# AIR QUALITY ANALYSIS

# CAL MEADOWS DEVELOPMENT
# 1820 UNION WAY
# DESERT HOT SPRINGS, CALIFORNIA
# APN 666-350-033

**LEAD AGENCY:**

**CITY OF DESERT HOT SPRINGS**
**PLANNING DIVISION**
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# FEBRUARY 17, 2020

**DHSP 001**

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## 1. PROJECT OVERVIEW

This Initial Study analyzes the environmental impacts associated with the development of a 0.98-acre (42,689 square-foot) parcel located within the southern portion of the City of Desert Hot Springs. The total net land area of the site when discounting the easements required for the roadway improvements, would total 34,605 square feet. The proposed project would involve the construction of a new two-story 25,641 square-foot cannabis cultivation facility. The total building area footprint would consist of 12,991 square feet. Of the total site area, 15,359 square feet of the project site would be paved for parking and driveway access. The remaining area consisting of 6,255 square feet would be landscaped. The property currently has a General Plan and Zoning land use designation of Light Industrial.

## 2. PROJECT LOCATION

The project site is located approximately three and a half miles from the downtown civic center of the City of Desert Hot Springs, California. The City of Desert Hot Springs is located within the Coachella Valley geographic region of Riverside County, approximately fifty miles east of the City of Riverside. The City of Desert Hot Springs is bounded to the north by unincorporated Riverside County; to the east by the Coachella Valley Preserve and unincorporated Riverside County; to the south by the City of Palm Springs and the San Jacinto Mountains; and to the west by the City of Palm Springs and undeveloped desert land within unincorporated Riverside County.[1]

Regional access to the City of Desert Hot Springs and the project site is provided by two area highways. The Interstate 10 (I-10) extends in an east to west orientation approximately one mile south of the project site, and State Route 62 (Twentynine Palms Highway) which originates at the I-10 and extends in a northeastern direction approximately four miles to the west of the project site.[2] The proposed project site has a General Plan and zoning land use designation of Light Industrial. The proposed project site is located at 1820 Union Way, approximately 750 feet southwest of the intersection at 18th Avenue and Little Morongo Road in the City of Desert Hot Springs. The corresponding Assessor Parcel Number (APN) is 666-350-033.

## 3. ENVIRONMENTAL SETTING

The proposed project site is located on 0.98 acres of undeveloped desert land within the southern portion of the City of Desert Hot Springs. The project site is covered over in undisturbed gravel, sandy soil, and ruderal vegetation. Plant species present on the site included creosote bush, white ratany, Schott's dalea, white bursage, California primrose, desert woollystar, and fiddleneck. Access to the project site is provided by 18th Avenue and Little Morongo Road, both unpaved local roads. A third unpaved and ungraded Powerline Road, used by Southern California Edison (SCE) maintenance vehicles, extends in a northwest to southeast orientation along the northeastern boundary of the property line.[3]

[1] Blodgett Baylosis Environmental Planning. 2020.

[2] Google Earth. Website accessed April 30, 2020. Field survey was completed on April 24, 2020.

[3] Google Earth. Website accessed April 30, 2020. Field survey was completed on April 24, 2020.

## 4. CHARACTERISTICS OF AIR POLLUTANTS

Air quality impacts may occur during the construction or operation of a project, and may come from stationary (e.g., industrial processes, generators), mobile (e.g., automobiles, trucks), or area (e.g., residential water heaters) sources. The project site and City of Desert Hot Springs are located within the Salton Sea Air Basin (SSAB) which is under the jurisdiction of the South Coast Air Quality Management District (SQAQMD). The SCAQMD is the regulatory agency responsible for improving air quality for a 6,600 square-mile area covering areas of Los Angeles, Orange County, Riverside and San Bernardino counties, including the Coachella Valley.[13] Measures to improve regional air quality are outlined in the SCAQMD's Air Quality Management Plan (AQMP). The most recent AQMP was adopted in 2017 and was jointly prepared with the California Air Resources Board (CARB) and the Southern California Association of Governments (SCAG). The AQMP will help the SCAQMD maintain focus on the air quality impacts of major projects associated with goods movement, land use, energy efficiency, and other key areas of growth.

The SQAQMD has established quantitative thresholds for short-term (construction) emissions and long-term (operational) emissions for the criteria pollutants listed below. Projects in the South Coast Air Basin generating construction and operational-related emissions that exceed any of the following emissions thresholds are considered to be significant under CEQA.

- *Ozone (O3)* is a nearly colorless gas that irritates the lungs, damages materials, and vegetation. Ozone is formed by photochemical reaction (when nitrogen dioxide is broken down by sunlight).

- *Carbon Monoxide (CO)* is a colorless, odorless toxic gas that interferes with the transfer of oxygen to the brain and is produced by the incomplete combustion of carbon-containing fuels emitted as vehicle exhaust. The threshold is 550 pounds per day of carbon monoxide (CO).

- *Nitrogen Oxide (NOx)* is a yellowish-brown gas, which at high levels can cause breathing difficulties. NOx is formed when nitric oxide (a pollutant from burning processes) combines with oxygen. The daily threshold is 55 pounds per day of nitrogen oxide (NOx).

- *Sulfur Dioxide* (SO2) is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. Health effects include acute respiratory symptoms. The daily threshold is 150 pounds per day of sulfur oxides (SO2).

- *PM10 and PM2.5* refers to particulate matter less than ten microns and two and one-half microns in diameter, respectively. Particulates of this size cause a greater health risk than larger-sized particles since fine particles can more easily cause irritation. The daily threshold is 150 pounds per day of PM10 and 55 pounds per day of PM2.5.

- *Reactive Organic Gasses (ROG)* refers to organic chemicals that, with the interaction of sunlight photochemical reactions may lead to the creation of "smog." The daily threshold is 55 pounds per day of ROG.

According to the SCAQMD, a project is non-conforming if it conflicts with, or delays implementation of any applicable attainment or maintenance plan. A project is conforming if it complies with all applicable District

[13] South Coast Air Quality Management District (SCAQMD). *California Environmental Quality Act (CEQA) and Federal Conformity Guidelines*. Report dated August 2016.

rules and regulations, complies with all proposed control measures that are not yet adopted from the applicable plan(s), and is consistent with the growth forecasts in the applicable plan(s) (or is directly included in the applicable plan). Conformity with growth forecasts may be established by demonstrating that the project is consistent with the land use plan that was used to generate the growth forecast. An example of a non-conforming project would be one that increases the gross number of dwelling units, increases the number of trips, and/or increases the overall vehicle miles traveled in an affected area relative to the applicable land use plan.[14]

The United States Environmental Protection Agency (USEPA) and the California Air Resources Board (CARB) have designated portions of the District non-attainment for a variety of pollutants, and some of those designations have an associated classification. Please refer to Table 1 for a chart of these designations and classifications. As indicated in Table 1, Salton Sea Air Basin Attainment Status, the Coachella Valley-portion of the SSAB has been designated by the EPA as a non-attainment area for ozone (O3) and suspended particles (PM10). Currently, the SSAB is in attainment with the ambient air quality standards for carbon monoxide (CO), lead, sulfur dioxide (SO2), nitrogen dioxide (NO2), and particulate matter (PM2.5).

**Table 1**
**Salton Sea Air Basin Status**

| Pollutant | State Attainment Status | Federal Attainment Status |
|---|---|---|
| Ozone | Nonattainment | Nonattainment |
| Carbon Monoxide | Attainment | Attainment |
| Nitrogen Dioxide | Attainment | Unclassified Nonattainment |
| Sulfur Dioxide | Attainment | Attainment |
| Particulates (10 microns) | Nonattainment | Nonattainment |
| Particulates (2.5 microns) | Attainment | Unclassified Attainment |

Source of State status: California Air Resources Board 2020.

## 5. CONFORMITY WITH REGIONAL AIR QUALITY PLAN

The proposed project involves the development of a 0.98-acre (42,689 square-foot) property for use as a cannabis cultivation facility, a land use that would conform to the project site's zoning designation of Light Industrial and applicable development standards. Projects that are consistent with the projections of employment and population forecasts identified in the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) prepared by SCAG are considered consistent with the SCAQMD growth projections, since the RTP/SCS forms the basis of the land use and transportation control portions of the SCAQMD. According to the Growth Forecast Appendix prepared by SCAG for the 2016-2040 RTP/SCS, the City of Desert Hot Springs is projected to add a total of 31,100 new residents and 9,200 new employees through the year 2040.[15]

[14] South Coast Air Quality Management District (SCAQMD). *California Environmental Quality Act (CEQA) and Federal Conformity Guidelines*. Report dated August 2016.

[15] SCAG 2016 RTP/SCS Demographics and Growth Forecast Appendix. December 2015.

The primary criterial pollutant in the Coachella Valley is particulate matter ($PM_{10}$ and $PM_{2.5}$) consisting of wind-blown sand. This wind-blown sand, often referred to as blowsand, is the result of the aeolian (windborne) transport of smaller dust particles. This fugitive dust is particulate matter that is suspended in the air due to direct or indirect human activities. Two South Coast AQMD rules, Rule 403 and 403.1 were adopted for the purpose of reducing the amount of fugitive dust entrained as a result of human activities. Rule 403 applies to any activity capable of generating fugitive dust. Rule 403.1 is supplemental to Rule 403 and applies only to fugitive dust sources in Coachella Valley. The project contractors will be required to adhere to both of these SCAQMD Rules during grading.

The proposed project will not introduce new residents and will be consistent with the applicable General Plan and zoning designation of Light Industrial. No zone change or general plan amendment will be required to implement the proposed project. Therefore, the proposed project is not in conflict with the growth projections established for the City by SCAG. The project's construction emissions would be below the thresholds of significance established by the SCAQMD (refer to the analysis included in the next section where construction emissions are summarized in Table 3-2). In addition, the proposed project's long-term (operational) airborne emissions will be below levels that the SCAQMD considers to be a significant impact (the long-term stationary and mobile emissions for the proposed project are summarized in Table 3-3). Therefore, the project will not conflict with or obstruct implementation of the applicable air quality plan and as a result, the impacts will be less than significant.

## 6. IMPACT THRESHOLDS

The proposed project involves the development of a 0.98-acre (42,689 square-foot) property for use as a cannabis cultivation facility, a land use that would conform to the project site's zoning designation of Light Industrial and applicable development standards. According to the SCAQMD, any project is significant if it triggers or exceeds the SCAQMD daily emissions threshold identified previously and noted at the bottom of Tables 3-2 and 3-3. In general, a project will have the potential for a significant air quality impact if any of the following are met:

- Generates total emissions (direct and indirect) that exceeds the SCAQMD thresholds (the proposed project emissions are less than the thresholds as indicated in Tables 3-2 and 3-3);

- Results in a violation of any ambient air quality standard when added to the local background (the proposed project will not result, in any violation of these standards);

- Does not conform with the applicable attainment or maintenance plan(s) (the proposed project is in conformance with the City's Zoning and General Plan); and,

- Exposes sensitive receptors to substantial pollutant concentrations, including those resulting in a cancer risk greater than or equal to 10 in a million and/or a Hazard Index (HI) (non-cancerous) greater than or equal to 1 (the proposed project will not expose sensitive receptors to substantial pollutant concentrations nor is the site located near any sensitive receptors).

## 7. CONSTRUCTION (SHORT-TERM) EMISSIONS

The proposed project's construction and operation will not lead to a violation of the above-mentioned criteria. The analysis of daily construction and operational emissions was prepared utilizing the California Emissions Estimator Model (CalEEMod V.2016.3.2). For air quality modeling purposes, a six-month period

of construction for all five phases was assumed. As shown in Table 2, daily construction emissions will not exceed the SCAQMD significance thresholds. The short-term construction emissions will be limited to those emissions generated during project construction.

**Table 2**
**Estimated Daily Construction Emissions (Mitigated, Lbs./day)**

| Construction Phase | ROG | NOx | CO | SO2 | PM10 | PM2.5 |
|---|---|---|---|---|---|---|
| Site Preparation (on-site) | 0.64 | 7.82 | 4.02 | -- | 0.54 | 0.30 |
| Site Preparation (off-site) | 0.02 | 0.01 | 0.18 | -- | 0.06 | 0.02 |
| **Total Site Preparation** | **0.68** | **7.83** | **4.20** | **--** | **0.60** | **0.32** |
| Grading (on-site) | 0.80 | 7.25 | 7.57 | 0.01 | 0.75 | 0.57 |
| Grading (off-site) | 0.04 | 0.03 | 0.38 | -- | 0.11 | 0.03 |
| **Total Grading** | **0.84** | **7.28** | **8.95** | **0.01** | **0.86** | **0.60** |
| Building Construction (on-site) | 0.78 | 7.99 | 7.26 | 0.01 | 0.45 | 0.41 |
| Building Construction (off-site) | 0.09 | 0.71 | 0.80 | -- | 0.24 | 0.07 |
| **Total Building Construction** | **0.87** | **8.70** | **8.06** | **0.01** | **0.69** | **0.48** |
| Paving (on-site) | 0.80 | 6.72 | 7.09 | 0.01 | 0.35 | 0.33 |
| Paving (off-site) | 0.08 | 0.05 | 0.68 | -- | 0.20 | 0.05 |
| **Total Paving** | **0.88** | **6.77** | **7.77** | **0.01** | **0.55** | **0.38** |
| Architectural Coating (on-site) | 22.23 | 1.53 | 1.82 | -- | 0.90 | 0.90 |
| Architectural Coating (off-site) | 0.02 | -- | 0.11 | -- | 0.30 | -- |
| **Total Architectural Coating** | **22.25** | **1.53** | **1.93** | **--** | **1.20** | **0.90** |
| **Maximum Daily Emissions** | **22.25** | **8.70** | **8.95** | **0.01** | **0.86** | **0.90** |
| **Daily Thresholds** | **75** | **55** | **550** | **150** | **150** | **55** |
| **Significant Impact?** | **No** | **No** | **No** | **No** | **No** | **No** |

Source: CalEEMod V.2016.3.2.

## 8. LONG-TERM (OPERATIONAL) EMISSIONS)

Long-term emissions refer to those air quality impacts that will occur once the proposed project has been constructed and is operational. These impacts will continue over the operational life of the project. The two main sources of operational emissions include mobile emissions and area emissions related to off-site electrical generation. The analysis of long-term operational impacts summarized in Table 3 also used the CalEEMod V.2016.3.2 computer model. The analysis summarized in Table 3 indicates that the operational (long-term) emissions will be below the SCAQMD daily emissions thresholds.

**Table 3**
**Estimated Operational Emissions in lbs/day**

| Emission Source | ROG | NOx | CO | SO2 | PM10 | PM2.5 |
|---|---|---|---|---|---|---|
| Area-wide (lbs/day) | 0.58 | -- | -- | -- | -- | -- |
| Energy (lbs/day) | 0.02 | 0.22 | 0.19 | -- | 0.02 | 0.02 |
| Mobile (lbs/day) | 0.35 | 1.85 | 5.21 | 0.02 | 1.70 | 1.46 |
| **Total (lbs/day)** | **0.95** | **2.07** | **5.40** | **0.02** | **1.72** | **1.48** |
| **Daily Thresholds** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Significant Impact?** | **No** | **No** | **No** | **No** | **No** | **No** |

Source: CalEEMod V.2016.3.2.

The analysis presented in Tables 2 and 3 reflect projected emissions that are typically higher during the summer months and represent a worse-case scenario. As indicated in Tables 2 and 3, the impacts are considered to be less than significant. In addition, the SCAQMD Rule Book contains numerous regulations governing various activities undertaken within the District. Among these regulations is Rule 403.2 – Fugitive Dust Control for the South Coast Planning Area, which was adopted in 1996 for the purpose of controlling fugitive dust. Adherence to Rule 403.2 regulations is required for all projects undertaken within the District. Future construction truck drivers must also adhere to Title 13 - §2485 of the California Code of Regulations, which limits the idling of diesel-powered vehicles to less than five minutes.[3] Adherence to the aforementioned standard condition will minimize odor impacts from diesel trucks. Adherence to Rule 403 Regulations and Title 13 - §2485 of the California Code of Regulations will reduce potential impacts to levels that are less than significant.

## 9. SENSITIVE RECEPTORS

According to the SCAQMD, residences, schools, daycare centers, playgrounds, and medical facilities are considered sensitive receptor land uses. Furthermore, fugitive dust emission, which is responsible for PM10 and PM2.5 emissions, will further be reduced through the implementation of SCAQMD regulations related to fugitive dust generation and other construction-related emissions. These SCAQMD regulations are standard conditions required for every construction project undertaken in the City as well as in the cities and counties governed by the SCAQMD. The nearest sensitive receptors are located approximately 3,900 feet (¾ mile) to the north of the project site. Since the nearest sensitive receptor is located outside of the Localized Significance Thresholds Look-Up Tables screening radius of 500 meters (1,640 feet), a less than significant localized impact would occur during construction and operation of the project at the nearest sensitive receptors. In addition, the proposed project will be required to adhere to all dust suppression requirements detailed in SCAQMD Rules 403 and 403.1. As a result, the impacts will be less than significant.

## 10. GREENHOUSE GAS EMISSIONS

The State of California requires CEQA documents to include an evaluation of greenhouse gas (GHG) emissions or gases that trap heat in the atmosphere. GHG are emitted by both natural processes and human activities. Examples of GHG that are produced both by natural and industrial processes include carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O). Carbon dioxide equivalent, or CO2E, is a term that is used for describing different greenhouses gases in a common and collective unit. Two landmark California bills were recently passed to address climate change and global warming: Assembly Bill-32 and Senate Bill-32.

Assembly Bill 32 (AB 32) requires California to reduce its GHG emissions to 1990 levels by 2020 — a reduction of approximately 15 percent below emissions expected under a "business as usual" scenario. Pursuant to AB 32, the CARB must adopt regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. The full implementation of AB 32 will help mitigate risks associated with climate change, while improving energy efficiency, expanding the use of renewable energy resources, cleaner transportation, and reducing waste.

The *California Global Warming Solutions Act of 2006*, or *SB-32*, is a California Senate bill expanding upon AB-32 to reduce GHG emissions. SB-32 was signed into law on September 8, 2016 establishes mandated reduction targets for GHG emissions. SB-32 requires CARB to reduce greenhouse gas emissions to 40% below the 1990 levels by 2030. This bill gives CARB the authority to adopt regulations in order to achieve

the maximum technology feasible to be the most cost-efficient way to reduce greenhouse gas emissions. They are also required to meet these goals in such a way that benefits the state's most disadvantaged communities as they are "disproportionately impacted" by the effects of climate change, such as drought and flooding. The City of Desert Hot Springs General Plan DEIR Update established a 3,000 MTCO2E threshold for industrial land uses. As indicated in Table 4, the CO2E total for the project is 378.91 MTCO2E per year when adding operational emissions and amortized construction emissions, which is below the aforementioned thresholds.

**Table 4**
**Greenhouse Gas Emissions Inventory**

| Source | GHG Emissions (metric tons/year) | | | |
|---|---|---|---|---|
| | **CO2** | **CH4** | **N2O** | **CO2E** |
| Long-Term – Area Emissions | -- | -- | -- | -- |
| Long-Term - Energy Emissions | 129.09 | -- | -- | 129.65 |
| Long-Term - Mobile Emissions | 246.60 | 0.01 | -- | 246.88 |
| Long-Term - Total Emissions | 375.69 | 0.01 | -- | 376.53 |
| Total Construction Emissions | 71.17 | 0.01 | 0.00 | 71.61 |
| Construction Emissions Amortized Over 30 Years | | | | 2.38 MTCO2E |
| Operational Emissions w/Amortized Construction | | | | **378.91 MTCO2E** |
| Significance Threshold | | | | **3,000 MTCO2E** |

Furthermore, the projected vehicle trips to and from the site will not be significant given the proposed use. No customers will visit the project site since the new business will be closed to the general public. As a result, the potential impacts are considered to be less than significant.

The City of Desert Hot Springs adopted a Climate Action Plan (CAP) in 2013 that included policies and programs that would be effective in reducing GHG emissions within the City. The CAP is based on the directives of the Assembly Bill (AB) 32 and Executive Order (EO) S-3-05 and uses a baseline GHG emission inventory from the Year 2010 to establish the City's baseline emissions for the purposes of assessing future GHG reduction goals and forecasting GHG emissions in the future. In the Year 2010, the CAP estimated the city's community-wide GHG emissions were approximately 100,654 MTCO2e. Based on this historical emissions profile, the CAP established its annual Year 2020 GHG emission reduction goal to be 64,047 MTCO2e, which would require an approximately 48,769 MTCO2e decrease from its forecasted scenario for the Year 2020.

To achieve this objective, the CAP included 80 specific measures specifically designed to reduce the City's GHG emissions. These measures are grouped into the following seven key issue areas: live, work, development, mobility, governance, recreation, and education. The primary objective of the CAP is to reduce GHG emissions pursuant to directives outlined in AB 32 and EO S-3-05 though the other desired objectives associated with the adoption of the CAP include:

- Increasing energy efficiency in local government operations and in community activities;
- Supporting City and community initiatives to increase health and wellness;
- Creating new jobs associated with smart energy management;

- Saving money now being spent for energy and keeping it in the City be establishing a revolving fund whereby funds derived from municipal energy savings will be available for municipal and community programs to further reduce GHG emissions.

- Maintaining or increasing the comfortable desert lifestyle of residents and visitors alike; and • Bringing Coachella Valley Association of Governments' jurisdictions together for effective regional climate planning.

The proposed project will not be in conflict with the above CAP objectives. In addition, AB-32 requires the reduction of GHG emissions to 1990 levels, which would require a minimum 28% in "business as usual" GHG emissions for the entire State. Additionally, Governor Edmund G. Brown signed into law Executive Order (E.O.) B-30-15 on April 29, 2015, the Country's most ambitious policy for reducing Greenhouse Gas Emissions. Executive Order B-30-15 calls for a 40% reduction in greenhouse gas emissions below 1990 levels by 2030.[31] The proposed project will not involve or require any variance from an adopted plan, policy, or regulation governing GHG emissions. As a result, no potential conflict with an applicable greenhouse gas policy plan, policy, or regulation will occur and no impacts will occur.

## 11. POTENTIAL IMPACTS AND MITIGATION

Cannabis cultivation directly impacts air quality in two (2) predominant operations; plant growth and extraction processes. Cannabis cultivation and, to a lesser degree, the manufacturing process, are often accompanied by the generation of strong odors. The majority of the odors of cannabis come from a class of chemicals called terpenes. Terpenes are among the most common compounds produced by flowering plants and vary widely between plants.[4] Cannabis produces over 140 different terpenes and these chemicals are found in varying concentrations in different cannabis varieties. Tetrahydrocannabinol (THC), the cannabinoid primarily responsible for cannabis' psychoactivity, has no odor whatsoever. The type and potency of cannabis odors range widely from variety to variety, as do receptors' opinions regarding whether the odor is pleasant or objectionable.[16] The natural growth of the cannabis plants, and other processes at cultivation facilities, emit terpenes. Terpenes, known for their strong odor, are volatile organic compounds (VOCs). At facilities such as that being considered, the evaporation of solvents, and other processes in the production cycle also result in VOC emissions. The project Applicant will employ new technologies that will be beneficial to the odor control plan as time progresses including the following:

- *Carbon Filters*. Also known as carbon scrubbers, carbon filters are historically one of the best methods for odor control. This type of filter uses pellets of charcoal to trap the terpenes. Carbon filters are simple to install, effective, and reliable. Carbon filters will be installed at key locations in the facility and will be monitored and replaced by staff on a regular basis.

