

James McRacken Jr.			
NAME OF PERSON COMPLETING QUESTIONNAIRE			
Westbound Solar 2, LLC, Skyhigh Sun 2, LLC and Duke Energy Renewables Commercial, LLC			
COMPANY/COMPANIES/INDIVIDUAL REPRESENTED			
13339 Hagers Ferry Road	Huntersville	NC	28078
STREET ADDRESS	CITY	STATE	ZIP
704-996-8671	James.mcracken@duke-energy.com		
TELEPHONE	EMAIL	ALTERNATE TELEPHONE	
		11/30/2020	
SIGNATURE OF PERSON COMPLETING QUESTIONNAIRE		DATE COMPLETED	

## Landowner Liability Protections

Padre requests that the *user*<sup>1</sup> as defined in the American Society for Testing and Materials (ASTM) E1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* complete the following questionnaire to the best of the user's knowledge and in good faith. Completion of this questionnaire may facilitate the user's qualification for one of the Landowner Liability Protections (LLPs)<sup>2</sup> offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Failure to conduct the following inquiries could result in a determination that "all appropriate inquiries" under the United States Code of Federal Regulations (CFR) 40 Part 312 is not complete. Furthermore, the absence of this information may constitute a *data gap* pursuant to Section 12.7 of the E1527 Standard.

<sup>1</sup> "The party seeking to use Practice E1527 to complete an environmental site assessment of the property..." Under the ASTM E1527 Standard, the user has specific obligations

<sup>2</sup> Landowner Liability Protections (LLPs)—landowner liability protections under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S. C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r). Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements" Guide) issued on March 6, 2003.



# Phase I ESA User Questionnaire



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**(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).**

Did a search of recorded land title records (or judicial records where appropriate, (see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

Unknown

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*NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and Activity and Use Limitation (AULs) be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.*

**(2.) Activity and use limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)).**

Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

Unknown

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**(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**

Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

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**(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).**

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

NA - Lease

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# Phase I ESA User Questionnaire



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**(5.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the property? \_\_\_\_\_ No \_\_\_\_\_

(b.) Do you know of specific chemicals that are present or once were present at the property? \_\_\_\_\_ No \_\_\_\_\_

(c.) Do you know of spills or other chemical releases that have taken place at the property? \_\_\_\_\_ No \_\_\_\_\_

(d.) Do you know of any environmental cleanups that have taken place at the property?

\_\_\_\_\_ No \_\_\_\_\_

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**(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

\_\_\_\_\_ No \_\_\_\_\_

**APPENDIX E  
QUALIFICATIONS**

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## QUALIFICATIONS

The environmental professionals responsible for conducting or reviewing this Phase I ESA and preparing the report include Mr. Chris Prevost and Mr. Jerome Summerlin. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental

**Chris Prevost, P.E.**, is a Senior Project Manager with Padre Associates. He holds a Bachelor of Science degree in Environmental Engineering from California Polytechnic State University at San Luis Obispo. Mr. Prevost is a State of California Registered Civil Engineer and has completed continued education in the area of environmental assessments. Mr. Prevost's responsibilities include the completion of Phase I and II environmental site assessments and implementation of remediation programs within Padre's Geo-environmental group. Mr. Prevost has performed over 100 Phase I ESAs throughout the California Central Coast area from Santa Cruz to Santa Barbara Counties. Mr. Prevost routinely manages the completion of Phase II site assessments for determining whether soil and/or groundwater impacts have occurred from current or historical site uses. Mr. Prevost manages the implementation of soil and/or groundwater remediation activities including soil vapor extraction, groundwater treatment systems, chemical oxidation, bioremediation and excavation and on-site treatment or off-site disposal for sites with identified impacts.

**Jerome K. Summerlin, P.G., C.E.G., C.Hg.**, is a Principal Geologist with Padre Associates, Inc.. He holds a Bachelor of Science degree in Geology from California State University, Chico. Mr. Summerlin obtained a Professional Certificate in Hazardous Materials Management from the University of California at Santa Barbara Extension in 1991 and a Professional Certificate in Site Assessment and Remediation from the University of California at Davis in 1993. Mr. Summerlin is a State of California Professional Geologist, Certified Engineering Geologist, and Certified Hydrogeologist. Mr. Summerlin is responsible for the firm's Geo-environmental assessment and remediation practices. Mr. Summerlin has been responsible for and participated in a variety of geotechnical, geologic, hydrogeologic, and geoenvironmental projects throughout California, Nevada, Utah, Alaska, Wyoming, Texas, Arizona, and Hawaii. He has managed environmental assessment and remediation projects, which have included preliminary site assessment (Phase I), site assessment (Phase II), remedial action design and planning/permitting, implementation of remedial action programs (Phase III), and verification monitoring upon completion of remedial actions (Phase IV). His training and experience includes a firm understanding of environmental laws and regulations, sample collection, analytical procedures and protocols, site safety procedures, quality assurance/quality control requirements, remedial action feasibility analyses, and design of remedial systems.

## DECLARATION

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional, as defined in §312.10 of 40 CFR §312. We have specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Additionally, the subject Phase I ESA has been performed in conformance with the scope and limitations of ASTM Practice E1527-13.



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By: Chris O. Prevost

Dated: November 30, 2020