- *Air Filters*. Standard air filters, also referred to as air purifiers, are typically made of densely woven fiber screens. These filters trap particles as air circulates through the filter, which can either be a stand-alone unit or incorporated into a ventilation system depending on the exact specifications.

[31] Office of Governor Edmund G. Brown Jr. *New California Goal Aims to Reduce Emissions 40 Percent Below 1990 Levels by 2030.*

[16]Cannabis Environmental Best Management Practices Draft Section for Review: Air Quality August 9, 2018.

- *Negative Ion Generators.* The machines will use a negative charge to attract positively charged particles in the air. This equipment will be installed in areas that do not interfere with the production activities but instead can proactively treat the air in order to meet regulations.

- *Air-tight Seals.* The proposed facility will utilize air-tight seals throughout the facility. Predominately used in the exhaust system, these airtight seals will be used in order to keep the exhaust system efficient and effective.

- Negative *Air Pressure.* The Applicant will make use of negative air pressure in order to retain odor for treatment. This will help to serve as a safeguard of odor escaping into the ambient air until it can be treated using the techniques above. GSC Holding Group, LLC. will seal the facility, except for the intake and exhaust, which creates suction when exhaust fans are turned off. The proper use of both negative air and negative ion generators will efficiently expunge odor before leaving the facilities.

- Staff *Training*. The facility's employees will be trained regarding compliance with industry best standards and facility regulations in order to achieve successful odor control. Employees will be trained in the use of odor control methods as well as any new techniques and technologies that may be added in the future.

The project Applicant will be required to prepare an Odor Management Plan pursuant to Riverside County Department of Public Health construction guidelines. In addition, the entire cultivation process will occur in separate rooms. Airlock rooms are provided throughout the facility. These rooms provide additional odor suppression. The following mitigation measure will be required to control odors and to ensure that the indoor air is safe for the workers:

- Indoor air must be filtered so as to remove VOCs from the indoor air envelope. The filtration equipment must be installed prior to the issuance of an Occupancy Permit.

The above mitigation will reduce the potential impacts to levels that are less than significant.

# APPENDIX A

# Elias Malouf - Cal Meadows Development

**South Coast AQMD Air District, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Light Industry | 25.64 | 1000sqft | 0.59 | 25,641.00 | 0 |
| Parking Lot | 15.36 | 1000sqft | 0.35 | 15,359.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 31 |
| **Climate Zone** | 10 | | | **Operational Year** | 2022 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics -

Land Use -

Construction Phase - N/A

Construction Off-road Equipment Mitigation - Construction Mitigation of Water Exposed Area 2x (per day) was selected per SCAQMD Rule 403 minimum requirements.

Area Mitigation -

Water Mitigation -

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| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | NumDays | 5.00 | 11.00 |
| tblConstructionPhase | NumDays | 100.00 | 86.00 |
| tblConstructionPhase | NumDays | 2.00 | 10.00 |
| tblConstructionPhase | NumDays | 5.00 | 11.00 |
| tblConstructionPhase | PhaseEndDate | 6/22/2021 | 6/30/2021 |
| tblConstructionPhase | PhaseEndDate | 6/8/2021 | 5/31/2021 |
| tblConstructionPhase | PhaseEndDate | 1/19/2021 | 1/31/2021 |
| tblConstructionPhase | PhaseEndDate | 1/15/2021 | 1/1/2021 |
| tblConstructionPhase | PhaseStartDate | 1/20/2021 | 2/1/2021 |
| tblConstructionPhase | PhaseStartDate | 6/9/2021 | 6/1/2021 |
| tblConstructionPhase | PhaseStartDate | 1/15/2021 | 1/1/2021 |

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 22.2289 | 8.6991 | 8.0625 | 0.0151 | 0.8645 | 0.4503 | 1.2727 | 0.4434 | 0.4143 | 0.8328 | 0.0000 | 1,482.1813 | 1,482.1813 | 0.3734 | 0.0000 | 1,491.5163 |
| **Maximum** | **22.2289** | **8.6991** | **8.0625** | **0.0151** | **0.8645** | **0.4503** | **1.2727** | **0.4434** | **0.4143** | **0.8328** | **0.0000** | **1,482.1813** | **1,482.1813** | **0.3734** | **0.0000** | **1,491.5163** |

**Mitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 22.2289 | 8.6991 | 8.0625 | 0.0151 | 0.4505 | 0.4503 | 0.8587 | 0.2158 | 0.4143 | 0.6052 | 0.0000 | 1,482.1813 | 1,482.1813 | 0.3734 | 0.0000 | 1,491.5163 |
| **Maximum** | **22.2289** | **8.6991** | **8.0625** | **0.0151** | **0.4505** | **0.4503** | **0.8587** | **0.2158** | **0.4143** | **0.6052** | **0.0000** | **1,482.1813** | **1,482.1813** | **0.3734** | **0.0000** | **1,491.5163** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **47.89** | **0.00** | **32.53** | **51.32** | **0.00** | **27.33** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.5798 | 4.0000e-005 | 4.1900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.9700e-003 | 8.9700e-003 | 2.0000e-005 | | 9.5600e-003 |
| Energy | 0.0246 | 0.2238 | 0.1880 | 1.3400e-003 | | 0.0170 | 0.0170 | | 0.0170 | 0.0170 | | 268.5177 | 268.5177 | 5.1500e-003 | 4.9200e-003 | 270.1133 |
| Mobile | 0.3501 | 1.8526 | 5.2120 | 0.0202 | 1.6828 | 0.0153 | 1.6981 | 0.4503 | 0.0142 | 0.4645 | | 2,057.5193 | 2,057.5193 | 0.0919 | | 2,059.8175 |
| **Total** | **0.9545** | **2.0764** | **5.4041** | **0.0216** | **1.6828** | **0.0323** | **1.7151** | **0.4503** | **0.0313** | **0.4815** | | **2,326.0460** | **2,326.0460** | **0.0971** | **4.9200e-003** | **2,329.9404** |

### Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.5798 | 4.0000e-005 | 4.1900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.9700e-003 | 8.9700e-003 | 2.0000e-005 | | 9.5600e-003 |
| Energy | 0.0246 | 0.2238 | 0.1880 | 1.3400e-003 | | 0.0170 | 0.0170 | | 0.0170 | 0.0170 | | 268.5177 | 268.5177 | 5.1500e-003 | 4.9200e-003 | 270.1133 |
| Mobile | 0.3501 | 1.8526 | 5.2120 | 0.0202 | 1.6828 | 0.0153 | 1.6981 | 0.4503 | 0.0142 | 0.4645 | | 2,057.5193 | 2,057.5193 | 0.0919 | | 2,059.8175 |
| **Total** | **0.9545** | **2.0764** | **5.4041** | **0.0216** | **1.6828** | **0.0323** | **1.7151** | **0.4503** | **0.0313** | **0.4815** | | **2,326.0460** | **2,326.0460** | **0.0971** | **4.9200e-003** | **2,329.9404** |

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

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 1/1/2021 | 1/1/2021 | 5 | 1 | |
| 2 | Grading | Grading | 1/16/2021 | 1/31/2021 | 5 | 10 | |
| 3 | Building Construction | Building Construction | 2/1/2021 | 5/31/2021 | 5 | 86 | |
| 4 | Paving | Paving | 6/1/2021 | 6/15/2021 | 5 | 11 | |
| 5 | Architectural Coating | Architectural Coating | 6/16/2021 | 6/30/2021 | 5 | 11 | |

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.35**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,462; Non-Residential Outdoor: 12,821; Striped Parking Area: 922 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coating | 1 | 3.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 17.00 | 7.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

## 3.2 Site Preparation - 2021

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.5303 | 0.0000 | 0.5303 | 0.0573 | 0.0000 | 0.0573 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6403 | 7.8204 | 4.0274 | 9.7300e-003 | | 0.2995 | 0.2995 | | 0.2755 | 0.2755 | | 942.5842 | 942.5842 | 0.3049 | | 950.2055 |
| **Total** | **0.6403** | **7.8204** | **4.0274** | **9.7300e-003** | **0.5303** | **0.2995** | **0.8297** | **0.0573** | **0.2755** | **0.3328** | | **942.5842** | **942.5842** | **0.3049** | | **950.2055** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0211 | 0.0137 | 0.1884 | 5.6000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | | 55.3702 | 55.3702 | 1.4900e-003 | | 55.4074 |
| **Total** | **0.0211** | **0.0137** | **0.1884** | **5.6000e-004** | **0.0559** | **4.1000e-004** | **0.0563** | **0.0148** | **3.8000e-004** | **0.0152** | | **55.3702** | **55.3702** | **1.4900e-003** | | **55.4074** |

### 3.2 Site Preparation - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.2386 | 0.0000 | 0.2386 | 0.0258 | 0.0000 | 0.0258 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6403 | 7.8204 | 4.0274 | 9.7300e-003 | | 0.2995 | 0.2995 | | 0.2755 | 0.2755 | 0.0000 | 942.5842 | 942.5842 | 0.3049 | | 950.2055 |
| **Total** | **0.6403** | **7.8204** | **4.0274** | **9.7300e-003** | **0.2386** | **0.2995** | **0.5381** | **0.0258** | **0.2755** | **0.3013** | **0.0000** | **942.5842** | **942.5842** | **0.3049** | | **950.2055** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0211 | 0.0137 | 0.1884 | 5.6000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | | 55.3702 | 55.3702 | 1.4900e-003 | | 55.4074 |
| **Total** | **0.0211** | **0.0137** | **0.1884** | **5.6000e-004** | **0.0559** | **4.1000e-004** | **0.0563** | **0.0148** | **3.8000e-004** | **0.0152** | | **55.3702** | **55.3702** | **1.4900e-003** | | **55.4074** |

### 3.3 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.7528 | 0.0000 | 0.7528 | 0.4138 | 0.0000 | 0.4138 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | | 0.4073 | 0.4073 | | 0.3886 | 0.3886 | | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| **Total** | **0.7965** | **7.2530** | **7.5691** | **0.0120** | **0.7528** | **0.4073** | **1.1601** | **0.4138** | **0.3886** | **0.8024** | | **1,147.4338** | **1,147.4338** | **0.2138** | | **1,152.7797** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |
| **Total** | **0.0422** | **0.0274** | **0.3767** | **1.1100e-003** | **0.1118** | **8.2000e-004** | **0.1126** | **0.0296** | **7.6000e-004** | **0.0304** | | **110.7403** | **110.7403** | **2.9800e-003** | | **110.8148** |

### 3.3 Grading - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.3387 | 0.0000 | 0.3387 | 0.1862 | 0.0000 | 0.1862 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | | 0.4073 | 0.4073 | | 0.3886 | 0.3886 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| **Total** | **0.7965** | **7.2530** | **7.5691** | **0.0120** | **0.3387** | **0.4073** | **0.7461** | **0.1862** | **0.3886** | **0.5748** | **0.0000** | **1,147.4338** | **1,147.4338** | **0.2138** | | **1,152.7797** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |
| **Total** | **0.0422** | **0.0274** | **0.3767** | **1.1100e-003** | **0.1118** | **8.2000e-004** | **0.1126** | **0.0296** | **7.6000e-004** | **0.0304** | | **110.7403** | **110.7403** | **2.9800e-003** | | **110.8148** |

### 3.4 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7750 | 7.9850 | 7.2637 | 0.0114 | | 0.4475 | 0.4475 | | 0.4117 | 0.4117 | | 1,103.2158 | 1,103.2158 | 0.3568 | | 1,112.1358 |
| **Total** | **0.7750** | **7.9850** | **7.2637** | **0.0114** | | **0.4475** | **0.4475** | | **0.4117** | **0.4117** | | **1,103.2158** | **1,103.2158** | **0.3568** | | **1,112.1358** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0195 | 0.6676 | 0.1584 | 1.7900e-003 | 0.0448 | 1.3400e-003 | 0.0462 | 0.0129 | 1.2900e-003 | 0.0142 | | 190.7069 | 190.7069 | 0.0115 | | 190.9953 |
| Worker | 0.0718 | 0.0465 | 0.6404 | 1.8900e-003 | 0.1900 | 1.4000e-003 | 0.1914 | 0.0504 | 1.2900e-003 | 0.0517 | | 188.2586 | 188.2586 | 5.0600e-003 | | 188.3851 |
| **Total** | **0.0912** | **0.7142** | **0.7989** | **3.6800e-003** | **0.2348** | **2.7400e-003** | **0.2376** | **0.0633** | **2.5800e-003** | **0.0659** | | **378.9655** | **378.9655** | **0.0166** | | **379.3805** |

### 3.4 Building Construction - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7750 | 7.9850 | 7.2637 | 0.0114 | | 0.4475 | 0.4475 | | 0.4117 | 0.4117 | 0.0000 | 1,103.2158 | 1,103.2158 | 0.3568 | | 1,112.1358 |
| **Total** | **0.7750** | **7.9850** | **7.2637** | **0.0114** | | **0.4475** | **0.4475** | | **0.4117** | **0.4117** | **0.0000** | **1,103.2158** | **1,103.2158** | **0.3568** | | **1,112.1358** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0195 | 0.6676 | 0.1584 | 1.7900e-003 | 0.0448 | 1.3400e-003 | 0.0462 | 0.0129 | 1.2900e-003 | 0.0142 | | 190.7069 | 190.7069 | 0.0115 | | 190.9953 |
| Worker | 0.0718 | 0.0465 | 0.6404 | 1.8900e-003 | 0.1900 | 1.4000e-003 | 0.1914 | 0.0504 | 1.2900e-003 | 0.0517 | | 188.2586 | 188.2586 | 5.0600e-003 | | 188.3851 |
| **Total** | **0.0912** | **0.7142** | **0.7989** | **3.6800e-003** | **0.2348** | **2.7400e-003** | **0.2376** | **0.0633** | **2.5800e-003** | **0.0659** | | **378.9655** | **378.9655** | **0.0166** | | **379.3805** |

## 3.5 Paving - 2021

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7214 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | | 0.3286 | 0.3286 | | 1,035.3425 | 1,035.3425 | 0.3016 | | 1,042.8818 |
| Paving | 0.0834 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **0.8048** | **6.7178** | **7.0899** | **0.0113** | | **0.3534** | **0.3534** | | **0.3286** | **0.3286** | | **1,035.3425** | **1,035.3425** | **0.3016** | | **1,042.8818** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | | 199.3326 | 199.3326 | 5.3600e-003 | | 199.4666 |
| **Total** | **0.0760** | **0.0493** | **0.6781** | **2.0000e-003** | **0.2012** | **1.4800e-003** | **0.2027** | **0.0534** | **1.3600e-003** | **0.0547** | | **199.3326** | **199.3326** | **5.3600e-003** | | **199.4666** |

### 3.5 Paving - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7214 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | | 0.3286 | 0.3286 | 0.0000 | 1,035.3425 | 1,035.3425 | 0.3016 | | 1,042.8818 |
| Paving | 0.0834 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **0.8048** | **6.7178** | **7.0899** | **0.0113** | | **0.3534** | **0.3534** | | **0.3286** | **0.3286** | **0.0000** | **1,035.3425** | **1,035.3425** | **0.3016** | | **1,042.8818** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | | 199.3326 | 199.3326 | 5.3600e-003 | | 199.4666 |
| **Total** | **0.0760** | **0.0493** | **0.6781** | **2.0000e-003** | **0.2012** | **1.4800e-003** | **0.2027** | **0.0534** | **1.3600e-003** | **0.0547** | | **199.3326** | **199.3326** | **5.3600e-003** | | **199.4666** |

### 3.6 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 21.9973 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| **Total** | **22.2162** | **1.5268** | **1.8176** | **2.9700e-003** | | **0.0941** | **0.0941** | | **0.0941** | **0.0941** | | **281.4481** | **281.4481** | **0.0193** | | **281.9309** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0127 | 8.2100e-003 | 0.1130 | 3.3000e-004 | 0.0335 | 2.5000e-004 | 0.0338 | 8.8900e-003 | 2.3000e-004 | 9.1200e-003 | | 33.2221 | 33.2221 | 8.9000e-004 | | 33.2444 |
| **Total** | **0.0127** | **8.2100e-003** | **0.1130** | **3.3000e-004** | **0.0335** | **2.5000e-004** | **0.0338** | **8.8900e-003** | **2.3000e-004** | **9.1200e-003** | | **33.2221** | **33.2221** | **8.9000e-004** | | **33.2444** |

## 3.6 Architectural Coating - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 21.9973 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| **Total** | **22.2162** | **1.5268** | **1.8176** | **2.9700e-003** | | **0.0941** | **0.0941** | | **0.0941** | **0.0941** | **0.0000** | **281.4481** | **281.4481** | **0.0193** | | **281.9309** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0127 | 8.2100e-003 | 0.1130 | 3.3000e-004 | 0.0335 | 2.5000e-004 | 0.0338 | 8.8900e-003 | 2.3000e-004 | 9.1200e-003 | | 33.2221 | 33.2221 | 8.9000e-004 | | 33.2444 |
| **Total** | **0.0127** | **8.2100e-003** | **0.1130** | **3.3000e-004** | **0.0335** | **2.5000e-004** | **0.0338** | **8.8900e-003** | **2.3000e-004** | **9.1200e-003** | | **33.2221** | **33.2221** | **8.9000e-004** | | **33.2444** |

## 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.3501 | 1.8526 | 5.2120 | 0.0202 | 1.6828 | 0.0153 | 1.6981 | 0.4503 | 0.0142 | 0.4645 | | 2,057.5193 | 2,057.5193 | 0.0919 | | 2,059.8175 |
| Unmitigated | 0.3501 | 1.8526 | 5.2120 | 0.0202 | 1.6828 | 0.0153 | 1.6981 | 0.4503 | 0.0142 | 0.4645 | | 2,057.5193 | 2,057.5193 | 0.0919 | | 2,059.8175 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 178.72 | 33.85 | 17.44 | 597,736 | 597,736 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 178.72 | 33.85 | 17.44 | 597,736 | 597,736 |

## 4.3 Trip Type Information

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

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Parking Lot | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0246 | 0.2238 | 0.1880 | 1.3400e-003 | | 0.0170 | 0.0170 | | 0.0170 | 0.0170 | | 268.5177 | 268.5177 | 5.1500e-003 | 4.9200e-003 | 270.1133 |
| NaturalGas Unmitigated | 0.0246 | 0.2238 | 0.1880 | 1.3400e-003 | | 0.0170 | 0.0170 | | 0.0170 | 0.0170 | | 268.5177 | 268.5177 | 5.1500e-003 | 4.9200e-003 | 270.1133 |

### 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 2282.4 | 0.0246 | 0.2238 | 0.1880 | 1.3400e-003 | | 0.0170 | 0.0170 | | 0.0170 | 0.0170 | | 268.5177 | 268.5177 | 5.1500e-003 | 4.9200e-003 | 270.1133 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0246** | **0.2238** | **0.1880** | **1.3400e-003** | | **0.0170** | **0.0170** | | **0.0170** | **0.0170** | | **268.5177** | **268.5177** | **5.1500e-003** | **4.9200e-003** | **270.1133** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 2.2824 | 0.0246 | 0.2238 | 0.1880 | 1.3400e-003 | | 0.0170 | 0.0170 | | 0.0170 | 0.0170 | | 268.5177 | 268.5177 | 5.1500e-003 | 4.9200e-003 | 270.1133 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0246** | **0.2238** | **0.1880** | **1.3400e-003** | | **0.0170** | **0.0170** | | **0.0170** | **0.0170** | | **268.5177** | **268.5177** | **5.1500e-003** | **4.9200e-003** | **270.1133** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.5798 | 4.0000e-005 | 4.1900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.9700e-003 | 8.9700e-003 | 2.0000e-005 | | 9.5600e-003 |
| Unmitigated | 0.5798 | 4.0000e-005 | 4.1900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.9700e-003 | 8.9700e-003 | 2.0000e-005 | | 9.5600e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0663 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.5131 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.1900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.9700e-003 | 8.9700e-003 | 2.0000e-005 | | 9.5600e-003 |
| **Total** | **0.5798** | **4.0000e-005** | **4.1900e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **8.9700e-003** | **8.9700e-003** | **2.0000e-005** | | **9.5600e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0663 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.5131 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.1900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.9700e-003 | 8.9700e-003 | 2.0000e-005 | | 9.5600e-003 |
| **Total** | **0.5798** | **4.0000e-005** | **4.1900e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **8.9700e-003** | **8.9700e-003** | **2.0000e-005** | | **9.5600e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Elias Malouf - Cal Meadows Development

**South Coast AQMD Air District, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Light Industry | 25.64 | 1000sqft | 0.59 | 25,641.00 | 0 |
| Parking Lot | 15.36 | 1000sqft | 0.35 | 15,359.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 31 |
| **Climate Zone** | 10 | | | **Operational Year** | 2022 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics -

Land Use -

Construction Phase - N/A

Construction Off-road Equipment Mitigation - Construction Mitigation of Water Exposed Area 2x (per day) was selected per SCAQMD Rule 403 minimum requirements.

Area Mitigation -

Water Mitigation -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | NumDays | 5.00 | 11.00 |
| tblConstructionPhase | NumDays | 100.00 | 86.00 |
| tblConstructionPhase | NumDays | 2.00 | 10.00 |
| tblConstructionPhase | NumDays | 5.00 | 11.00 |
| tblConstructionPhase | PhaseEndDate | 6/22/2021 | 6/30/2021 |
| tblConstructionPhase | PhaseEndDate | 6/8/2021 | 5/31/2021 |
| tblConstructionPhase | PhaseEndDate | 1/19/2021 | 1/31/2021 |
| tblConstructionPhase | PhaseEndDate | 1/15/2021 | 1/1/2021 |
| tblConstructionPhase | PhaseStartDate | 1/20/2021 | 2/1/2021 |
| tblConstructionPhase | PhaseStartDate | 6/9/2021 | 6/1/2021 |
| tblConstructionPhase | PhaseStartDate | 1/15/2021 | 1/1/2021 |

## 2.0 Emissions Summary

## 2.1 Overall Construction

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.1689 | 0.4608 | 0.4397 | 8.0000e-004 | 0.0158 | 0.0240 | 0.0398 | 5.2600e-003 | 0.0222 | 0.0275 | 0.0000 | 71.1778 | 71.1778 | 0.0173 | 0.0000 | 71.6109 |
| **Maximum** | **0.1689** | **0.4608** | **0.4397** | **8.0000e-004** | **0.0158** | **0.0240** | **0.0398** | **5.2600e-003** | **0.0222** | **0.0275** | **0.0000** | **71.1778** | **71.1778** | **0.0173** | **0.0000** | **71.6109** |

**Mitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.1689 | 0.4608 | 0.4397 | 8.0000e-004 | 0.0136 | 0.0240 | 0.0376 | 4.1100e-003 | 0.0222 | 0.0263 | 0.0000 | 71.1778 | 71.1778 | 0.0173 | 0.0000 | 71.6109 |
| **Maximum** | **0.1689** | **0.4608** | **0.4397** | **8.0000e-004** | **0.0136** | **0.0240** | **0.0376** | **4.1100e-003** | **0.0222** | **0.0263** | **0.0000** | **71.1778** | **71.1778** | **0.0173** | **0.0000** | **71.6109** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **14.06** | **0.00** | **5.55** | **21.86** | **0.00** | **4.22** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| 1 | 1-1-2021 | 3-31-2021 | 0.2512 | 0.2512 |
| 2 | 4-1-2021 | 6-30-2021 | 0.3767 | 0.3767 |
| | | Highest | 0.3767 | 0.3767 |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1058 | 0.0000 | 5.2000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0200e-003 | 1.0200e-003 | 0.0000 | 0.0000 | 1.0800e-003 |
| Energy | 4.4900e-003 | 0.0408 | 0.0343 | 2.5000e-004 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 129.0921 | 129.0921 | 4.3500e-003 | 1.5400e-003 | 129.6591 |
| Mobile | 0.0450 | 0.2657 | 0.6750 | 2.6700e-003 | 0.2271 | 2.1000e-003 | 0.2292 | 0.0609 | 1.9600e-003 | 0.0628 | 0.0000 | 246.6026 | 246.6026 | 0.0113 | 0.0000 | 246.8861 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.4531 | 0.0000 | 6.4531 | 0.3814 | 0.0000 | 15.9872 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.8811 | 24.5991 | 26.4802 | 0.1942 | 4.7700e-003 | 32.7578 |
| **Total** | **0.1553** | **0.3065** | **0.7098** | **2.9200e-003** | **0.2271** | **5.2000e-003** | **0.2323** | **0.0609** | **5.0600e-003** | **0.0659** | **8.3342** | **400.2949** | **408.6290** | **0.5913** | **6.3100e-003** | **425.2913** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1058 | 0.0000 | 5.2000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0200e-003 | 1.0200e-003 | 0.0000 | 0.0000 | 1.0800e-003 |
| Energy | 4.4900e-003 | 0.0408 | 0.0343 | 2.5000e-004 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 129.0921 | 129.0921 | 4.3500e-003 | 1.5400e-003 | 129.6591 |
| Mobile | 0.0450 | 0.2657 | 0.6750 | 2.6700e-003 | 0.2271 | 2.1000e-003 | 0.2292 | 0.0609 | 1.9600e-003 | 0.0628 | 0.0000 | 246.6026 | 246.6026 | 0.0113 | 0.0000 | 246.8861 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.4531 | 0.0000 | 6.4531 | 0.3814 | 0.0000 | 15.9872 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.5049 | 19.6793 | 21.1841 | 0.1554 | 3.8200e-003 | 26.2062 |
| **Total** | **0.1553** | **0.3065** | **0.7098** | **2.9200e-003** | **0.2271** | **5.2000e-003** | **0.2323** | **0.0609** | **5.0600e-003** | **0.0659** | **7.9579** | **395.3750** | **403.3330** | **0.5524** | **5.3600e-003** | **418.7397** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **4.51** | **1.23** | **1.30** | **6.57** | **15.06** | **1.54** |

## 3.0 Construction Detail

**Construction Phase**

Elias Malouf - Cal Meadows Development - South Coast AQMD Air District, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 1/1/2021 | 1/1/2021 | 5 | 1 | |
| 2 | Grading | Grading | 1/16/2021 | 1/31/2021 | 5 | 10 | |
| 3 | Building Construction | Building Construction | 2/1/2021 | 5/31/2021 | 5 | 86 | |
| 4 | Paving | Paving | 6/1/2021 | 6/15/2021 | 5 | 11 | |
| 5 | Architectural Coating | Architectural Coating | 6/16/2021 | 6/30/2021 | 5 | 11 | |

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.35**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,462; Non-Residential Outdoor: 12,821; Striped Parking Area: 922 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coating | 1 | 3.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 17.00 | 7.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Site Preparation - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.7000e-004 | 0.0000 | 2.7000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.4000e-004 | 1.4000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |
| **Total** | **3.2000e-004** | **3.9100e-003** | **2.0100e-003** | **0.0000** | **2.7000e-004** | **1.5000e-004** | **4.2000e-004** | **3.0000e-005** | **1.4000e-004** | **1.7000e-004** | **0.0000** | **0.4276** | **0.4276** | **1.4000e-004** | **0.0000** | **0.4310** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0239 | 0.0239 | 0.0000 | 0.0000 | 0.0239 |
| **Total** | **1.0000e-005** | **1.0000e-005** | **9.0000e-005** | **0.0000** | **3.0000e-005** | **0.0000** | **3.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **0.0000** | **0.0239** | **0.0239** | **0.0000** | **0.0000** | **0.0239** |

### 3.2 Site Preparation - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 1.2000e-004 | 0.0000 | 1.2000e-004 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.4000e-004 | 1.4000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |
| **Total** | **3.2000e-004** | **3.9100e-003** | **2.0100e-003** | **0.0000** | **1.2000e-004** | **1.5000e-004** | **2.7000e-004** | **1.0000e-005** | **1.4000e-004** | **1.5000e-004** | **0.0000** | **0.4276** | **0.4276** | **1.4000e-004** | **0.0000** | **0.4310** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0239 | 0.0239 | 0.0000 | 0.0000 | 0.0239 |
| **Total** | **1.0000e-005** | **1.0000e-005** | **9.0000e-005** | **0.0000** | **3.0000e-005** | **0.0000** | **3.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **0.0000** | **0.0239** | **0.0239** | **0.0000** | **0.0000** | **0.0239** |

### 3.3 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 3.7600e-003 | 0.0000 | 3.7600e-003 | 2.0700e-003 | 0.0000 | 2.0700e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.9800e-003 | 0.0363 | 0.0379 | 6.0000e-005 | | 2.0400e-003 | 2.0400e-003 | | 1.9400e-003 | 1.9400e-003 | 0.0000 | 5.2047 | 5.2047 | 9.7000e-004 | 0.0000 | 5.2289 |
| **Total** | **3.9800e-003** | **0.0363** | **0.0379** | **6.0000e-005** | **3.7600e-003** | **2.0400e-003** | **5.8000e-003** | **2.0700e-003** | **1.9400e-003** | **4.0100e-003** | **0.0000** | **5.2047** | **5.2047** | **9.7000e-004** | **0.0000** | **5.2289** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.1000e-004 | 1.5000e-004 | 1.7400e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4778 | 0.4778 | 1.0000e-005 | 0.0000 | 0.4782 |
| **Total** | **2.1000e-004** | **1.5000e-004** | **1.7400e-003** | **1.0000e-005** | **5.5000e-004** | **0.0000** | **5.5000e-004** | **1.5000e-004** | **0.0000** | **1.5000e-004** | **0.0000** | **0.4778** | **0.4778** | **1.0000e-005** | **0.0000** | **0.4782** |

## 3.3 Grading - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 1.6900e-003 | 0.0000 | 1.6900e-003 | 9.3000e-004 | 0.0000 | 9.3000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.9800e-003 | 0.0363 | 0.0379 | 6.0000e-005 | | 2.0400e-003 | 2.0400e-003 | | 1.9400e-003 | 1.9400e-003 | 0.0000 | 5.2047 | 5.2047 | 9.7000e-004 | 0.0000 | 5.2289 |
| **Total** | **3.9800e-003** | **0.0363** | **0.0379** | **6.0000e-005** | **1.6900e-003** | **2.0400e-003** | **3.7300e-003** | **9.3000e-004** | **1.9400e-003** | **2.8700e-003** | **0.0000** | **5.2047** | **5.2047** | **9.7000e-004** | **0.0000** | **5.2289** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.1000e-004 | 1.5000e-004 | 1.7400e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4778 | 0.4778 | 1.0000e-005 | 0.0000 | 0.4782 |
| **Total** | **2.1000e-004** | **1.5000e-004** | **1.7400e-003** | **1.0000e-005** | **5.5000e-004** | **0.0000** | **5.5000e-004** | **1.5000e-004** | **0.0000** | **1.5000e-004** | **0.0000** | **0.4778** | **0.4778** | **1.0000e-005** | **0.0000** | **0.4782** |

### 3.4 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0333 | 0.3434 | 0.3123 | 4.9000e-004 | | 0.0192 | 0.0192 | | 0.0177 | 0.0177 | 0.0000 | 43.0353 | 43.0353 | 0.0139 | 0.0000 | 43.3832 |
| **Total** | **0.0333** | **0.3434** | **0.3123** | **4.9000e-004** | | **0.0192** | **0.0192** | | **0.0177** | **0.0177** | **0.0000** | **43.0353** | **43.0353** | **0.0139** | **0.0000** | **43.3832** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 8.6000e-004 | 0.0291 | 7.2200e-003 | 8.0000e-005 | 1.9000e-003 | 6.0000e-005 | 1.9600e-003 | 5.5000e-004 | 6.0000e-005 | 6.0000e-004 | 0.0000 | 7.3488 | 7.3488 | 4.6000e-004 | 0.0000 | 7.3604 |
| Worker | 3.0500e-003 | 2.2500e-003 | 0.0255 | 8.0000e-005 | 8.0200e-003 | 6.0000e-005 | 8.0800e-003 | 2.1300e-003 | 6.0000e-005 | 2.1900e-003 | 0.0000 | 6.9859 | 6.9859 | 1.9000e-004 | 0.0000 | 6.9906 |
| **Total** | **3.9100e-003** | **0.0314** | **0.0327** | **1.6000e-004** | **9.9200e-003** | **1.2000e-004** | **0.0100** | **2.6800e-003** | **1.2000e-004** | **2.7900e-003** | **0.0000** | **14.3347** | **14.3347** | **6.5000e-004** | **0.0000** | **14.3510** |

### 3.4 Building Construction - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0333 | 0.3434 | 0.3123 | 4.9000e-004 | | 0.0192 | 0.0192 | | 0.0177 | 0.0177 | 0.0000 | 43.0352 | 43.0352 | 0.0139 | 0.0000 | 43.3832 |
| **Total** | **0.0333** | **0.3434** | **0.3123** | **4.9000e-004** | | **0.0192** | **0.0192** | | **0.0177** | **0.0177** | **0.0000** | **43.0352** | **43.0352** | **0.0139** | **0.0000** | **43.3832** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 8.6000e-004 | 0.0291 | 7.2200e-003 | 8.0000e-005 | 1.9000e-003 | 6.0000e-005 | 1.9600e-003 | 5.5000e-004 | 6.0000e-005 | 6.0000e-004 | 0.0000 | 7.3488 | 7.3488 | 4.6000e-004 | 0.0000 | 7.3604 |
| Worker | 3.0500e-003 | 2.2500e-003 | 0.0255 | 8.0000e-005 | 8.0200e-003 | 6.0000e-005 | 8.0800e-003 | 2.1300e-003 | 6.0000e-005 | 2.1900e-003 | 0.0000 | 6.9859 | 6.9859 | 1.9000e-004 | 0.0000 | 6.9906 |
| **Total** | **3.9100e-003** | **0.0314** | **0.0327** | **1.6000e-004** | **9.9200e-003** | **1.2000e-004** | **0.0100** | **2.6800e-003** | **1.2000e-004** | **2.7900e-003** | **0.0000** | **14.3347** | **14.3347** | **6.5000e-004** | **0.0000** | **14.3510** |

### 3.5 Paving - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 3.9700e-003 | 0.0370 | 0.0390 | 6.0000e-005 | | 1.9400e-003 | 1.9400e-003 | | 1.8100e-003 | 1.8100e-003 | 0.0000 | 5.1659 | 5.1659 | 1.5000e-003 | 0.0000 | 5.2035 |
| Paving | 4.6000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **4.4300e-003** | **0.0370** | **0.0390** | **6.0000e-005** | | **1.9400e-003** | **1.9400e-003** | | **1.8100e-003** | **1.8100e-003** | **0.0000** | **5.1659** | **5.1659** | **1.5000e-003** | **0.0000** | **5.2035** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.1000e-004 | 3.0000e-004 | 3.4500e-003 | 1.0000e-005 | 1.0900e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 3.0000e-004 | 0.0000 | 0.9461 | 0.9461 | 3.0000e-005 | 0.0000 | 0.9467 |
| **Total** | **4.1000e-004** | **3.0000e-004** | **3.4500e-003** | **1.0000e-005** | **1.0900e-003** | **1.0000e-005** | **1.0900e-003** | **2.9000e-004** | **1.0000e-005** | **3.0000e-004** | **0.0000** | **0.9461** | **0.9461** | **3.0000e-005** | **0.0000** | **0.9467** |

### 3.5 Paving - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 3.9700e-003 | 0.0370 | 0.0390 | 6.0000e-005 | | 1.9400e-003 | 1.9400e-003 | | 1.8100e-003 | 1.8100e-003 | 0.0000 | 5.1659 | 5.1659 | 1.5000e-003 | 0.0000 | 5.2035 |
| Paving | 4.6000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **4.4300e-003** | **0.0370** | **0.0390** | **6.0000e-005** | | **1.9400e-003** | **1.9400e-003** | | **1.8100e-003** | **1.8100e-003** | **0.0000** | **5.1659** | **5.1659** | **1.5000e-003** | **0.0000** | **5.2035** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.1000e-004 | 3.0000e-004 | 3.4500e-003 | 1.0000e-005 | 1.0900e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 3.0000e-004 | 0.0000 | 0.9461 | 0.9461 | 3.0000e-005 | 0.0000 | 0.9467 |
| **Total** | **4.1000e-004** | **3.0000e-004** | **3.4500e-003** | **1.0000e-005** | **1.0900e-003** | **1.0000e-005** | **1.0900e-003** | **2.9000e-004** | **1.0000e-005** | **3.0000e-004** | **0.0000** | **0.9461** | **0.9461** | **3.0000e-005** | **0.0000** | **0.9467** |

## 3.6 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.1210 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.2000e-003 | 8.4000e-003 | 0.0100 | 2.0000e-005 | | 5.2000e-004 | 5.2000e-004 | | 5.2000e-004 | 5.2000e-004 | 0.0000 | 1.4043 | 1.4043 | 1.0000e-004 | 0.0000 | 1.4067 |
| **Total** | **0.1222** | **8.4000e-003** | **0.0100** | **2.0000e-005** | | **5.2000e-004** | **5.2000e-004** | | **5.2000e-004** | **5.2000e-004** | **0.0000** | **1.4043** | **1.4043** | **1.0000e-004** | **0.0000** | **1.4067** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.0000e-005 | 5.0000e-005 | 5.7000e-004 | 0.0000 | 1.8000e-004 | 0.0000 | 1.8000e-004 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 0.1577 | 0.1577 | 0.0000 | 0.0000 | 0.1578 |
| **Total** | **7.0000e-005** | **5.0000e-005** | **5.7000e-004** | **0.0000** | **1.8000e-004** | **0.0000** | **1.8000e-004** | **5.0000e-005** | **0.0000** | **5.0000e-005** | **0.0000** | **0.1577** | **0.1577** | **0.0000** | **0.0000** | **0.1578** |

### 3.6 Architectural Coating - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.1210 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.2000e-003 | 8.4000e-003 | 0.0100 | 2.0000e-005 | | 5.2000e-004 | 5.2000e-004 | | 5.2000e-004 | 5.2000e-004 | 0.0000 | 1.4043 | 1.4043 | 1.0000e-004 | 0.0000 | 1.4067 |
| **Total** | **0.1222** | **8.4000e-003** | **0.0100** | **2.0000e-005** | | **5.2000e-004** | **5.2000e-004** | | **5.2000e-004** | **5.2000e-004** | **0.0000** | **1.4043** | **1.4043** | **1.0000e-004** | **0.0000** | **1.4067** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.0000e-005 | 5.0000e-005 | 5.7000e-004 | 0.0000 | 1.8000e-004 | 0.0000 | 1.8000e-004 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 0.1577 | 0.1577 | 0.0000 | 0.0000 | 0.1578 |
| **Total** | **7.0000e-005** | **5.0000e-005** | **5.7000e-004** | **0.0000** | **1.8000e-004** | **0.0000** | **1.8000e-004** | **5.0000e-005** | **0.0000** | **5.0000e-005** | **0.0000** | **0.1577** | **0.1577** | **0.0000** | **0.0000** | **0.1578** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0450 | 0.2657 | 0.6750 | 2.6700e-003 | 0.2271 | 2.1000e-003 | 0.2292 | 0.0609 | 1.9600e-003 | 0.0628 | 0.0000 | 246.6026 | 246.6026 | 0.0113 | 0.0000 | 246.8861 |
| Unmitigated | 0.0450 | 0.2657 | 0.6750 | 2.6700e-003 | 0.2271 | 2.1000e-003 | 0.2292 | 0.0609 | 1.9600e-003 | 0.0628 | 0.0000 | 246.6026 | 246.6026 | 0.0113 | 0.0000 | 246.8861 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 178.72 | 33.85 | 17.44 | 597,736 | 597,736 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 178.72 | 33.85 | 17.44 | 597,736 | 597,736 |

### 4.3 Trip Type Information

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

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Parking Lot | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 84.6360 | 84.6360 | 3.4900e-003 | 7.2000e-004 | 84.9388 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 84.6360 | 84.6360 | 3.4900e-003 | 7.2000e-004 | 84.9388 |
| NaturalGas Mitigated | 4.4900e-003 | 0.0408 | 0.0343 | 2.5000e-004 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 44.4561 | 44.4561 | 8.5000e-004 | 8.2000e-004 | 44.7203 |
| NaturalGas Unmitigated | 4.4900e-003 | 0.0408 | 0.0343 | 2.5000e-004 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 44.4561 | 44.4561 | 8.5000e-004 | 8.2000e-004 | 44.7203 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Light Industry | 833076 | 4.4900e-003 | 0.0408 | 0.0343 | 2.5000e-004 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 44.4561 | 44.4561 | 8.5000e-004 | 8.2000e-004 | 44.7203 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **4.4900e-003** | **0.0408** | **0.0343** | **2.5000e-004** | | **3.1000e-003** | **3.1000e-003** | | **3.1000e-003** | **3.1000e-003** | **0.0000** | **44.4561** | **44.4561** | **8.5000e-004** | **8.2000e-004** | **44.7203** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Light Industry | 833076 | 4.4900e-003 | 0.0408 | 0.0343 | 2.5000e-004 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 44.4561 | 44.4561 | 8.5000e-004 | 8.2000e-004 | 44.7203 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **4.4900e-003** | **0.0408** | **0.0343** | **2.5000e-004** | | **3.1000e-003** | **3.1000e-003** | | **3.1000e-003** | **3.1000e-003** | **0.0000** | **44.4561** | **44.4561** | **8.5000e-004** | **8.2000e-004** | **44.7203** |

### 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 260256 | 82.9232 | 3.4200e-003 | 7.1000e-004 | 83.2199 |
| Parking Lot | 5375.65 | 1.7128 | 7.0000e-005 | 1.0000e-005 | 1.7189 |
| **Total** | | **84.6360** | **3.4900e-003** | **7.2000e-004** | **84.9388** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 260256 | 82.9232 | 3.4200e-003 | 7.1000e-004 | 83.2199 |
| Parking Lot | 5375.65 | 1.7128 | 7.0000e-005 | 1.0000e-005 | 1.7189 |
| **Total** | | **84.6360** | **3.4900e-003** | **7.2000e-004** | **84.9388** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1058 | 0.0000 | 5.2000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0200e-003 | 1.0200e-003 | 0.0000 | 0.0000 | 1.0800e-003 |
| Unmitigated | 0.1058 | 0.0000 | 5.2000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0200e-003 | 1.0200e-003 | 0.0000 | 0.0000 | 1.0800e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0121 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0937 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.0000e-005 | 0.0000 | 5.2000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0200e-003 | 1.0200e-003 | 0.0000 | 0.0000 | 1.0800e-003 |
| **Total** | **0.1058** | **0.0000** | **5.2000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **1.0200e-003** | **1.0200e-003** | **0.0000** | **0.0000** | **1.0800e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0121 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0937 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.0000e-005 | 0.0000 | 5.2000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0200e-003 | 1.0200e-003 | 0.0000 | 0.0000 | 1.0800e-003 |
| **Total** | **0.1058** | **0.0000** | **5.2000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **1.0200e-003** | **1.0200e-003** | **0.0000** | **0.0000** | **1.0800e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 21.1841 | 0.1554 | 3.8200e-003 | 26.2062 |
| Unmitigated | 26.4802 | 0.1942 | 4.7700e-003 | 32.7578 |

### 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 5.92925 / 0 | 26.4802 | 0.1942 | 4.7700e-003 | 32.7578 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **26.4802** | **0.1942** | **4.7700e-003** | **32.7578** |

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 4.7434 / 0 | 21.1841 | 0.1554 | 3.8200e-003 | 26.2062 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **21.1841** | **0.1554** | **3.8200e-003** | **26.2062** |

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 6.4531 | 0.3814 | 0.0000 | 15.9872 |
| Unmitigated | 6.4531 | 0.3814 | 0.0000 | 15.9872 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 31.79 | 6.4531 | 0.3814 | 0.0000 | 15.9872 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **6.4531** | **0.3814** | **0.0000** | **15.9872** |

### 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 31.79 | 6.4531 | 0.3814 | 0.0000 | 15.9872 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **6.4531** | **0.3814** | **0.0000** | **15.9872** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# APPENDIX B

# GENERAL BIOLOGICAL RESOURCES ASSESSMENT

## DESERT HOT SPRINGS, RIVERSIDE COUNTY, CALIFORNIA

**(Township 3 South, Range 4 East, Section 14)**
**APN: 666-350-033**

***Prepared for:***

**Cal Meadows Development**
**1412 West Park Avenue**
**Anaheim, CA 92801**

***Prepared by:***

**RCA Associates, Inc.**
**15555 Main Street, #D4-235**
**Hesperia, California 92345**
**(760) 596-0017**

**Principal Investigators:**
**Randall Arnold, President and Principal Biologist**
**Ryan Hunter, Environmental Scientist/Biologist**
**Lisa Cardoso, Wildlife Biologist**

**Project: #2020-63BIO**

**January 29, 2021**

## TITLE PAGE

| | |
|---|---|
| **Date Report Updated:** | **January 29, 2021** |
| **Date Field Work Completed:** | **July 15, 2020** |
| **Report Title:** | **General Biological Resources Assessment** |
| **Assessor's Parcel Number:** | **666-350-033** |
| **Principal Investigators:** | **Randall C. Arnold, Jr., Principal Biologist**<br>**Ryan Hunter, Environmental Scientist/Biologist**<br>**Lisa Cardoso, Wildlife Biologist** |
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Appendix A – Tables and Figures

## 1.0 INTRODUCTION AND SUMMARY

Biological surveys were conducted on a 0.98-acre parcel (approximately) located at the southwest corner of 18th Avenue and Little Morongo Road in the city of Desert Hot Springs, Riverside County, California (Township 3 South, Range 3 East, Section 14, USGS Desert Hot Springs, California Quad, 1956) (Figures 1, 2, and 3). The proposed project includes the construction of a two-story 25,641 square-foot cannabis cultivation facility, with 12,991 square feet consisting of building area, and 15,359 square feet utilized for parking and driving access. The site is relatively undisturbed and native flora still dominate the landscape. The property supports a creosote bush (*Larrea tridentata*) community with other species including Asian mustard (*Brassica tournefortii*), desert woollystar (*Eriastrum eremicum*), fiddleneck (*Amsinckia tessellata*), white ratany (*Krameria grayi*), and white bursage (*Ambrosia dumosa*).

The City of Desert Hot Springs is located in Coachella Valley, an area in Riverside County that is situated between the San Bernardino, San Jacinto, and Santa Rosa Mountains. As development began to surge in the Valley, important habitats and species that inhabit these environments began to decline, which prompted the creation of the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP). The CVMSHCP preserves and protects 27 plant and wildlife species, and important habitat areas and linkages across 240,000 acres of open space while also promoting sustainable growth in the area. The CVMSHCP manages 21 conservation areas, with the project site not located in any of these areas, the nearest conservation areas to the site are the Whitewater Floodplain to the south, Upper Mission Creek/ Big Morongo Canyon to the west, and Willow Hole to the east (CVMSHCP, Figure 4-1).

As part of the environmental process, California Department of Fish and Wildlife (CDFW) and U.S. Fish and Wildlife Service (USFWS) data sources were reviewed. Following the data review, surveys were performed on the site on July 15, 2020, during which the biological resources on the site and in the surrounding areas were documented by biologists from RCA Associates, Inc. As part of the surveys, the property and adjacent areas were evaluated for the presence of native habitats which may support populations of sensitive wildlife species. The property was also evaluated for the presence of sensitive habitats including wetlands, vernal pools, riparian habitats, and jurisdictional areas.

**Focused surveys were also conducted for both desert tortoise and burrowing owl. Habitat assessments for each of these species were conducted Based on data from USFWS, CDFW, and a search of the California Natural Diversity Database (CNDDB, 2021), Scientific nomenclature for this report is based on the following references: Hickman (1993), Munz (1974), Stebbins (2003), Sibley (2000) and Whitaker (1980).

## 2.0 EXISTING CONDITIONS

The property is approximately 0.98-acres in size and is located at the southwest corner of 18th Avenue and Little Morongo Road in the city of Desert Hot Springs, Riverside County, California (Township 3 South, Range 3 East, Section 14, USGS Desert Hot Springs, California Quad, 1956) (Figures 1, 2, and 3). The site does not show signs of being disturbed in the past with native flora still dominating the landscape. This observation is based on the density of vegetation on the site. Vacant land borders the site in every direction with the closest developed land approximately 0.25-miles south of the project site. Power lines and a power line road run in a southeast to northwest direction along the property's north eastern boundary.

The site supports a creosote community which covers most of the property (Figure 2 and 3). Species present on the site included creosote bush (*Larrea tridentata*), white ratany (*Krameria grayi*), Schott's dalea (*Psorothamnus schottii*), white bursage (*Ambrosia dumosa*), California primrose (*Eulobus californicus*), desert woollystar (*Eriastrum eremicum*), and fiddleneck (*Amsinckia tessellata*). Table 1 provides a compendium of all plants occurring on the site and/or in the immediate surrounding area. Section 5.0 provides a more detailed discussion of the various plant species observed during the surveys.

The site is expected to support a variety of wildlife species; however, there were no mammals observed on site during the field investigations on July 15, 2020. The only mammal observed was of a jackrabbit (*Lepus californicus*) carcass. Other mammals expected to inhabit the site include desert cottontails (*Sylvilagus audubonii*) and California ground squirrel (*Otospermophilus beecheyi*). Coyotes (*Canis latrans*), which are the most common carnivorous species in the region, utilized the site for hunting activities, but were not observed during the field investigations. No birds were observed on the site or immediate area, but species that are expected to occur there include the greater roadrunner (*Geococcyx californianus*), house sparrow (*Passer domesticus*), and American crow (*Corvus brachyrhynchos*). Section 5.0 provides a more detailed discussion of the various species observed during the surveys.

One reptile, a desert iguana carcass, was found on the site, but other reptile species that are expected in the area include desert spiny lizard (*Sceloporus magister*), side-blotched lizard (*Uta*

*stansburiana*), common chuckwalla (*Sauromalus ater*), and western whiptail lizard (*Cnemidophorus tigris*). Table 2 provides a compendium of wildlife species observed during the survey.

No sensitive habitats (e.g., sensitive species critical habitats, etc.) have been documented in the immediate area according to the CNDDB (2021) and none were observed during the field investigations.

## 3.0 METHODOLOGIES

General biological surveys were conducted on July 15, 2020, during which biologists from RCA Associates, Inc. initially walked meandering transects throughout the property site. During the surveys, data was collected on the plant and animal species present on the site. All plants and animals detected during the surveys were recorded and are provided in Tables 1 & 2 (Appendix A). The property was also evaluated for the presence of habitats which might support sensitive species. Scientific nomenclature for this report is based on the following references: Hickman (1993), Munz (1974), Stebbins (2003), Sibley (2000) and Whitaker (1980). Following completion of the initial reconnaissance survey, protocol surveys were conducted for the desert tortoise and burrowing owl as per agency requirements. Weather conditions consisted of wind speeds of roughly 15 mph, temperatures in the high 80's (°F) (AM) with clear skies. The applicable methodologies are summarized below.

**General Plant and Animal Surveys:** Meandering transects were walked throughout the site and in the surrounding area (i.e., the zone of influence) at a pace that allowed for careful documentation of the plant and animal present on the site. All plants observed were identified in the field and wildlife was identified through visual observations and/or by vocalizations. Tables 1 and 2 (Appendix A) provides a comprehensive compendium of the various plant and animal; species observed during the field investigations.

**Desert Tortoise:** A habitat assessment was conducted on July 15, 2020 for the desert tortoises and a survey was also performed for the presence of any potential tortoise burrows by biologists from RCA Associates, Inc. Ten-meter, parallel belt transects were walked in a north-south direction until the entire property had been checked for any tortoise sign (burrows, tracks, scats, etc.). Surveys in the zone of influence (ZOI) were also conducted in the area north, east, south, and west of the site. Comprehensive field investigations were conducted throughout the site during the biological surveys and no tortoise sign was identified on the site or zone of influence.

During the various biological surveys, all transects were walked at a pace that allowed careful observations along the transect routes and in the immediate vicinity. Field notes were recorded regarding native plant assemblages, wildlife sign, and human effects in order to determine the

presence or absence of suitable tortoise foraging habitat. If tortoises are found to inhabit the site in the future, a Section 10(a) incidental take permit from the USFWS and a Section 2081 permit from CDFW will be required to mitigate impacts to the species.

**Burrowing Owl:** A habitat assessment (Phase 1) was conducted for the burrowing owl in conjunction with the general biological surveys to determine if the site supports suitable habitat for the species on July 15, 2020. Following completion of the habitat assessment, it was determined that the site does support suitable habitat for the burrowing owl. As part of the burrowing owl survey, meandering transects were walked throughout the site during which any suitable burrows were evaluated for owl or owl signs. Burrowing owls typically utilize burrows which have been excavated by other animals (squirrels, coyotes, foxes, dogs, etc.) since owls rarely dig their own burrows. CDFW protocol also requires surveys be conducted in the surrounding area out to a distance of about 500 feet; therefore, the zone of influence (ZOI) surveys were performed in the area surrounding the site.

No suitable, (i.e., occupiable) burrows were observed on the site or in the surrounding area (ZOI) nor were any owls observed during the field investigations. If owls are present on the site in the suture, CDFW typically require the owls to be passively relocated during the non-breeding season.

## 4.0 LITERATURE SEARCH

As part of the environmental process, a search of the California Natural Diversity Database (CNDDB) search was performed. Based on this review, it was determined that twenty-seven special status species (ten plants, one invertebrate, and sixteen animals) have been documented within the Desert Hot Spring quad of the property. The following tables provide data on each special status species which has been documented in the area.

**Table 4-1: Federal and State Listed Species and State Species of Special Concern.**
E = Endangered; T = Threatened; SSC = Species of special concern; CNPS = California Native Plant Society; CNDDB = California Natural Diversity Data Base

| NAME | STATUS | HABITAT REQUIREMENTS | PRESENCE/ ABSENCE ON PROPERTY |
|---|---|---|---|
| **PLANTS** | | | |
| **Within Desert Hot Springs Quadrangle** | | | |
| Coachella Valley milk-vetch (*Astragalus lentiginosus var. coachellae*) | Federal: Endangered<br>State: None<br>CNPS: 1B.2 | Occurs in non wetlands, Creosote bush scrub communities | No suitable habitat, none observed on site |
| Triple-ribbed milk-vetch (*Astragalus tricarinatus*) | Federal: Endangered<br>State None<br>CNPS: 1B.2 | Creosote bush scrub, Joshua Tree Woodland | No suitable habitat, none observed on site |
| White-bracted spineflower (*Chorizanthe xanti var. leucotheca*) | Federal: None<br>State: None<br>CNPS: 1B.2 | Creosote bush scrub, Pinyon-Juniper woodland | Suitable habitat, none observed on site |
| Slender-horned spineflower (*Dodecahema leptoceras*) | Federal: Endangered<br>State: Endangered<br>CNPS: 1B.1 | Alluvial-fans, Chaparral, Coastal Sage scrub | No suitable habitat and none observed on site |
| Harwood's eriastrum (*Eriastrum harwoodii*) | Federal: None<br>State: None<br>CNPS: 1B.2 | Desert dunes in creosote bush scrub | No suitable habitat, none observed on site |
| Cliff spurge (*Euphorbia misera*) | Federal: None<br>State: None<br>CNPS: 2B.2 | Coastal, Coastal sage scrub | No suitable habitat observed on site |
| Little San Bernardino Mountains linanthus (*Linanthus maculatus ssp. maculatus*) | Federal: None<br>State: None<br>CNPS: 1B.2 | Dunes, creosote bush scrub, Joshua tree woodland, Mojavean desert scrub | Minimal suitable habitat, none observed on site |
| Spiny-hair blazing star (*Mentzelia tricuspis*) | Federal: None<br>State: None<br>CNPS: 2B.1 | Creosote bush scrub, sandy, gravelly, slopes and washes, Mojavean desert scrub | Minimal suitable habitat, none observed on site |
| Slender cottonheads (*Nemacaulis denudata var. gracilis*) | Federal: None<br>State: None<br>CNPS: 2B.2 | Coastal dunes, desert dunes, Sonoran Desert scrub | No suitable habitat, none observed on site |

| | | | |
|---|---|---|---|
| Desert spike-moss (*Selaginella eremophila*) | Federal: None<br>State: None<br>CNPS: 2B.2 | Chaparral, Sonoran desert scrub | Suitable habitat, none observed on site |

**Notes:**

Status abbreviations:

CNPS List 1A: Plants presumed extirpated in California and either rare or extinct elsewhere
CNPS List 1B: Plants rare, threatened, or endangered in California and elsewhere
CNPS List 2A: Plants presumed extirpated in California, but more common somewhere else
CNPS List 2B: Plants rare, threatened, or endangered in California, but more common somewhere else
CNPS List 3: Plants about which more information is needed - a review list
CNPS List 4: Plants of limited distribution - a watch list

.1 Seriously threatened in California (over 80% of occurrences threatened/ high degree and immediacy of threat)
.2 Moderately threatened in California (20-80% occurrences threatened/ moderate degree and immediacy of threat)
.3 No very threatened in California (<20% of occurrences threatened/ low degree and immediacy of threat or no current threats known)

**Table 4-2: Special status wildlife and insects documented in the region (Source: CNDDB, 2021) or likely to occur in the region**

| NAME | STATUS | HABITAT REQUIREMENTS | PRESENCE/ABSENCE ON PROPERTY |
|---|---|---|---|
| **ANIMAL** | | | |
| **Within Desert Hot Springs Quadrangle** | | | |
| Desert tortoise (*Gopherus agassizii)* | Federal: Threatened<br>State: Threatened | Desert shrub | Nearest documented observation northwest of the site. No tortoises observed on-site. |
| Burrowing owl (*Athene cunicularia*) | Federal: None<br>State: None<br>CDFW: SSC | Open grassland areas where the owls utilize abandoned mammal burrows. | Marginal habitat present on the site. Not expected to occur on the site, and none observed during survey. However, this mobile species occurs throughout Southern California and could potentially occur in the area in the future. |
| Pallid San Diego pocket mouse (*Chaetodipus fallax pallidus*) | Federal: None<br>State: None<br>CDFW: SSC | Variety of temperate and arid habitats, through coastal sage and deserts of Baja California | Suitable habitat, none observed on site |
| Le Conte's thrasher (*Toxostoma lecontei*) | Federal: None<br>State: None<br>CDFW: SSC | Desert flats with sparse growth of saltbush, also on creosote bush flats in some areas | Suitable habitat, none observed on site |
| Golden Eagle (*Aquila chrysaetos*) | Federal: None<br>State: None<br>CDFW: Watch List | Favor open country, especially around mountains, hills, and cliffs. Habitats range from arctic to desert | Habitat unsuitable, unlikely to occur on or near the property |
| Townsend's big-eared bat (*Corynorhinus townsendii)* | Federal: None<br>State: None<br>CDFW: SSC | Montane forest, arid habitats with limited scrub vegetation | Habitat unsuitable, unlikely to occur on or near the area |
| Red-diamond rattlesnake (*Crotalus ruber*) | Federal: None<br>State: None<br>CDFW: SSC | Inhabits arid scrub, coastal chaparral, rocky grasslands, cultivated areas | Suitable habitat, none observed on site |
| San Diego desert woodrat (*Neotoma lepida intermedia*) | Federal: None<br>State: None<br>CDFW: SSC | Sagebrush scrub, chaparral, succulent vegetation, juniper sagebrush, creosote bush scrub, and Joshua tree woodlands | Suitable habitat, none observed on site |
| Desert bighorn sheep (*Ovis canadensis nelsoni*) | Federal: None<br>State: None<br>CDFW: Fully Protected | Rugged open habitat, rocky slopes and cliffs, canyons, washes, and alluvial fans | Habitat not suitable, none observed on site |
| Peninsular bighorn sheep DPS (*Ovis canadensis nelsoni pop. 2*) | Federal: Endangered<br>State: Threatened<br>CDFW: Fully Protected | Steep slopes and cliffs, rough and rocky topography, and sparse vegetation | Habitat not suitable, none observed on site |

| | | | |
|---|---|---|---|
| Palm Springs pocket mouse (*Perognathus longimembris bangsi*) | Federal: None<br>State: None<br>CDFW: SSC | Creosote scrub, desert scrub, and grasslands, generally occurring on loosely packed or sandy soils with sparse to moderately dense vegetation | Suitable habitat, none observed on site |
| Coast horned lizard (*Phrynosoma blainvillii*) | Federal: None<br>State: None<br>CDFW: SSC | Inhabits open areas of sandy soils and low vegetation in valleys, foothills, and semiarid mountains | Suitable habitat, none observed on site |
| Flat-tailed horned lizard (*Phrynosoma mcallii*) | Federal: None<br>State: None<br>CDFW: SSC | Sandy desert hardpan or gravel flats with scattered sparse vegetation of low species diversity | Suitable habitat, none observed on site |
| Coachella Valley Jerusalem cricket (*Stenopelmatus cahuilaensis*) | Federal: None<br>State: None | Sand dunes | Habitat not suitable, none observed on site |
| Coachella Valley fringe-toed lizard (*Uma inornata*) | Federal: Threatened<br>State: Endangered | Sparsely vegetated arid areas with fine windblown sand | Suitable habitat, none observed on site |
| Palm Springs round-tailed ground squirrel (*Xerospermophilus tereticaudus chlorus*) | Federal: None<br>State: None<br>CDFW: SSC | Favorable habitats appear to be areas where hummocks of sand accumulate at the base of large shrubs that provide burrow sites and adequate cover, and may also appear in coarse sand next to washes. Numerous in the transition between dunes and creosote bush scrub | Suitable habitat, none observed on site |

**T = Threatened**
**SSC = Species of Special Concern**

# 5.0 RESULTS

## 5.1 General Biological Resources

The site supports a creosote community which covers most of the property (Figure 3). Species present on the site included creosote bush (*Larrea tridentata*), white ratany (*Krameria grayi*), Schott's dalea (*Psorothamnus schottii*), white bursage (*Ambrosia dumosa*), California primrose (*Eulobus californicus*), desert woollystar (*Eriastrum eremicum*), kelch-grass (*Shismus barbatus*) and fiddleneck (*Amsinckia tessellata*). Table 1 provides a compendium of all plants occurring on the site and/or in the immediate surrounding area.

No birds were observed on the site, although a greater roadrunner (*Geococcyx californianus*) was observed a mile from the site. Two carcasses were found on the property, one belonging to a jackrabbit (*Lepus californicus*) and the other to a desert iguana (*Dipsosaurus dorsalis*). No live mammals were observed on the site. Tables 1 and 2 (Appendix A) provides a compendium of the various plant and animal species common to the area. No distinct wildlife corridors were identified on the site or in the immediate area, and no sensitive habitats (e.g., wetlands, vernal pools, critical habitats for sensitive species, etc.) were observed on the site during the field investigations.

The following are the listed and special status species that are known to occur in the surrounding region; however, it is not a comprehensive list. This information has been taken from the California Natural Diversity Database (2021).

## 5.2 Federal and State Listed Species

**Desert Tortoise:** The desert tortoise is a federally and state threatened species, and a species also protected under the CVMSHCP. Desert tortoises can be found in the Mojave Desert and occupy desert scrubs that may consist of shrub steppe, perennial grasses, Joshua trees, and open scrub areas consisting of creosote bush. The site does contain suitable habitat for the desert tortoise and is also located within the documented tortoise habitat according to CNDBB. As per the USFWS desert tortoise protocol, ten meter transects were walked during the July 15, 2020 survey to observe the site for any desert tortoises or desert tortoise signs (i.e., scat, active burrow, or carcasses). No

tortoises or signs were observed on the sight, the nearest documented desert tortoise sighting is located 5.6 miles northwest of the site, according to the CNDDB. The species is not expected to move onto the site in the near future based on the absence of any sign, absence of any recent observations in the immediate area. The survey results are valid for one year as per CDFW and USFWS requirements.

**Peninsular Bighorn Sheep DPS:** The peninsular bighorn sheep DPS is a federally endangered and state threatened species that is also protected under the CVMSHCP. The peninsular bighorn sheep DPS can be found in steep slopes and cliffs on rough and rocky topography with sparse vegetation. The Project site contains a flat topography, with moderately dense desert scrub vegetation, which provides no suitable habitat for the peninsular bighorn sheep DPS, therefore no survey protocol was done for the peninsular bighorn sheep DPS and non are expected to occur on the site. According to the CNDDB, the nearest observable documentation of the peninsular bighorn sheep DPS is approximately 5.9 miles southwest of the project area.

**Coachella Valley Fringe-Toes Lizard:** The Coachella Valley fringe-toes lizard (CVFTL) is a federally threatened and state endangered species that is also protected under the CVMSHCP. The Coachella Valley fringe-toed lizard can be found in widely-space vegetated arid areas with fine, loose, windblown sand, aeolian sand hummock habitat. It was determined that the site, which has contained compact dirt, invasive grasses, and moderately spread vegetation, did not supply prime habitat for the CVFTL, therefore no focused survey for CVFTL was conducted. The nearest documented CVFTL, according to CNDDB, is 3.7 miles southwest from the site in the Whitewater Flood Conservation Area. The species is not expected to occur on the site in the foreseeable future, due to lack habitat.

**Coachella Valley Milk-Vetch:** The Coachella Valley milk-vetch (CVMV) is a federally endangered perennial plant species, with a CNPS rare plant 1B.2, that is also protected under the CVMSHCP. Coachella Valley Milk-vetch can be found in desert scrub and dune communities that contain sandy flats, washes, and outwash fans. The project area contains some suitable habitat, yet none were observed on the site during the July 15, 2020 survey, and highly unlikely to be observed in the foreseeable future. The nearest documented CVMV, according to CNDDB, is located 3.5 miles southeast of the project, in the Whitewater Flood Conservation Area.

**Triple-Ribbed Milk-Vetch:** The triple-ribbed milk-vetch (TRMV) is a federally endangered perennial plant species, with a CNPS rare plant 1B.2, that is also protected under the CVMSHCP. Triple-ribbed milk vetch can be found in Joshua tree woodland and Sonoran Desert scrub occupying a micro habitat of hot, rocky slopes in canyons and along edge of boulder-strewn desert washes. The site does not contain suitable habitat for the TRMV, and none were observed during the July 15, 2020 survey, due to lack of suitable micro-habitat, TRMV is not expected to occur on the site. The nearest documented TRMV, according to CNDDB, is approximately 5.9 miles north of the project site.

**Slender-Horned Spineflower:** The slender-horned spineflower is an annual federally and state listed endangered plant species with a CNPS rare plant rank of 1B.1. Slender-horned spineflower can be found in chaparral, cismontane woodland, and coastal scrub where they can be observed in terraces and washes. The site, which contains desert scrub and no washes, does not contain suitable habitat for the slender-horned spineflower, and none were observed during the July 15, 2020 survey, due to lack of suitable micro-habitat, slender-horned spineflower is not expected to occur on the site. The nearest documented slender-horned spineflower, according to CNDDB, is approximately 6.3 miles east of the project site along a major wash.

### 5.3 Special Status Species

For the remaining 21 special status species in the Desert Hot Springs quadrangle, ten wildlife species are considered Species of Special Concern by CDFW. These species are the burrowing owl (*Athene cunicularia*), pallid San Diego pocket mouse (*Chaetodipus fallaxpallidus*), San Diego woodrat (*Neotoma lepida intermedia*), Palm Springs pocket mouse (*Perognathus longimembris bangsi*), coasted horned lizard (*Phrynosoma blainvillii*), flat-tailed horned lizard (*Phrynosoma mcallii*), Le Conte's thrasher (*Toxostoma lecontei*), Townsend's big-eared bat (*Corynorhinus townsendii*), red-diamond rattlesnake (*Crotalus ruber*), and Palm Springs round- tailed ground squirrel (*Xerospermophilus tereticaudus chlorus*). Of these ten species, five species, the burrowing owl, Palm Springs round-tailed ground squirrel, Palm Springs pocket mouse, flat-tailed horned lizard, and Le Conte's thrasher, are also protected under the CVMSHCP. Four species of special concern are located within five miles of the site, the burrowing owl located 3.75 miles north, flat-tailed horned lizard located 4.62 miles southwest, Le Conte's thrasher was located 4.45 miles

north, and San Diego desert wood rat located 3 miles south. No species of special concern were observed during the field investigation. A pre-construction survey may be required by CDFW for the burrowing owl, given its mobility. This survey is recommended to be done with 14 days of ground disturbance, where 30 meter transects are walked on the property to guarantee full coverage for burrowing owl observations.

The remaining three special status wildlife species, desert bighorn sheep (*Ovis canadensis nelsoni*), golden eagle (*Aquila chrysaetos*), and Coachella Valley Jerusalem cricket (*Stenopelmatus cahuilaensis*), which is a protected under the CVMSHCP, were not observed on the project and are unlikely to occur due to lack of suitable habitat. No survey protocols will be needed.

There are seven special status plants in the Desert Hot Springs quadrangle that are not federally or state protected. These plants include slender cottonheads (*Nemacaulis dendata var. gracilis*), desert spike-moss (*Selaginella eremophila*), Harwood's eriastrum (*Eriastrum harwoodii*), cliff spurge (*Euphorbia misera*), Little San Bernardino Mtns. Linanthus (*Linanthus maculatus var. maculatus*), spiny-hair blazing star (*Mentzelia tricuspis*), and white-bracted spineflower (*Chorizanthe xanti var leucotheca*). Of these species only the Little San Bernadino Mtns. Linanthus is covered under the CVMSHCP, but due to lack of suitable habitat on the project site, it is not expected to occur on the site. Five other species are also not expected to occur on the site due to lack of habitat, the Harwood's eriastrum, cliff spurge, spiny-hair blazing star, slender cottonheads, and desert spike moss, these species dwell best in habitats with desert sand dunes and washes. Two of the seven species were found within five miles of the site, the white-bracted spineflower was located 4.07 miles east of the site, and the slender cottonheads which was also located 4.65 miles east of the site. If required, a focused plant survey may need to be required during the bloom season that follows the guidelines of the CDFW protocols for focused plant surveys.

None of the special status plant and wildlife species were observed on the site during the field investigations nor are any of the species expected to occur on the 0.98-acre site during the July 15, 2020 field investigations.

### 5.4 Jurisdictional Waters and Riparian Habitat

No riparian vegetation (e.g., cottonwoods, willows, etc.) exist on the site or in the adjacent habitats.

### 5.5 Protected Plants

No protected plant species (e.g., yuccas, Joshua trees, etc.) were observed on site or in the immediate surrounding areas.

## 6.0 IMPACTS AND MITIGATION MEASURES

### 6.1 General Biological Resources

Future development of the site will impact the general biological resources present on the site, and most of the vegetation will likely be removed during future construction activities. Wildlife will also be impacted by development activities and those species with limited mobility (i.e., small mammals and reptiles) will experience increases in mortality during the construction phase. However, more mobile species (i.e., birds, large mammals) will be displaced into adjacent areas and will likely experience minimal impacts. Therefore, loss of about 0.98-acres of non-disturbed desert vegetation is not expected to have a significant cumulative impact on the overall biological resources in the region given the presence of similar habitat throughout the surrounding desert region. No sensitive habitats (e.g., wetlands, vernal pools, critical habitats for sensitive species, etc.) were observed on the site during the field investigations.

### 6.2 Federal and State Listed and Species of Special Concern

No federal or State-listed species or signs were observed on the site during the field investigations. In addition, there are no documented observations of any listed or special status species on the site or in the immediate surrounding area. The site is not expected to support populations of the desert tortoise based on the absence of any tortoise sign (e.g., burrows, scats, tracks, etc.), and although suitable habitat is present on the site, the probability of the species inhabiting the site is very low, given the lack of suitable burrows.

A pre-construction burrowing owl survey may be required by CDFW to determine if any owls have moved on to the site since the July 15, 2020 surveys. As stated in CDFW's *Staff Report on Burrowing Owl Mitigation*, the most effective method of completing a pre-construction survey (take avoidance survey) should be performed within 14 days of ground disturbance, followed by a final pre-construction survey within 24 hours of breaking ground.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

Future development activities are expected to result in the removal of vegetation from the 0.98-acre parcel; however, cumulative impacts to the general biological resources (plants and animals) in the surrounding area are expected to be negligible. This assumption is based on the presence of habitat on the site which is very common throughout the region. In addition, future development activities are not expected to have any impact on any State or Federal listed or State special status plant or animal species. As discussed above, the site does not support any desert tortoises. In addition, burrowing owls do not inhabit the site and are not expected to be impacted given the absence of any suitable burrows. The following mitigation measures are recommended:

1. Pre-construction surveys for burrowing owls, desert tortoise, and nesting birds protected under the Migratory Bird Treaty Act and Section 3503 of the California Fish and Wildlife Code shall be conducted prior to the commencement of Project-related ground disturbance.
    a. Appropriate survey methods and timeframes shall be established, to ensure that chances of detecting the target species are maximized. In the event that listed species, such as the desert tortoise, are encountered, authorization from the USFWS and CDFW must be obtained. If nesting birds are detected, avoidance measures shall be implemented to ensure that nests are not disturbed until after young have fledged.
    b. Pre-construction surveys shall encompass all areas within the potential footprint of disturbance for the project, as well as a reasonable buffer around these areas.
2. A focused plant survey for all special status plant species mentioned in Table 4-1 may to be performed during the blooming season, to determine the potential environmental effects of proposed projects on special status plants and sensitive natural communities following recommended protocols by the Department of Fish and Wildlife.
3. If any sensitive species are observed on the property during future activities, CDFW and USFWS (as applicable) should be contacted to discuss specific mitigation measures which may be required for the individual species. CDFW and USFWS are the only agencies which can grant authorization for the "take" of any sensitive species and can approve the implementation of any applicable mitigation measures.

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**CERTIFICATION**

I hereby certify that the statements furnished above and in the attached exhibits, presents the data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief. Fieldwork conducted for this assessment was performed by Randall Arnold and other biologists under his direction. I certify that I have not signed a non-disclosure or consultant confidentiality agreement with the project applicant or applicant's representative and that I have no financial interest in the project.

Date: 01/29/2020 Signed: *Randall Arnold*

Field Work Performed By: Randall Arnold
President and Principal Biologist

Field Work Performed By: Ryan Hunter
Environmental Scientist/Biologist

Field Work Performed By: Lisa Cardoso
Wildlife Biologist

# Appendix A

## Tables and Figures

**Table 1 - Plants observed on the site and known to occur in the immediate surrounding area.**

| Common Name | Scientific Name | Location |
|---|---|---|
| Creosote bush | *Larrea tridentata* | On Site |
| Brome grass | *Bromus* sp. | On site |
| White bursage | *Ambrosia dumosa* | On site |
| Asian Mustard | *Descurainia pinnata* | On Site |
| Kelch-grass | *Schismus barbatus* | On site |
| White ratany | *Krameria grayi* | On site |
| Desert woollystar | *Eriastrum eremicum* | On site |
| Fiddleneck | *Amsinckia tessellata* | On Site |
| Silver Cholla | *Cylindropuntia echinocarpa* | On site |
| California primrose | *Eulobus californicus* | On site |
| Schott's dalea | *Psorothamnus schottii* | On site |

Note: The above list is not intended to be a comprehensive list of every plant which may occur on the site or in the zone of influence.

**Table 2 - Wildlife observed on the site during the field investigations.**

| Common Name | Scientific Name | Location |
|---|---|---|
| Greater road runner | *Geococcyx californianus* | In surrounding area |
| California ground squirrel | *Spermophilus beecheyi* | In Surrounding Area |
| Desert iguana | *Dipsosaurus dorsalis* | On site |
| House sparrow | *Passer domesticus* | May occur on site |
| American crow | *Corvus brachyrhynchos* | May occur on site |
| Mourning dove | *Zenaida macroura* | May occur on site |
| Gambel's quail | *Callipepla gambelii* | May occur on site |
| Western whiptail lizard | *Cnemidophorus tigris* | May occur on site |
| Side-blotched lizard | *Uta stansburiana* | May occur on site |
| Desert spiny lizard | *Sceloporus magister* | May occur on site |
| Common chuckwalla | Sauromalus ater | May occur on site |
| Desert cottontail | *Sylvilagus auduboni* | May occur on site |
| Jackrabbit | *Lepus Californicus* | On site |
| Coyotes | *Canis latrans* | May occur on site |

Note: The above Table is not a comprehensive list of every animal species which may occur in the area, but is a list of those common species which were identified on the site or which have been observed in the region by biologists from RCA Associates, Inc.

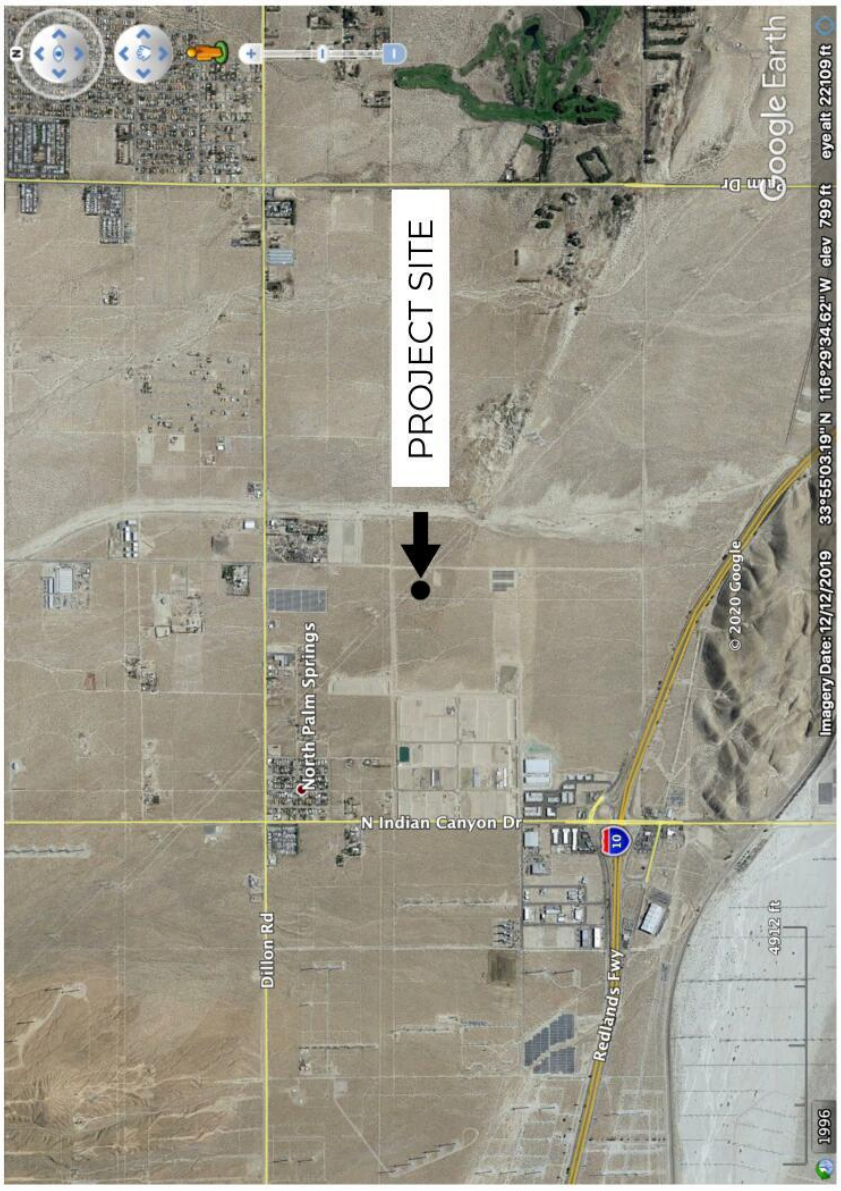



FIGURE 1: REGIONAL EXHIBIT

RCA ASSOCIATES, INC.
SOURCE: GOOGLE EARTH

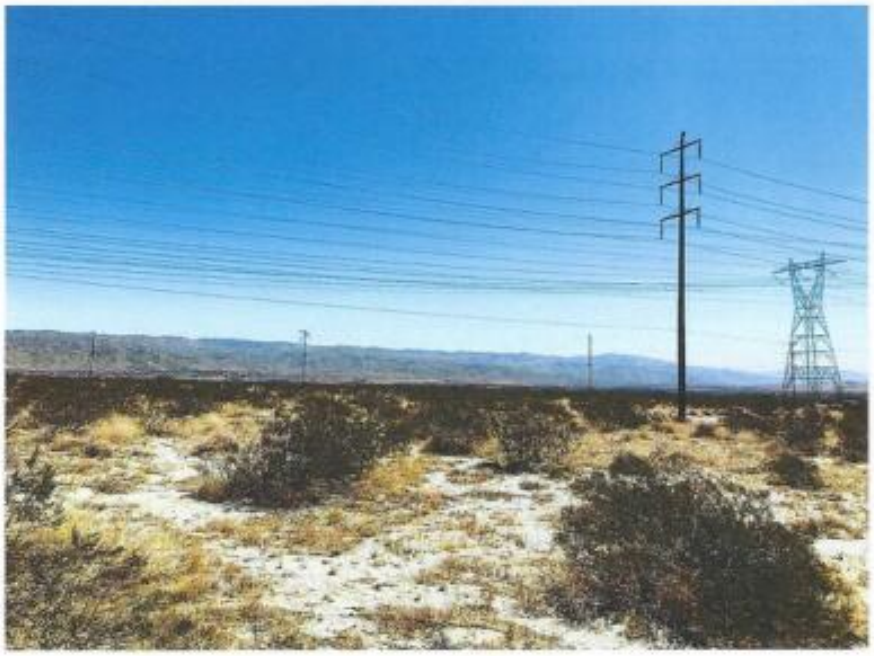



FIGURE 2: VICINITY EXHIBIT

RCA ASSOCIATES, INC.
SOURCE: GOOGLE EARTH

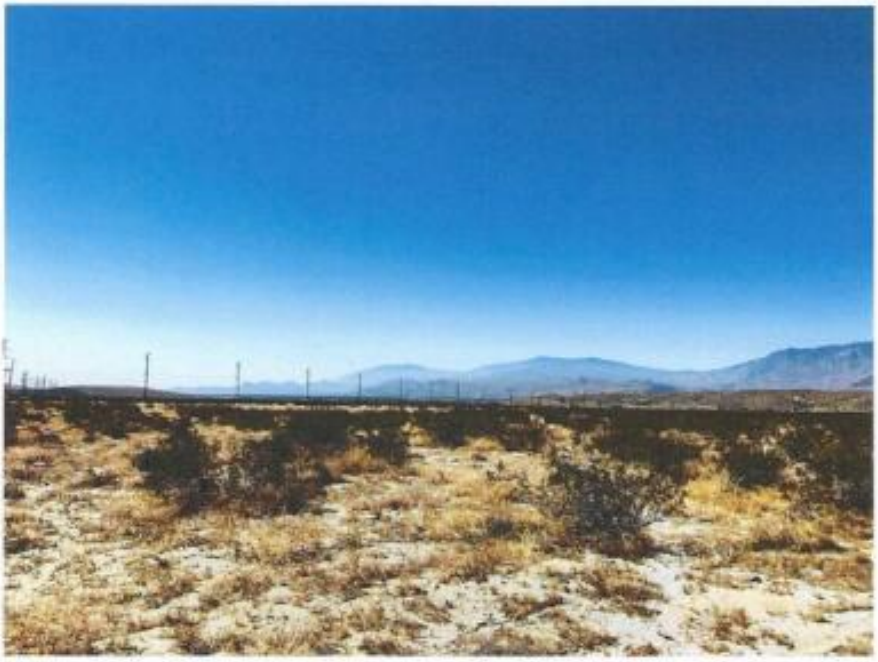


CENTER OF SITE LOOKING NORTH

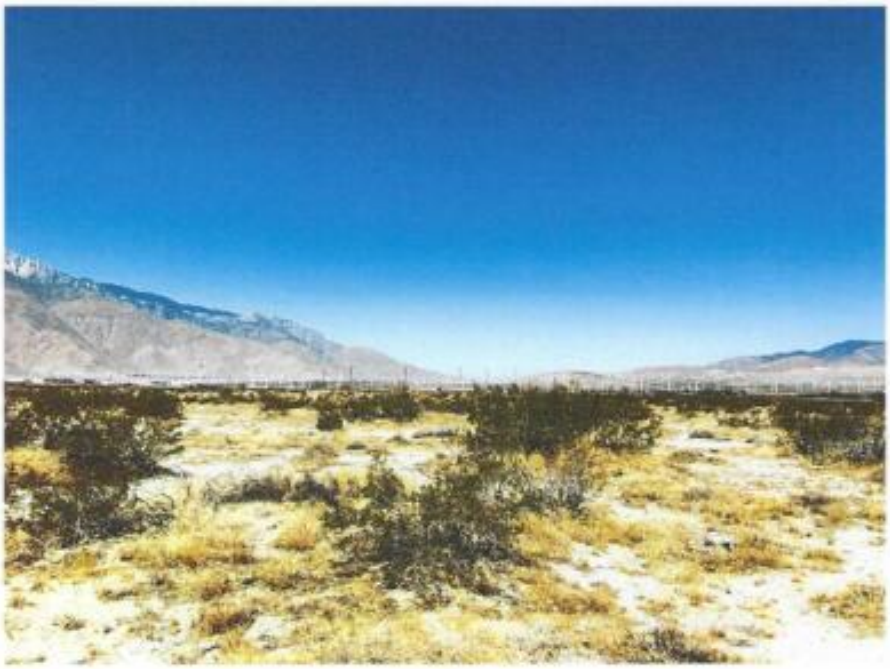


CENTER OF SITE LOOKING EAST

FIGURE 3
PHOTOGRAPHS OF SITE



CENTER OF SITE LOOKING SOUTH



CENTER OF SITE LOOKING WEST

FIGURE 3, cont.
PHOTOGRAPHS OF SITE

# Summary Table Report

## California Department of Fish and Wildlife

## California Natural Diversity Database

**Query Criteria:** Quad IS (Desert Hot Springs (3311685))

| Name (Scientific/Common) | CNDDB Ranks | Listing Status (Fed/State) | Other Lists | Elev. Range (ft.) | Total EO's | Element Occ. Ranks | | | | | | Population Status | | Presence | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | A | B | C | D | X | U | Historic > 20 yr | Recent <= 20 yr | Extant | Poss. Extirp. | Extirp. |
| ***Aquila chrysaetos***<br>golden eagle | G5<br>S3 | None<br>None | BLM_S-Sensitive<br>CDF_S-Sensitive<br>CDFW_FP-Fully Protected<br>CDFW_WL-Watch List<br>IUCN_LC-Least Concern<br>USFWS_BCC-Birds of Conservation Concern | 1,300<br>1,300 | 323<br>S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Astragalus lentiginosus var. coachellae***<br>Coachella Valley milk-vetch | G5T1<br>S1 | Endangered<br>None | Rare Plant Rank - 1B.2<br>SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden<br>SB_USDA-US Dept of Agriculture | 520<br>2,150 | 56<br>S:16 | 0 | 5 | 3 | 1 | 0 | 7 | 2 | 14 | 16 | 0 | 0 |
| ***Astragalus tricarinatus***<br>triple-ribbed milk-vetch | G2<br>S2 | Endangered<br>None | Rare Plant Rank - 1B.2<br>SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | 1,600<br>2,100 | 53<br>S:2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 |
| ***Athene cunicularia***<br>burrowing owl | G4<br>S3 | None<br>None | BLM_S-Sensitive<br>CDFW_SSC-Species of Special Concern<br>IUCN_LC-Least Concern<br>USFWS_BCC-Birds of Conservation Concern | 580<br>1,560 | 2011<br>S:19 | 1 | 4 | 1 | 0 | 1 | 12 | 0 | 19 | 18 | 1 | 0 |
| ***Chaetodipus fallax pallidus***<br>pallid San Diego pocket mouse | G5T34<br>S3S4 | None<br>None | CDFW_SSC-Species of Special Concern | 1,360<br>2,100 | 79<br>S:7 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 0 | 7 | 0 | 0 |
| ***Chorizanthe xanti var. leucotheca***<br>white-bracted spineflower | G4T3<br>S3 | None<br>None | Rare Plant Rank - 1B.2<br>BLM_S-Sensitive<br>SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden<br>SB_USDA-US Dept of Agriculture<br>USFS_S-Sensitive | 1,200<br>1,500 | 59<br>S:3 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 3 | 0 | 0 |

# Summary Table Report

## California Department of Fish and Wildlife

## California Natural Diversity Database

| Name (Scientific/Common) | CNDDB Ranks | Listing Status (Fed/State) | Other Lists | Elev. Range (ft.) | Total EO's | Element Occ. Ranks | | | | | | Population Status | | Presence | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | A | B | C | D | X | U | Historic > 20 yr | Recent <= 20 yr | Extant | Poss. Extirp. | Extirp. |
| ***Corynorhinus townsendii*** Townsend's big-eared bat | G3G4 S2 | None None | BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority | 1,360 1,360 | 635 S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Crotalus ruber*** red-diamond rattlesnake | G4 S3 | None None | CDFW_SSC-Species of Special Concern USFS_S-Sensitive | 920 1,701 | 192 S:4 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 4 | 0 | 0 |
| ***Dodecahema leptoceras*** slender-horned spineflower | G1 S1 | Endangered Endangered | Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | | 41 S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Eriastrum harwoodii*** Harwood's eriastrum | G2 S2 | None None | Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_USDA-US Dept of Agriculture | | 80 S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Euphorbia misera*** cliff spurge | G5 S2 | None None | Rare Plant Rank - 2B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | 1,400 1,400 | 40 S:1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| ***Gopherus agassizii*** desert tortoise | G3 S2S3 | Threatened Threatened | IUCN_VU-Vulnerable | 1,520 2,290 | 970 S:2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 |
| ***Linanthus maculatus ssp. maculatus*** Little San Bernardino Mtns. linanthus | G2T2 S2 | None None | Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | 1,000 1,825 | 53 S:8 | 0 | 2 | 0 | 1 | 1 | 4 | 5 | 3 | 7 | 0 | 1 |
| ***Mentzelia tricuspis*** spiny-hair blazing star | G4 S2 | None None | Rare Plant Rank - 2B.1 | | 16 S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Mesquite Bosque*** Mesquite Bosque | G3 S2.1 | None None | | 1,800 1,800 | 14 S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

# Summary Table Report

## California Department of Fish and Wildlife

## California Natural Diversity Database

| Name (Scientific/Common) | CNDDB Ranks | Listing Status (Fed/State) | Other Lists | Elev. Range (ft.) | Total EO's | Element Occ. Ranks | | | | | | Population Status | | Presence | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | A | B | C | D | X | U | Historic > 20 yr | Recent <= 20 yr | Extant | Poss. Extirp. | Extirp. |
| ***Nemacaulis denudata var. gracilis***<br>slender cottonheads | G3G4T3?<br>S2 | None<br>None | Rare Plant Rank - 2B.2 | 1,000<br>1,000 | 24<br>S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Neotoma lepida intermedia***<br>San Diego desert woodrat | G5T3T4<br>S3S4 | None<br>None | CDFW_SSC-Species of Special Concern | 610<br>2,100 | 132<br>S:9 | 0 | 2 | 0 | 0 | 0 | 7 | 7 | 2 | 9 | 0 | 0 |
| ***Ovis canadensis nelsoni***<br>desert bighorn sheep | G4T4<br>S3 | None<br>None | BLM_S-Sensitive<br>CDFW_FP-Fully Protected<br>USFS_S-Sensitive | | 46<br>S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Ovis canadensis nelsoni pop. 2***<br>Peninsular bighorn sheep DPS | G4T3Q<br>S2 | Endangered<br>Threatened | CDFW_FP-Fully Protected | 2,000<br>2,000 | 7<br>S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Perognathus longimembris bangsi***<br>Palm Springs pocket mouse | G5T2<br>S2 | None<br>None | BLM_S-Sensitive<br>CDFW_SSC-Species of Special Concern | 1,102<br>1,525 | 30<br>S:4 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 | 0 |
| ***Phrynosoma blainvillii***<br>coast horned lizard | G3G4<br>S3S4 | None<br>None | BLM_S-Sensitive<br>CDFW_SSC-Species of Special Concern<br>IUCN_LC-Least Concern | 560<br>560 | 784<br>S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| ***Phrynosoma mcallii***<br>flat-tailed horned lizard | G3<br>S2 | None<br>None | BLM_S-Sensitive<br>CDFW_SSC-Species of Special Concern<br>IUCN_NT-Near Threatened | 590<br>960 | 340<br>S:2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 |
| ***Selaginella eremophila***<br>desert spike-moss | G4<br>S2S3 | None<br>None | Rare Plant Rank - 2B.2 | 1,050<br>1,050 | 75<br>S:1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| ***Stenopelmatus cahuilaensis***<br>Coachella Valley jerusalem cricket | G1G2<br>S1S2 | None<br>None | IUCN_VU-Vulnerable | 980<br>1,500 | 11<br>S:2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| ***Toxostoma lecontei***<br>Le Conte's thrasher | G4<br>S3 | None<br>None | BLM_S-Sensitive<br>CDFW_SSC-Species of Special Concern<br>IUCN_LC-Least Concern<br>NABCI_RWL-Red Watch List<br>USFWS_BCC-Birds of Conservation Concern | 1,240<br>1,360 | 238<br>S:2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 |
| ***Uma inornata***<br>Coachella Valley fringe-toed lizard | G1Q<br>S1 | Threatened<br>Endangered | IUCN_EN-Endangered | 400<br>1,580 | 162<br>S:23 | 1 | 2 | 1 | 1 | 5 | 13 | 21 | 2 | 18 | 4 | 1 |

# Summary Table Report

## California Department of Fish and Wildlife

## California Natural Diversity Database

| Name (Scientific/Common) | CNDDB Ranks | Listing Status (Fed/State) | Other Lists | Elev. Range (ft.) | Total EO's | Element Occ. Ranks | | | | | | Population Status | | Presence | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | A | B | C | D | X | U | Historic > 20 yr | Recent <= 20 yr | Extant | Poss. Extirp. | Extirp. |
| ***Xerospermophilus tereticaudus chlorus*** | G5T2Q | None | BLM_S-Sensitive | 1,100 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| Palm Springs round-tailed ground squirrel | S2 | None | CDFW_SSC-Species of Special Concern | 1,100 | S:1 | | | | | | | | | | | |

## REGULATORY CONTEXT

The following provides a summary of federal and state regulatory jurisdiction over biological and wetland resources. Although most of these regulations do not directly apply to the site, given the general lack of sensitive resources, they provide important background information.

### Federal Endangered Species Act

The USFWS has jurisdiction over federally listed threatened and endangered plant and animal species. The federal Endangered Species Act (ESA) and its implementing regulations prohibit the take of any fish or wildlife species that is federally listed as threatened or endangered without prior approval pursuant to either Section 7 or Section 10 of the ESA. ESA defines "take" as "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct." Federal regulation 50CFR17.3 defines the term "harass" as an intentional or negligent act that creates the likelihood of injuring wildlife by annoying it to such an extent as to significantly disrupt normal behavior patterns such as breeding, feeding, or sheltering (50CFR17.3). Furthermore, federal regulation 50CFR17.3 defines "harm" as an act that either kills or injures a listed species. By definition, "harm" includes habitat modification or degradation that actually kills or injures a listed species by significantly impairing essential behavior patterns such as breeding, spawning, rearing, migrating, feeding, or sheltering (50CFR217.12).

Section10(a) of the ESA establishes a process for obtaining an incidental take permit that authorizes nonfederal entities to incidentally take federally listed wildlife or fish. Incidental take is defined by ESA as take that is "incidental to, and not the purpose of, the carrying out of another wise lawful activity." Preparation of a habitat conservation plan, generally referred to as an HCP, is required for all Section 10(a) permit applications. The USFWS and National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NOAA Fisheries Service) have joint authority under the ESA for administering the incidental take program. NOAA Fisheries Service has jurisdiction over anadromous fish species and USFWS has jurisdiction over all other fish and wildlife species.

Section 7 of the ESA requires all federal agencies to ensure that any action they authorize, fund, or carry out is not likely to jeopardize the continued existence of any species listed under the ESA, or result in the destruction or adverse modification of its habitat. Federal agencies are also required

to minimize impacts to all listed species resulting from their actions, including issuance or permits or funding. Section 7 requires consideration of the indirect effects of a project, effects on federally listed plants, and effects on critical habitat (ESA requires that the USFWS identify critical habitat to the maximum extent that it is prudent and determinable when a species is listed as threatened or endangered). This consultation results in a Biological Opinion prepared by the USFWS stating whether implementation of the HCP will result in jeopardy to any HCP Covered Species or will adversely modify critical habitat and the measures necessary to avoid or minimize effects to listed species.

Although federally listed animals are legally protected from harm no matter where they occur, the Section 9 of the ESA provides protection for endangered plants by prohibiting the malicious destruction on federal land and other "take" that violates State law. Protection for plants not living on federal lands is provided by the California Endangered Species Act.

**California Endangered Species Act**

CDFW has jurisdiction over species listed as threatened or endangered under Section 2080 of the California Fish and Wildlife Code. Section 2080 prohibits the take of a species listed by CDFW as threatened or endangered. The state definition of take is similar to the federal definition, except that Section 2080 does not prohibit indirect harm to listed species by way of habitat modification. To qualify as take under the state ESA, an action must have direct, demonstrable detrimental effect on individuals of the species. Impacts on habitat that may ultimately result in effects on individuals are not considered take under the state ESA but can be considered take under the federal ESA.

Proponents of a project affecting a state-listed species must consult with CDFW and enter into a management agreement and take permit under Section 2081. The state ESA consultation process is similar to the federal process. California ESA does not require preparation of a state biological assessment; the federal biological assessment and the CEQA analysis or any other relevant information can provide the basis for consultation. California ESA requires that CDFW coordinate consultation for joint federally listed and state-listed species to the extent possible; generally, the state opinion for the listed species is brief and references provisions under the federal opinion.

**Clean Water Act, Section 404**

The COE and the U.S. Environmental Protection Agency regulate the placement of dredged or fill material into "Waters of the United States" under Section 404 of the Clean Water Act. Waters of the United States include lakes, rivers, streams, and their tributaries, and wetlands. Wetlands are defined for regulatory purposes as "areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (33 Code of Federal Regulations [CFR] 328.3, 40 CFR 230.3).

The COE may issue either individual permits on a case-by-case basis or general permits on a program level. General permits are pre-authorized and are issued to cover similar activities that are expected to cause only minimal adverse environmental effects. Nationwide permits (NWP's) are general permits issued to cover particular fill activities. All NWP's have general conditions that must be met for the permits to apply to a particular project, as well as specific conditions that apply to each NWP.

**Clean Water Act, Section 401**

Section 401 of the Clean Water Act requires water quality certification and authorization of placement of dredged or fills material in wetlands and Other Waters of the United States. In accordance with Section 401 of the Clean Water Act, criteria for allowable discharges into surface waters have been developed by the State Water Resources Control Board, Division of Water Quality. As such, proponents of any new project which may impair water quality as a result of the project are required to create a post construction storm water management plan to insure offsite water quality is not degraded. The resulting requirements are used as criteria in granting National Pollution Discharge Elimination System (NPDES) permits or waivers, which are obtained through the Central Valley Regional Water Quality Control Board (RWQCB). Any activity or facility that will discharge waste (such as soils from construction) into surface waters, or from which waste may be discharged, must obtain an NPDES permit or waiver from the RWQCB. The RWQCB evaluates an NPDES permit application to determine whether the proposed discharge is consistent with the adopted water quality objectives of the basin plan.

**California Fish and Wildlife Code, Sections 1600-1616**

Under the California Fish and Wildlife Code, Sections1600-1616 CDFW regulates projects that divert, obstruct, or change the natural flow or bed, channel, or bank of any river, stream, or lake. Proponents of such projects must notify CDFW and enter into streambed alteration agreement with them.

Section 1602 of the California Fish and Wildlife Code requires a state or local government agency, public utility, or private entity to notify CDFW before it begins a construction project that will: (1) divert, obstruct, or change the natural flow or the bed, bank, channel, or bank of any river, stream, or lake; (2) use materials from a streambed; or (3) result in the disposal or deposition of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into any river, stream, or lake. Once the notification is filed and determined to be complete, CDFW issues a streambed alteration agreement that contains conditions for construction and operations of the proposed project.

**California Fish and Wildlife Code, Section 3503.5**

Under the California Fish and Wildlife Code, Section 3503.5, it is unlawful to take, possess, or destroy any birds in the orders Falconiformes (hawks, eagles, and flacons) or Strigiformes (owls). Take would include the disturbance of an active nest resulting in the abandonment or loss of young.

**Migratory Bird Treaty Act**

The federal Migratory Bird Treaty Act (MBTA) prohibits the taking, hunting, killing, selling, purchasing, etc. of migratory birds, parts of migratory birds, or their eggs and nests. As used in the MBTA, the term "take" is defined as "to pursue, hunt, shoot, capture, collect, kill, or attempt to pursue, hunt, shoot, capture, collect, or kill, unless the context otherwise requires." Most bird species native to North America are covered by this act.

**Sensitive Natural Communities**

The California Office of Planning and Research and the Office of Permit Assistance (1986) define project effects that substantially diminish habitat for fish, wildlife, or plants, or that disrupt or divide the physical arrangement of an established community as significant impacts under CEQA.

This definition applies to certain natural communities because of their scarcity and ecological values and because the remaining occurrences are vulnerable to elimination. For this study, the term "sensitive natural community" includes those communities that, if eliminated or substantially degraded, would sustain a significant adverse impact as defined under CEQA. Sensitive natural communities are important ecologically because their degradation and destruction could threaten populations of dependent plant and wildlife species and significantly reduce the regional distribution and viability of the community. If the number and extent of sensitive natural communities continue to diminish, the status of rare, threatened, or endangered species could become more precarious, and populations of common species (i.e., not special status species) could become less viable. Loss of sensitive natural communities also can eliminate or reduce important ecosystem functions, such as water filtration by wetlands and bank stabilization by riparian woodlands for example.

**Protected Plants**

The California Desert Native Plant Act was passed in 1981 to protect non-listed California desert native plants from unlawful harvesting on both public and privately-owned lands. Harvest, transport, sale, or possession of specific native desert plants is prohibited unless a person has a valid permit. The following plants are under the protection of the California Desert Native Plants Act:

- Dalea spinosa (smoketree)
- All species of the genus Prosopis (mesquites)
- All species of the family Agavaceae (century plants, nolinas, yuccas)
- All species of Cactus
- Creosote Rings, ten feet in diameter or greater
- All Joshua Trees

The project would be required to comply with the County of San Bernardino Desert Native Plant Protection Ordinance. The removal of any trees listed under Section 88.01.060 would be required to comply with Section 88.01.050, which requires the project applicant to apply for a Tree or Plant Removal Permit prior to removal from the project site.

# APPENDIX C

# DRAFT CULTURAL RESOURCES ASSESSMENT

## Cal Meadows Project

## The City of Desert Hot Springs, Riverside County, California

Prepared for:

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Project No. CMD2001

**National Archaeological Data Base Information:**
*Type of Study:* Reconnaissance Cultural Resources Assessment
*Resources Recorded:* None
*Keywords:* San Bernardino
*USGS Quadrangle:* 7.5-minute *Desert Hot Springs, California* (1972)

BCRCONSULTING LLC

August 25, 2020

## MANAGEMENT SUMMARY

BCR Consulting LLC (BCR Consulting) is under contract to Cal Meadows Development to conduct a Cultural Resources Assessment of the Cal Meadows Project (the project) located in the City of Desert Hot Springs (City), Riverside County, California. Tasks completed for the scope of work include a cultural resources records search (task initiated-final results pending), a reconnaissance-level pedestrian cultural resources survey, a Sacred Lands File search with the Native American Heritage Commission, and a Paleontological Overview. These tasks were performed in partial fulfillment of California Environmental Quality Act (CEQA) requirements. Although records search results are pending, a review of aerial photos and topographic maps indicate that the project has never been developed. The status of previous archaeological discoveries within the project site boundaries is not known. No cultural resources were identified during the pedestrian cultural resources field survey.

Preliminary results indicate that cultural resources (including prehistoric or historic-period archaeological sites or historic buildings) are not likely within the project site. However, records search results could reveal previous archaeological discoveries within the project site that have been obscured by changing surface conditions, or previous archaeological discoveries adjacent to the project site. Recommendations cannot be finalized until records search results have been received. After final recommendations are offered, if previously undocumented cultural resources are identified during earthmoving activities, a qualified archaeologist should be contacted to assess the nature and significance of the find, diverting construction excavation if necessary.

Findings were negative during the Sacred Lands File search with the NAHC. The City will initiate Assembly Bill (AB) 52 Native American Consultation for the project. Since the City will initiate and carry out the required Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff is available to answer questions and address concerns.

According to CEQA Guidelines, projects subject to CEQA must determine whether proposed activities would "directly or indirectly destroy a unique paleontological resource". The appended Paleontological Overview provided in Appendix B has recommended that:

> The geologic units underlying this project are mapped entirely as alluvial sand and gravel deposits dating from the Holocene period (Dibblee, 2004). While Holocene alluvial units are considered to be of high preservation value, material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching earliest Holocene or Late Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1-mile radius.
>
> While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be

paleontologically sensitive, but caution during development should be observed.

If human remains are encountered during the undertaking, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

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## INTRODUCTION

BCR Consulting LLC (BCR Consulting) is under contract to Cal Meadows Development to conduct a Cultural Resources Assessment of Cal Meadows Project (the project) located in the City of Desert Hot Springs (City), Riverside County, California. A reconnaissance-level pedestrian cultural resources survey of the project site was completed in partial fulfillment of California Environmental Quality Act (CEQA) requirements. The project site is located in Section 14 of Township 3 South, Range 4 East, San Bernardino Baseline and Meridian, as depicted on the United States Geological Survey (USGS) *Desert Hot Springs, California* (1972) 7.5-minute topographic quadrangle (Figure 1).

### Regulatory Setting

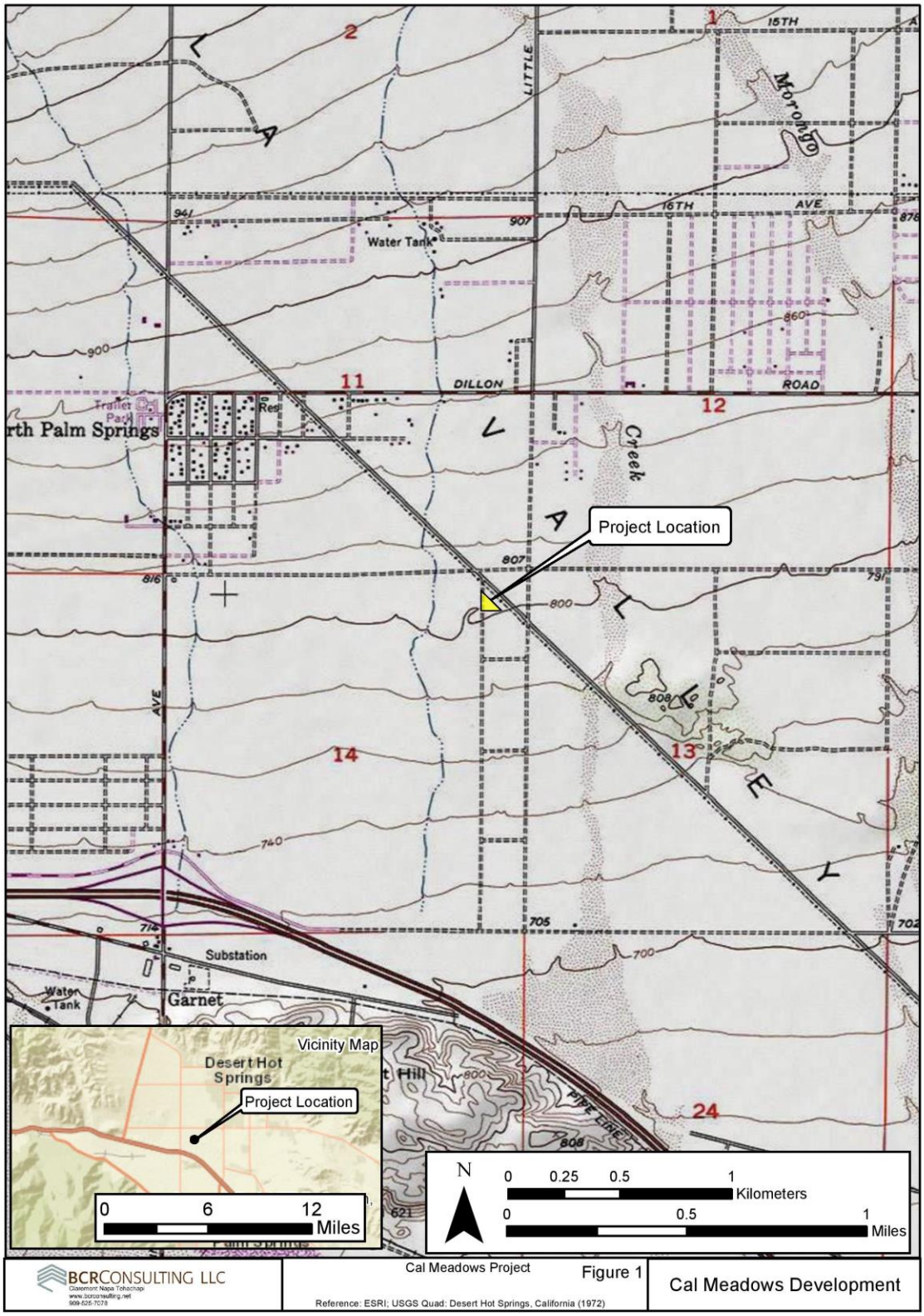
**The California Environmental Quality Act.** CEQA applies to all discretionary projects undertaken or subject to approval by the state's public agencies (California Code of Regulations 14(3), § 15002(i)). Under CEQA, "A project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (Cal. Code Regs. tit. 14(3), § 15064.5(b)). State CEQA Guidelines section 15064.5(a) defines a "historical resource" as a resource that meets one or more of the following criteria:

- Listed in, or eligible for listing in, the California Register of Historical Resources (California Register)
- Listed in a local register of historical resources (as defined at Cal. Public Res. Code § 5020.1(k))
- Identified as significant in a historical resource survey meeting the requirements of § 5024.1(g) of the Cal. Public Res. Code
- Determined to be a historical resource by a project's lead agency (Cal. Code Regs. tit. 14(3), § 15064.5(a))

A historical resource consists of "Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California…Generally, a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing in the California Register of Historical Resources" (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)).

The significance of a historical resource is impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for the California Register. If an impact on a historical or archaeological resource is significant, CEQA requires feasible measures to minimize the impact (State CEQA Guidelines § 15126.4 (a)(1)). Mitigation of significant impacts must lessen or eliminate the physical impact that the project will have on the resource.

Section 5024.1 of the Cal. Public Res. Code established the California Register. Generally, a resource is considered by the lead agency to be "historically significant" if the resource


Project Location
Water Tank
DILLON ROAD
15TH
16TH AVE
Morongo
LITTLE
Creek
Substation
Garnet
Vicinity Map
Desert Hot Springs
Project Location
0 6 12 Miles
N
0 0.25 0.5 1 Kilometers
0 0.5 1 Miles
BCR CONSULTING LLC
Cal Meadows Project
Figure 1
Cal Meadows Development
Reference: ESRI; USGS Quad: Desert Hot Springs, California (1972)

meets the criteria for listing in the California Register (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)). The eligibility criteria for the California Register are similar to those of the National Register of Historic Places (National Register), and a resource that meets one of more of the eligibility criteria of the National Register will be eligible for the California Register.

The California Register program encourages public recognition and protection of resources of architectural, historical, archaeological, and cultural significance, identifies historical resources for state and local planning purposes, determines eligibility for state historic preservation grant funding and affords certain protections under CEQA. Criteria for Designation:

1. Associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
2. Associated with the lives of persons important to local, California or national history.
3. Embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values.
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.

In addition to meeting one or more of the above criteria, the California Register requires that sufficient time has passed since a resource's period of significance to "obtain a scholarly perspective on the events or individuals associated with the resources." (CCR 4852 [d][2]). Fifty years is normally considered sufficient time for a potential historical resource, and in order that the evaluation remain valid for a minimum of five years after the date of this report, all resources older than 45 years (i.e. resources from the "historic-period") will be evaluated for California Register listing eligibility, or CEQA significance. The California Register also requires that a resource possess integrity. This is defined as the ability for the resource to convey its significance through seven aspects: location, setting, design, materials, workmanship, feeling, and association.

**Assembly Bill 52.** California Assembly Bill 52 was approved on September 25, 2014. As stated in Section 11 of AB 52, the act applies only to projects that have a notice of preparation or a notice of negative declaration or mitigated negative declaration filed on or after July 1, 2015.

AB 52 establishes "tribal cultural resources" (TCRs) as a new category of resources under CEQA. As defined under Public Resources Code Section 21074, TCRs are "sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American Tribe" that are either: (1) included or determined to be eligible for inclusion in the CRHR; included in a local register of historical resources as defined in Public Resources Code Section 5020.1(k); or (2) determined by the lead agency to be significant pursuant to the criteria for inclusion in the CRHR set forth in Public Resources Code Section 5024.1(c), if supported by substantial evidence and taking into account the significance of the resource to a California Native American tribe. A "historical resource" as defined in

Public Resources Code Section 21084.1, a "unique archaeological resource" as defined in Public Resources Code Section 21083.2(g), or a "nonunique archaeological resource" as defined in Public Resources Code Section 21083.2(h) may also be TCRs.

AB 52 further establishes a new consultation process with California Native American tribes for proposed projects in geographic areas that are traditionally and culturally affiliated with that tribe. Per Public Resources Code Section 21073, "California Native American tribe" includes federally and non-federally recognized tribes on the NAHC contact list. Subject to certain prerequisites, AB 52 requires, among other things, that a lead agency consult with the geographically affiliated tribe before the release of an environmental review document for a proposed project regarding project alternatives, recommended mitigation measures, or potential significant effects, if the tribe so requests in writing. If the tribe and the lead agency agree upon mitigation measures during their consultation, these mitigation measures must be recommended for inclusion in the environmental document (Public Resources Code Sections 21080.3.1, 21080.3.2, 21082.3, 21084.2, and 21084.3).

Since the City will initiate and carry out the required AB52 Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff are available to answer questions and address comments as necessary.

**Paleontological Resources.** CEQA provides guidance relative to significant impacts on paleontological resources, indicating that a project would have a significant impact on paleontological resources if it disturbs or destroys a unique paleontological resource or site or unique geologic feature. Section 5097.5 of the California Public Resources Code specifies that any unauthorized removal of paleontological remains is a misdemeanor. Further, California Penal Code Section 622.5 sets the penalties for damage or removal of paleontological resources. CEQA documentation prepared for projects would be required to analyze paleontological resources as a condition of the CEQA process to disclose potential impacts. Please note that as of January 2018 paleontological resources are considered in the geological rather than cultural category. Therefore, paleontological resources are not summarized in the body of this report. A paleontological overview completed by professional paleontologists from the Western Science Center is provided as Appendix B.

## NATURAL SETTING

The project site is located in the Desert Hot Springs-Upper Coachella Valley Area of the Colorado Desert. The region is characterized by an arid climate with dry, hot summers and mild winters. The elevation of the project site is approximately 795 feet above mean sea level (AMSL). The property has been subject to disturbances related to construction of the utility line and access road northeast of the project site. The project site is covered with deposits described as unindurated, undissected, alluvial sand and gravel of valley areas (Qa) derived from the surrounding San Jacinto and San Gorgonio Mountains (Dibblee 2004). The current study has not yielded any evidence that such sediments have produced raw materials used in prehistoric tool manufacture. Local rainfall ranges from 2 to 5 inches annually, and usually occurs as winter rain and monsoonal summer showers (Jaeger and Smith 1971). The project site is flat, although the general slope conveys local water from northwest to southeast into Mission Creek. The creek is approximately 0.2 miles to the east

of the project site and drains into the Whitewater River at a point which is located approximately 3 miles southeast of the project site (USGS 1972). Desert Hot Springs is located at the nexus of three natural geomorphic provinces, including the Transverse Ranges, the Peninsular Ranges, and the Colorado Desert. The oldest local rocks are Precambrian rocks derived from the San Gorgonio complex, and are intruded by Cactus Granite, quartz monzonite, breccia, dilorite porphyry, and plutonic rocks. (Proctor 1968:9). Many lakes (now dry) in the Colorado Desert are thought to have supported small human populations during the terminal Pleistocene (22,000-11,000 years before present) and early Holocene (11,000-8,000 years before present). Since the desiccation of California's deserts during the later Holocene, local lakes have dried and significant sand dunes have formed. Common local flora includes cacti, desert agave, cheesebrush, catclaw acacia, creosote, and seasonal grasses. Common animals include coyotes, foxes, rabbits, rodents, ravens, and raptors (see Lightfoot and Parrish 2009: 341-363).

## CULTURAL SETTING

### Prehistoric Context

Two primary regional syntheses are commonly utilized in the archaeological literature for southern California. The first was advanced by Wallace in 1955, and defines four cultural horizons, each with characteristic local variations: Early Man Horizon, Milling Stone, Intermediate, and Late Prehistoric. Employing a more ecological approach, Warren (1986) defined five periods in southern California prehistory: Lake Mojave, Pinto, Gypsum, Saratoga Springs, and Protohistoric. Warren viewed cultural continuity and change in terms of various significant environmental shifts, defining the cultural ecological approach for archaeological research of the California deserts and coast. Many changes in settlement patterns and subsistence focus are viewed as cultural adaptations to a changing environment, beginning with the gradual environmental warming in the late Pleistocene, the desiccation of the desert lakes during the early Holocene, the short return to pluvial conditions during the middle Holocene, and the general warming and drying trend, with periodic reversals, that continue to this day (Warren 1986).

**Paleoindian (12,000 to 10,000 BP) and Lake Mojave (10,000 to 7,000 BP) Periods.** Climatic warming characterizes the transition from the Paleoindian Period to the Lake Mojave Period. This transition also marks the end of Pleistocene Epoch and ushers in the Holocene. The Paleoindian Period has been loosely defined by isolated fluted (such as Clovis) projectile points, dated by their association with similar artifacts discovered in-situ in the Great Plains (Sutton 1996:227-228). Some fluted bifaces have been associated with fossil remains of Rancholabrean mammals approximately dated to ca. 13,300-10,800 BP near China Lake in the northern Mojave Desert. The Lake Mojave Period has been associated with cultural adaptations to moist conditions, and resource allocation pointing to more lacustrine environments than previously (Bedwell 1973). Artifacts that characterize this period throughout southern California deserts include stemmed points, flake and core scrapers, choppers, hammerstones, and crescentics (Warren and Crabtree 1986:184). Projectile points associated with the period include the Silver Lake and Lake Mojave styles. Lake Mojave sites commonly occur on shorelines of Pleistocene lakes and streams, where geological surfaces of that epoch have been identified (Basgall and Hall 1994:69).

**Pinto Period (7,000 to 4,000 BP).** The Pinto Period has been largely characterized by desiccation of the southern California. As formerly rich lacustrine environments began to disappear, the artifact record reveals more sporadic occupation of the drier regions, indicating occupants' recession into the cooler fringes (Warren 1986). Pinto Period sites are rare, and are characterized by surface manifestations that usually lack significant in-situ remains. Artifacts from this era include Pinto projectile points and a flake industry similar to the Lake Mojave tool complex (Warren 1986), though use of Pinto projectile points as an index artifact for the era has been disputed (see Schroth 1994). Milling stones have also occasionally been associated with sites of this period (Warren 1986).

**Gypsum Period. (4,000 to 1,500 BP).** A temporary return to moister conditions during the Gypsum Period is postulated to have encouraged technological diversification afforded by the abundance of resources available (Warren 1986:419-420; Warren and Crabtree 1986:189). Lacustrine environments reappear and begin to be exploited during this era (Shutler 1961, 1968). Concurrently a more diverse artifact assemblage reflects intensified reliance on plant resources. The new artifacts include milling stones, mortars, pestles, and a proliferation of Humboldt Concave Base, Gypsum Cave, Elko Eared, and Elko Corner-notched dart points (Warren 1986; Warren and Crabtree 1986). Other artifacts include leaf-shaped projectile points, rectangular-based knives, drills, large scraper planes, choppers, hammer stones, shaft straighteners, incised stone pendants, and drilled slate tubes. The bow and arrow appears around 2,000 BP, evidenced by the presence of a smaller type of projectile point, the Rose Spring point (Rogers 1939; Schroeder 1953, 1961; Shutler 1961; Yohe 1992).

**Saratoga Springs Period (1,500 to 800 BP).** During the Saratoga Springs Period regional cultural diversifications of Gypsum Period developments are evident. Influences from Patayan/Yuman assemblages are apparent in the southern inland areas, and include buff and brown wares often associated with Cottonwood and Desert Side-notched projectile points (Warren 1986:423). Obsidian becomes more commonly used throughout southern California and characteristic artifacts of the period include milling stones, mortars, pestles, ceramics, and ornamental and ritual objects. More structured settlement patterns are evidenced by large villages, and three types of identifiable archaeological sites (major habitation, temporary camps, and processing stations) emerge (McGuire and Hall 1988). Diversity of resource exploitation continues to expand, indicating a much more generalized, somewhat less mobile subsistence strategy.

**Shoshonean Period (800 BP to Contact).** The Shoshonean period is the first to benefit from contact-era ethnography –and is subject to its inherent biases. Interviews of living informants allowed anthropologists to match artifact assemblages and particular traditions with linguistic groups, and plot them geographically (see Kroeber 1925; Gifford 1918; Strong 1929). During the Shoshonean Period continued diversification of site assemblages, and reduced Anasazi influence both coincide with the expansion of Numic (Uto-Aztecan language family) speakers across the Great Basin, Takic (Uto-Aztecan language family) speakers into southern California, and the Hopi across the Southwest (Sutton 1996). Hunting and gathering continued to diversify, and the diagnostic arrow points include desert side-notch and cottonwood triangular. Ceramics continue to proliferate, though are more

common in southeastern Riverside County during this period (Warren and Crabtree 1986). Trade routes have become well established between coastal and inland groups.

## Ethnography

The project site is situated within the traditional boundaries of the Cahuilla, who belong to the Cupan group of the Takic subfamily of languages (Bean and Smith 1978). Like other Native American groups in southern California, they practiced semi-nomadic hunter-gatherer subsistence strategies and commonly exploited seasonably available plant and animal resources. Spanish missionaries were the first outsiders to encounter these groups during the late 18th century. The Cahuilla are generally divided into three groups: Desert Cahuilla, Mountain Cahuilla, and Western (or Pass) Cahuilla (Kroeber 1925; Bean and Smith 1978). The term Western Cahuilla is preferred over Pass Cahuilla because this group is not confined to the San Gorgonio Pass area. The distinctions are believed to be primarily geographic, although linguistic and cultural differences may have existed to varying degrees (Strong 1929). Cahuilla territory lies within the geographic center of Southern California and the Cocopa-Maricopa Trail, a major prehistoric trade route, ran through it. The first written accounts of the Cahuilla are attributed to mission fathers; later documentation was by Strong (1929), Bright (1998), and others.

## History

In Southern California, the historic era is generally divided into three periods: the Spanish or Mission Period (1769 to 1821), the Mexican or Rancho Period (1821 to 1848), and the American Period (1848 to present).

**Spanish Period.** The Spanish period (1769-1821) is represented by exploration of the region; establishment of the San Diego Presidio and missions at San Gabriel and San Luis Rey; and the introduction of livestock, agricultural goods, and European architecture and construction techniques. Spanish influence continued to some extent after 1821 due to the continued implementation of the mission system.

**Mexican Period.** The Mexican period (1821-1848) began with Mexican independence from Spain and continued until the end of the Mexican-American War (Cleland 1962). The Secularization Act of 1834 resulted in the transfer, through land grants (called ranchos) of large mission tracts to politically prominent individuals. Sixteen ranchos were granted in Riverside County. At that time cattle ranching was a more substantial business than agricultural activities, and trade in hides and tallow increased during the early portion of this period. Until the Gold Rush of 1849, livestock and horticulture dominated California's economy (Beattie and Beattie 1974).

**American Period.** The American Period, 1848–Present, began with the Treaty of Guadalupe Hidalgo. In 1850, California was accepted into the Union of the United States primarily due to the population increase created by the Gold Rush of 1849. The cattle industry reached its greatest prosperity during the first years of the American Period. Mexican Period land grants had created large pastoral estates in California, and demand for beef during the Gold Rush led to a cattle boom that lasted from 1849–1855. However, beginning about 1855, the demand for beef began to decline due to imports of sheep from

New Mexico and cattle from the Mississippi and Missouri Valleys. When the beef market collapsed, many California ranchers lost their ranchos through foreclosure. A series of disastrous floods in 1861–1862, followed by two years of extreme drought, which continued to some extent until 1876, altered ranching forever in the southern California area (Beattie and Beattie 1974).

**Local Sequence.** The modern city of Desert Hot Springs was established within the desert of the Coachella Valley. Prior to European settlement, the area was home to the Cahuilla Indians. The Cahuilla migrated between the valley floor and the surrounding mountains as dictated by various stands of Ancient Lake Cahuilla. After the lake dried up around 500 years before present, many Cahuilla settled in the valley and were historically known as the Desert Cahuilla. The first European to pass through the Coachella Valley is thought to be a Spaniard called Father Francisco Garces. Having become familiar with the area, Garces acted as a guide to Juan Bautista de Anza, who had been commissioned to lead a group across the desert from a Spanish outpost in Arizona to set up quarters at the Mission San Gabriel in 1771 near what today is Pasadena (Beck and Haase 1974). Garces was followed by Alta California Governor Pedro Fages, who briefly explored the region in 1772. Searching for San Diego Presidio deserters, Fages had traveled through Riverside to San Bernardino, crossed over the mountains into the Mojave Desert, and then journeyed westward to the San Joaquin Valley (Beck and Haase 1974). Later Spanish expeditions end eventually settlements (including Mission outposts) occurred in the 1820s. In the early years of non-Native settlement, the valley area was referred to as "Cuchuil" by the Spanish and Mexicans, derived from a rendering of a Cahuilla word with a spelling variant being "Coahuila." The Desert Cahuilla people remaining in the Coachella Valley lived at Mission outposts and, following secularization of mission lands and Mexican independence from Spain, on rancherias where they learned technical agriculture. After the United States' acquired Californian territories from Mexico in 1848, several reservations were established for the Cahuilla that remained in the valley. These included Agua Caliente, Cabazon, and Torres Martinez Reservations established in 1876, and the Augustine Reservation established in 1891 (Gudde 1962:64; Ward 2014:7).

In 1876 the Southern Pacific Railroad completed its line from Los Angeles to Indian Wells (present-day Indio), under General Superintendent A.N. Towne. Jason L. Rector was the first American to take up permanent residence in the valley, in present-day Coachella. Born and raised in Iowa, Rector came to San Diego in 1884. He was actively engaged in real estate and cattle businesss, and bought livestock throughout Southern California. He soon accepted a position with the Southern Pacific Railroad Company, and arranged contracts with the A.N. Towne Estate to export wood from the Coachella Valley. At the time, the valley was covered in a heavy growth of mesquite and greasewood. Rector chose a site along the Southern Pacific rail siding to establish a mesquite wood terminal named Woodspur, from which lumber was hauled off to market in Los Angeles. Rector ultimately relinquished his lumber exporting venture in favor of surveying the valley to plan a townsite. He built an adobe home there. After digging a test well to check the groundwater source for irrigation potential, Jason Rector and his brother Lon excavated a well four miles east of Indio in 1900. The well tapped into pure water, at a depth of 550 feet below the desert surface. With a reliable fresh water supply secured, jobs in the railroad and lumber industries induced a settlement in Woodspur, and a small community was established. Rector dubbed the

community Woodspur shortly after his well was completed. In 1901, the burgeoning town voted to change the name of Woodspur to "Conchilla," a Spanish word denoting the small shells found throughout the valley floor. When the name was decided upon and sent to printers to create advertisements for the town, the printers published the name as "Coachella," confusing the "n" and "l" for an "a" and "e," respectively. Rector and other townsite planners decided to keep the new name rather than delay development any further. The surrounding valley adopted the name as well (City of Coachella 2020; Ward 2014:10).

Early inhabitants of the Desert Hot Springs area included temporary resident Jack Riley (in 1908), homesteader Hilda M. Gray (1908), and Cabot Yerxa. Yerxa, a well-traveled artist, arrived and acquired a 60-acre homestead near Two Bunch Palms in 1913 (City of Desert Hot Springs 2018; Desert Sentinel 1953). While digging a well that year he encountered hot mineral water below the surface for which Desert Hot Springs was eventually named (Desert Sun 1988). Yerxa called his property Miracle Hill (Hi-Desert Star 1976), and built the first permanent local residence which he named Eagle's Nest Cabin. In 1937, Yerxa constructed a trading post, art gallery, and museum (Desert Sentinel 1949). He began building a four-story, 35-room pueblo in 1941 which he named the Old Indian Pueblo. It utilized Hopi-style architecture and was constructed almost solely by Yerxa over a 20-year period (City of Desert Hot Springs 2018). He converted the Old Indian Pueblo to a museum which opened to the public in 1951. It operated as a museum featuring Hopi artwork, artifacts he had collected in his travels, and his own artwork (The Desert Sun 1988).

In 1937 Hollywood writer Lucienne Hubbard and his son-in-law Charles Bender built and opened the B-bar-H Ranch, an early Desert Hot Springs attraction. Utilizing the hot springs discovered by Cabot Yerxa, the ranch became a famous and exclusive resort for wealthy politicians, businessmen, musicians, and movie stars (Desert Sun 2014). Recognizing its residential growth potential, L.W. Coffee established a square-mile townsite in 1941 at Palm Drive and Pierson Boulevard. In the 1950s entrepreneurs followed the B-bar-H Ranch example and established several spas and hotels making Desert Hot Springs a popular tourist destination. Desert Hot Springs was incorporated on September 17, 1963 (City of Desert Hot Springs 2018). Numerous resorts have opened throughout the 20th century and many are still in use. In December 2001 the city filed for chapter 9 bankruptcy (Desert Sun 2001) but has since recovered. The subsequent construction of subdivisions and other diversified businesses have resulted in increasing revenue and real estate values, and have spurred general economic growth which continues to this day (Los Angeles Times 2016).

## PERSONNEL

David Brunzell, M.A., RPA acted as the Project Manager and Principal Investigator for the current study and compiled the technical report. Eastern Information Center (EIC) staff will complete the archaeological records search. Mr. Brunzell has completed aerial photo and topographic map research to characterize land-use of the project site. BCR Consulting Archaeological Field Director Joseph Orozco (M.A., RPA) completed the pedestrian field survey.

## METHODS

### Records Search

Prior to fieldwork, BCR Consulting requested an archaeological records search from the EIC. This will include a review of all recorded historic and prehistoric cultural resources, as well as a review of known cultural resources, and survey and excavation reports generated from projects completed within one mile of the project site. In addition, a review will be conducted of the National Register of Historic Places (National Register), the California Register of Historical Resources (California Register), and documents and inventories from the California Office of Historic Preservation including the lists of California Historical Landmarks, California Points of Historical Interest, Listing of National Register Properties, and the Inventory of Historic Structures.

### Field Survey

An archaeological pedestrian field survey of the project site was conducted on August 18, 2020. The survey was conducted by walking parallel transects approximately 15 meters apart across 100 percent of the project site. Soil exposures, including natural and artificial clearings were carefully inspected for evidence of cultural resources.

## RESULTS

### Records Search (Preliminary)

The final results from the EIC are pending. EIC materials are typically accessible to qualified personnel. However, due to pandemic-related restrictions, the EIC is conducting all research in house. This has protracted the research schedule. Results are not currently available, and the EIC has not responded to schedule requests. A review of aerial photos and topographic maps indicate that the project has been vacant since 1957 (United States Department of Agriculture 2016, 2010, 1996, 1972; USGS 1957, 1901).

**Table A. PRELIMINARY Cultural Resources and Reports Within One Mile of the Project Site**

| USGS 7.5 Min. Quad. | Cultural Resources Within One Mile of Project Site | Cultural Resource Studies Within One Mile of Project Site |
|---|---|---|
| *Desert Hot Springs, California* (1972) | RESULTS PENDING | |

### Field Survey

During the field survey, BCR Consulting staff carefully inspected the project site, and identified no cultural resources within its boundaries. Surface visibility was approximately 60 percent within the project site. Sediments consisted of rocky, silty sand containing poorly sorted gravels. The property has been subject to severe disturbances related to excavation for adjacent utility access roads, off road vehicle use, and modern trash dumping. Vegetation was dominated by creosote and seasonal grasses. No cultural resources were (including prehistoric or historic-period archaeological sites or historic buildings) were identified within the project site boundaries.

## RECOMMENDATIONS

Although records search results are pending, a review of aerial photos and topographic maps indicate that the project has never been developed. The status of previous archaeological discoveries within the project site boundaries is not known. No cultural resources were identified during the pedestrian cultural resources field survey. Preliminary results indicate that cultural resources (including prehistoric or historic-period archaeological sites or historic buildings) are not likely within the project site. However, records search results could reveal previous archaeological discoveries within the project site that have been obscured by changing surface conditions, or previous archaeological discoveries adjacent to the project site. Recommendations cannot be finalized until records search results have been received. After final recommendations are offered, if previously undocumented cultural resources are identified during earthmoving activities, a qualified archaeologist should be contacted to assess the nature and significance of the find, diverting construction excavation if necessary.

Findings were negative during the Sacred Lands File search with the NAHC. The City will initiate Assembly Bill (AB) 52 Native American Consultation for the project. Since the City will initiate and carry out the required Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff is available to answer questions and address concerns.

According to CEQA Guidelines, projects subject to CEQA must determine whether proposed activities would "directly or indirectly destroy a unique paleontological resource". The appended Paleontological Overview provided in Appendix B has recommended that:

> The geologic units underlying this project are mapped entirely as alluvial sand and gravel deposits dating from the Holocene period (Dibblee, 2004). While Holocene alluvial units are considered to be of high preservation value, material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching earliest Holocene or Late Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1-mile radius.
>
> While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

If human remains are encountered during the undertaking, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage

Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

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# APPENDIX A

# NAHC SACRED LANDS FILE SEARCH

**STATE OF CALIFORNIA** **Gavin Newsom, *Governor***

# NATIVE AMERICAN HERITAGE COMMISSION

July 21, 2020

Joseph Orozco
BCR Consulting LLC

Via Email to: josephorozco513@gmail.com

**Re: Cal Meadows Project, Riverside County**

Dear Mr. Orozco:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

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

Sincerely,

Andrew Green

Andrew Green
*Cultural Resources Analyst*

Attachment

CHAIRPERSON
**Laura Miranda**
*Luiseño*

VICE CHAIRPERSON
**Reginald Pagaling**
*Chumash*

SECRETARY
**Merri Lopez-Keifer**
*Luiseño*

PARLIAMENTARIAN
**Russell Attebery**
*Karuk*

COMMISSIONER
**Marshall McKay**
*Wintun*

COMMISSIONER
**William Mungary**
*Paiute/White Mountain Apache*

COMMISSIONER
**Julie Tumamait-Stenslie**
*Chumash*

COMMISSIONER
**[Vacant]**

COMMISSIONER
**[Vacant]**

EXECUTIVE SECRETARY
**Christina Snider**
*Pomo*

**NAHC HEADQUARTERS**
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

**Native American Heritage Commission**
**Native American Contact List**
**Riverside County**
**7/21/2020**

***Agua Caliente Band of Cahuilla Indians***
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5401 Dinah Shore Drive — Cahuilla
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Phone: (760) 699 - 6907
Fax: (760) 699-6924
ACBCI-THPO@aguacaliente.net

***Agua Caliente Band of Cahuilla Indians***
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***Augustine Band of Cahuilla Mission Indians***
Amanda Vance, Chairperson
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***Cahuilla Band of Indians***
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Anza, CA, 92539
Phone: (951) 763 - 5549
Fax: (951) 763-2808
Chairman@cahuilla.net

***Los Coyotes Band of Cahuilla and Cupeño Indians***
Shane Chapparosa, Chairperson
P.O. Box 189 — Cahuilla
Warner Springs, CA, 92086-0189
Phone: (760) 782 - 0711
Fax: (760) 782-0712

***Morongo Band of Mission Indians***
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Fax: (951) 922-8146
dtorres@morongo-nsn.gov

***Morongo Band of Mission Indians***
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12700 Pumarra Road — Cahuilla
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dtorres@morongo-nsn.gov

***Quechan Tribe of the Fort Yuma Reservation***
Jill McCormick, Historic Preservation Officer
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
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historicpreservation@quechantribe.com

***Quechan Tribe of the Fort Yuma Reservation***
Manfred Scott, Acting Chairman
Kw'ts'an Cultural Committee
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scottmanfred@yahoo.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Cal Meadows Project, Riverside County.

**Native American Heritage Commission**
**Native American Contact List**
**Riverside County**
**7/21/2020**

***Ramona Band of Cahuilla***
John Gomez, Environmental Coordinator
P. O. Box 391670 — Cahuilla
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***San Manuel Band of Mission Indians***
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***Santa Rosa Band of Cahuilla Indians***
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***Soboba Band of Luiseno Indians***
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***Twenty-Nine Palms Band of Mission Indians***
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This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Cal Meadows Project, Riverside County.

# APPENDIX B

# PALEONTOLOGICAL RESOURCES ASSESSMENT

WESTERN SCIENCE CENTER

BCR Consulting LLC
Joseph Orozco
505 West 8th Street
Claremont, CA 91711

July 28, 2020

Dear Mr. Orozco,

This letter presents the results of a record search conducted for the Cal Meadows Project in the city of Desert Hot Springs, Riverside County, California. The project site is located south of 18th Avenue, and west of Little Morongo Road of in Section 14, Township 3 South, Range 4 East on the Desert Hot Springs, CA USGS 7.5 minute quadrangle.

The geologic units underlying this project are mapped entirely as alluvial sand and gravel deposits dating from the Holocene period (Dibblee, 2004). While Holocene alluvial units are considered to be of high preservation value, material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching earliest Holocene or Late Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1 mile radius.

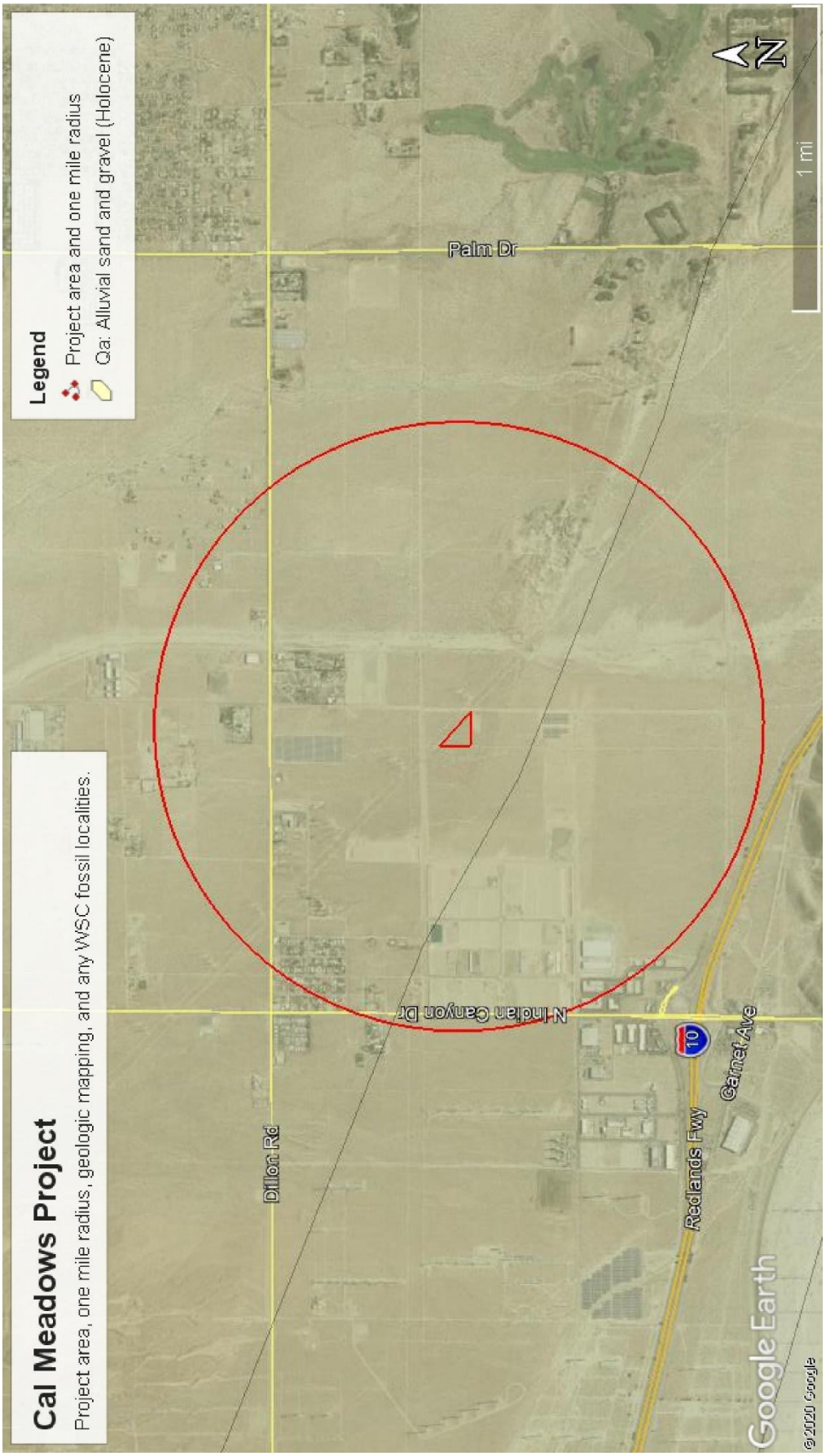
While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

If you have any questions or would like further information, please feel free to contact me at dradford@westerncentermuseum.org

Sincerely,

Darla Radford
Collections Manager

2345 Searl Parkway ♦ Hemet, CA 92543 ♦ phone 951.791.0033 ♦ fax 951.791.0032 ♦ WesternScienceCenter.org


Cal Meadows Project
Project area, one mile radius, geologic mapping, and any WSC fossil localities.
Legend
Project area and one mile radius
Qa: Alluvial sand and gravel (Holocene)
Palm Dr
N Indian Canyon Dr
Dillon Rd
Redlands Fwy
Garnet Ave
10
1 mi
N
Google Earth
© 2020 Google

# APPENDIX C

# PROJECT PHOTOGRAPHS



Photo 1: Project Site Overview from South Portion (View NW)



Photo 2: Project Site Overview from Midsection (View NE)

# APPENDIX D

PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPOSED INDUSTRIAL BUILDING
APN 666-350-033
LITTLE MORONGO ROAD
DESERT HOT SPRINGS, CALIFORNIA

-Prepared By-
Sladden Engineering
45090 Golf Center Parkway, Suite F
Indio, California 92201
(760) 863-0713

**Sladden Engineering**

**45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847**
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

September 23, 2019

Project No. 544-19299
19-09-428

Mr. Elias Malouf
1412 West Park Avenue
Anaheim, California 92801

Subject: Phase I Environmental Site Assessment
Proposed Industrial Building
APN 666-350-033
Little Morongo Road
Desert Hot Springs, California

At your request, Sladden Engineering has completed this updated Phase I Environmental Site Assessment for the property identified as APN 666-350-033 located on the west side of Little Morongo road and south of 18th Avenue in the City of Desert Hot Springs, California.

This report was prepared to stand as a whole and no part should be excerpted or used in exclusion of any other part. The activities conducted have been in accordance with our proposal dated September 11, 2019. This report completes our Phase I scope of services as outlined in our agreement. We appreciate this opportunity to be of service. If you have any questions regarding this report or the information contained herein, please contact the undersigned at your convenience.

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 and we have the 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 all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Respectfully Submitted,
**Sladden Engineering**

Matthew J. Cohrt
Principal Geologist

CERTIFIED ENGINEERING GEOLOGIST
MATTHEW J. COHRT
2634
STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER
BRETT L. ANDERSON
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STATE OF CALIFORNIA

Phase I/mc

Copies: (4) Addressee

RESULTS OF UPDATED PHASE I
ENVIRONMENTAL SITE ASSESSMENT
PROPOSED INDUSTRIAL BUILDING
APN 666-350-033
LITTLE MORONGO ROAD
DESERT HOT SPRINGS, CALIFORNIA

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Figure 1 Site Location Map
Appendix A Photographs of Property
Appendix B Environmental Database Report
Appendix C Historical Reference Documents
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## 1.0 INTRODUCTION

This updated Phase I *environmental site assessment* has been conducted at the request of Mr. Elias Malouf.

### 1.1 Purpose

This report presents the findings of the updated Phase I Environmental Site Assessment (ESA) conducted for the property identified as APN 666-350-033 located on the west side of Little Morongo Road and south of 18th Avenue in the City of Desert Hot Springs, California. The approximate location of the site is indicated on the Site Location Map, Figure 1.

The intent of this investigation was to evaluate areas of potential environmental concern that may be present as a result of past hazardous materials use, handling or storage on or near the property with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and *petroleum products* for a parcel of *commercial real estate.* This ESA is also intended to permit the *user* to satisfy one of the requirements to qualify for the *landowner liability protection* (LLP) that is, the practice that constitutes "all appropriate inquiry" (AAI) defined at 40 Code of Federal Regulations Part 312.

### 1.2 Detailed Scope-of-Services

The scope of the updated Phase I ESA work performed herein generally conforms with American Society for Testing and Materials (ASTM) Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments* and has consisted of a records review, site reconnaissance, interviews, and the preparation of this report. An evaluation of *business environmental risks* and testing of building materials, air, or groundwater is beyond the scope of this report. For reference, the italicized terms presented herein are consistent with those defined in ASTM Standard E1527-13, Section 3, Terminology.

Included in this report is a Site Location Map (Figure 1) and Site Photograph (Figure 2). Photographs of the property (Appendix A) document the general site features and conditions as observed during the site visit on March 26, 2018. For regulatory and agency database information, Environmental Data Resources, Inc. (EDR) was retained. A copy of their report is attached as Appendix B. Relevant and readily available historical records are provided in Appendix C as reference.

There are no *Special Contractual Conditions* between *user* and *environmental professional* for this assessment.

### 1.3 Significant Assumptions

This environmental assessment and report generally meet the November 1, 2013, ASTM Standard E1527-13. As specified under this standard, certain responsibilities lie with the *user* of the assessment. The *user* is generally the purchaser, owner, lender, property manager, or potential tenant. Under the ASTM standard, it is the responsibility of the *user* to engage a title company or title professional to undertake a review of *Environmental Liens or Activity and Use Limitations (AULs)* with regard to the property, and provide this information to the *environmental professional* preparing the assessment. Additionally, the *user* must make the professional aware of any specialized knowledge or experience that is material to *Recognized Environmental Conditions* in connection with the property. Where and when provided, information provided in this regard is presented in the records review section of this report.

*"Recognized Environmental Conditions"* are defined by ASTM as follows: "The presence or likely presence of any Hazardous Substances or Petroleum Products on a Property under conditions that indicate an existing release, a past release, or a material threat of a release of any Hazardous Substances or Petroleum Products into structures on the Property or into the ground, groundwater or surface water of the Property. 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."

## 2.0 SITE DESCRIPTION

A description and general property information is summarized in this section.

### 2.1 Location and Legal Description

| | |
|---|---|
| Latitude (North) | 33.9162360 - 33° 54' 58.44" |
| Longitude (West) | 116.5296530 - 116° 31' 46.75" |
| Elevation (mean sea level) | 806 feet above sea level |
| Subject Property Size | 0.98 Acres |

The subject property is located on the west side of Little Morongo Road and south of 18th Avenue in the City of Desert Hot Springs, California. Figure 1 shows the location of the property relative to the general site vicinity.

### 2.2 Geology & Hydrogeology

The property is located in the Coachella Valley, in City of Desert Hot Springs. The Coachella Valley is part of the tectonically active Salton Trough. The Salton Trough is a closed, internally draining basin bounded in its northerly portion by the San Jacinto and Santa Rosa Mountains to the southwest, the San Bernardino Mountains to the northwest, and the Little San Bernardino Mountains to the northeast. These mountain ranges are composed of granitic and metamorphic rocks that also form the basement complex of the Coachella Valley. Overlying the basement complex, the valley is filled with a series of unconsolidated and semi-consolidated continental clastic materials eroded from the surrounding mountain ranges, lacustrine deposits of ancient Lake Cahuilla, and wind-blown sand deposited in the active blowsand areas.

The northwest-southeast trending San Andreas fault zone dominates the geology of the Coachella Valley. The Banning, Mission Creek, and Garnet Hill faults (which are part of the San Andreas fault system), divide the Coachella Valley into four distinct hydrogeologic subbasins, as the faults are generally impermeable to groundwater flow. Groundwater characteristics in the area of the subject site are governed by the features of the Whitewater River subbasin, which is bound by the Garnet Hill fault to the northwest, and the San Jacinto and Santa Rosa Mountains to the west and south. Groundwater in the Whitewater River subbasin generally flows in a southeasterly direction from the main recharge area near San Gorgonio Pass towards the Salton Sea. Average transmissivity (a measure of groundwater flow rate) of the main aquifer in the subject vicinity is relatively high, averaging 300,000 gallons per columnar foot per day. Average water storage capacity within the main aquifer is eighteen percent (USDA, 1980). Depth to groundwater in the general site vicinity is expected to be in excess of 100 feet below existing ground surface.

The EDR report provides a physical setting source addendum (GeoCheck). The property is located at an elevation of approximately 806 feet above sea level. The topography increases in elevation to the north and decreases to the south. The EDR report searched for specific hydro-geologic information maintained by EDR within a 1.25-mile radius from the property; however, no specific information was found. Near surface soil in the general area is described to consist of fine sand that is well drained to excessively drained sands and gravels.

The EDR report also searched for public water systems and water wells known to the United States Geological Survey (USGS) and State of California within a one-mile radius of the property. Eleven (11) wells were found within 1 mile of the subject site. There were no groundwater measurements available.

## 3.0 USER PROVIDED INFORMATION

Site plans depicting the current site conditions or proposed development were not available at the time of this report.

The *user* has no knowledge, or information, of *Environmental Liens or Activity and Use Limitations (AULs)* relating to the property.

## 4.0 RECORDS REVIEW

This section covers agency records and readily available and public documents from standard sources.

### 4.1 Regulatory Records

To identify reported areas of possible environmental impairment on or within a 1.0-mile radius of the subject property, an "Environmental Database Report" was obtained from EDR (Appendix B). This report includes information from the following agencies:

- California Department of Health Services (CDHS)
- California Environmental Protection Agency (Cal EPA)
- California Integrated Waste Management Board (CWMB)
- California Water Resources Control Board (WRCB)
- California Office of Health Services (CDHS)
- Regional Water Quality Control Board - Colorado River Region 9
- U.S. Environmental Protection Agency, Region 9 (EPA)
- Department of Public Health

The databases reviewed include:

Federal Records

- National Priority List (NPL)
- Proposed National Priority List (Proposed NPL)
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)
- CERCLIS No Further Remedial Action Planned (CERCLIS-NFRAP)
- Corrective Action Report (CORRACTS)
- Resource Conservation and Recovery Information System (RCRIS)
- Emergency Response Notification System (ERNS)

- Biennial Reporting System (BRS)
- Superfund (CERCLA) Consent Decrees (CONSENT)
- Records of Decision (ROD)
- National Priority List Deletions (Delisted NPL)
- Facility Index System/Facility Identification Initiative Program (FINDS)
- Hazardous Materials Information Reporting System (HMIRS)
- Material Licensing Tracking System (MLTS)
- Mines Master Index Files (MINES)
- Federal Superfund Liens (NPL LIENS)
- PCB Activity Database System (PADS)
- RCRA Administrative Action Tracking System (RAATS)
- Toxic Chemical Releases Inventory System (TRIS)
- Toxic Substances Control Act (TSCA)
- FIFRA / TSCA Tracking System (FTTS INSP)
- FIFRA / TSCA Tracking System (FTTS)

California Records

- Annual Workplan Sites (AWP)
- Calsites Database (CAL-SITES)
- California Hazardous Material Incident Report System (CHMIRS)
- Cortese Hazardous Waste & Substances Sites List (CORTESE)
- Proposition 65 Records (NOTIFY 65)
- Toxic Pits Cleanup Act Sites (TOXIC PITS)
- Solid Waste Information System (SWIS)
- Waste Management Unit Database (WMUDS/SWAT)
- Leaking Underground Storage Tank Information System (LUST)
- Bond Expenditure Plan (CA BOND EXP. PLAN)
- Active UST Facilities (UST)
- Facility Inventory Database (CA FID UST)
- Hazardous Substances Storage Container Database (HIST UST)
- Aboveground Petroleum Storage Tank Facilities (AST)
- Cleaner Facilities (CLEANERS)
- Waste Discharge System (CA WDS)
- List of Deed Restrictions (DEED)
- Hazardous Waste Information System (HAZNET)

Local Records

- Underground Storage Tank Cleanup Sites (LUST)
- Underground Storage Tank List

The search distances used are indicated in the EDR. There are no sites reported within the search radius that would have a significant environmental impact on the site.

4.2 Sanborn Fire Insurance Maps

The subject site is an unmapped property.

4.3 Aerial Photographs

To identify past uses that may have had an environmental impact on the property or surrounding areas, a collection of historical aerial photographs were reviewed. Photographs from 1953, 1972, 1984, 1996, 2002, 2005, 2009, 2012 and 2016 were readily available for review (copies are included in Appendix C for reference). The following summaries are interpretive, and are valid only for the dates flown.

1953- The property consists of undeveloped desert land. Mission Creek wash is visible to the east and unimproved roads are visible to the west, north (18th Avenue) and east (Little Morongo Road). Power Line Road is visible near the northeast property boundary. (USDA, 1953).

1972- The site remains in a basically native condition and mostly unchanged from the previous photograph. Scattered residential properties are visible to the north (USDA, 1972).

1984- The site remains mostly unchanged from the previous photograph. More residential properties are visible to the north. Power transmission towers are visible (USDA, 1984).

1996- The property remains mostly unchanged from the previous photograph (USGS, 1996).

2002- The property remains mostly unchanged from the previous photograph (USGS/DOQQ, 2002).

2005- The property remains mostly unchanged from the previous photograph (USDA/NAIP, 2005).

2009- The property remains mostly unchanged from the previous photograph (USDA/NAIP, 2009).

2012- The property remains mostly unchanged from the previous photograph (USDA/NAIP, 2012).

2016- The property remains mostly unchanged from the previous photograph. A solar array is visible to the north of the subject property (USDA/NAIP, 2016).

4.4 Topographic Maps

Sladden Engineering retained EDR to provide historical topographic maps prepared by the USGS for the site vicinity. Historical topographic maps were available for the years 1901, 1940,1944, 1955, 1957, 1972, 1978 and 2012. The EDR Historical Topographic Map Report is included in Appendix C.

1901 - The property is mapped as undeveloped. Numerous north-south trending drainages are mapped. Palm Springs Station and various roads are mapped to the south of the subject property.

1940 - The subject site remains mapped as undeveloped desert land. New roads and structures are mapped in the vicinity of the site.

1944 - The property remains mostly unchanged from the previous map. Garnet is mapped to the south of Highway 99 (currently I-10).

1955 - The property remains mostly unchanged from the previous map. New roads and structures are visible in the site vicinity. Power transmission lines are mapped parallel the northeastern site boundary.

1957 - The site remains mostly unchanged from the previous map.

1972 - The site remains mostly unchanged from the previous map.

1978 - The site remains mostly unchanged from the previous map.

2012 - The site remains mostly unchanged from the previous map.

4.5 City Directory Image Report

Sladden retained EDR to provide a historical city directory search for the property and nearby properties. The city directories identify individuals and businesses by street address. EDR obtained information from city and telephone directories from 1971 to 2014. The EDR City Directory Image Report is included in Appendix C.

4.6 Title Records

Title records were not provided by the client and therefore were not reviewed as a part of this assessment.

## 5.0 SITE RECONNAISSANCE

The property was visited by Mr. Matt Cohrt on September 23, 2019 to observe the general site conditions and adjacent land use relative to this assessment and photodocument general findings. The following observations were made:

The subject property is located on the west side of Little Morongo Road and south of 18th Avenue in the City of Desert Hot Springs, California. The site is formally identified by the County of Riverside as APN: 666-350-033 and consists of approximately 0.98 acres. The subject site is currently undeveloped. The site is covered in scattered native vegetation with minor debris near the western property limits. Overhead power transmission lines and Power Line Road are located off-site and parallel to the northeastern property boundary.

Topographic relief across the site is generally level with no discernible surface gradients. No evidence of hazardous materials or environmental concerns were observed during our site reconnaissance.

The following utilities are available and will likely service the general area.

Potable Water Supply – Mission Springs Water District
Sewage Disposal System – Mission Springs Water District
Electricity – Southern California Edison
Natural Gas – The Gas Company
Telephone – Various

## 6.0 INTERVIEWS

Interviews with the Owners and Local Government Officials are summarized below.

Interviews with Owners & Local Government Officials

The Riverside County Department of Environmental Health (RCDEH) and the Regional Water Quality Control Board, Colorado River Region (RWQCB) are the local environmental oversight agencies responsible for site contamination or activities relating to hazardous substances and hazardous waste sites. Representatives of these two agencies indicate that they do not have information regarding the presence or absence of adverse or negative environmental conditions at the site that is not listed on any of the environmental agency databases reviewed. Interviews with staff members from these agencies confirm they do not have unpublished information relating to adverse or negative environmental conditions at site. A questionnaire completed by Mr. Elias Malouf indicated no presence or past use of hazardous materials on the subject site (Appendix D).

## 7.0 FINDINGS / OPINION / CONCLUSIONS

We have performed an Updated Phase I ESA in conformance with the scope and limitations of ASTM Standard E-1527-13 for the property located on the west side of Little Morongo Road and south of 18th Avenue in the City of Desert Hot Springs, Riverside County, California. Any exceptions to, or deletions from, this practice are described in Section 8 of this report. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the property.

The EDR Report did not identify any sites that would be expected to have a significant negative environmental impact on the subject property. There is no evidence of storage or handling of chemicals on the subject site. Based upon the proposed use and past use of the site, the site is not considered a significant environmental condition.

ASTM Standard E1527-13 includes a requirement to address the potential presence of methane or other subsurface gases. Because there are no landfills, dumps, buried organic debris or other methane sources in the site vicinity and no underground petroleum storage tanks on the site, it is our opinion that the potential for methane or other subsurface gases impacting the subject site is negligible.

## 8.0 DEVIATIONS

Historical aerial photographs, maps, and other records pre-dating 1901 were not readily available and reasonably ascertainable through standard historical sources and therefore not reviewed as part of this Phase I ESA.

A 50-year chain-of-title review could help identify *environmental liens or activity use limitations (AULs).* This report, if provided by the *user,* will be reviewed and this report amended in the event *environmental liens or AULs* are identified during the search.

## 9.0 ADDITIONAL SERVICES

Non-scope considerations listed in ASTM E1527-13 Sections 12.9 and 13 are not part of this report. These optional assessments cover such issues as: business environmental risks, asbestos, radon, lead-based paint, lead in drinking water, etc.

## 10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

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 and we have the specific qualifications based on education, training, and experienced 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.

/s/
Matthew J. Cohrt
Principal Geologist

/s/
Brett Anderson
Principal Engineer

## 11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Summary qualifications of the individuals who conducted this Phase I ESA and prepared this report are presented below. Their *curriculum vitae* detailing relevant experience are available on request.

Matt Cohrt is a Professional Geologist and Certified Engineering Geologist with over 16 years experience in geotechnical and environmental consulting. Matt holds a Bachelor of Science Degree in Geology and has performed dozens of assessments and investigations throughout California.

Brett Anderson is a California Registered Civil Engineer with over 25 years experience in civil and environmental engineering. Brett holds a Masters Degree in geotechnical engineering and has been involved with the preparation of hundreds of Phase I ESAs throughout Southern California.

## 12.0 REFERENCES

AMI, 1967, Environmental Data Resources Aerial Photograph Archive.

American Society for Materials and Testing, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Standard E1527-13, November 19, 2015.

Barclay's California Code of Regulations, Register 91, No. 22, May 31, 1991.

Coachella Valley Water District, Engineer's Report on Water Supply and Replenishment Assessment 1993/1994, April 1993.

California Groundwater Bulletin 118 (CGB)

Environmental Data Resources, Inc., The EDR-Radius Map with GeoCheck, September 17, 2019

USDA, 1953, Environmental Data Resources Aerial Photograph Archive.

USDA, 1972, Environmental Data Resources Aerial Photograph Archive.

USDA, 1984, Environmental Data Resources Aerial Photograph Archive.

USGS, 1996, Environmental Data Resources Aerial Photograph Archive.

USGS/DOQQ, 2002, Environmental Data Resources Aerial Photograph Archive.

USDA/NAIP, 2005, Environmental Data Resources Aerial Photograph Archive.

USDA/NAIP, 2009, Environmental Data Resources Aerial Photograph Archive.

USDA/NAIP, 2012, Environmental Data Resources Aerial Photograph Archive.

USDA/NAIP, 2016, Environmental Data Resources Aerial Photograph Archive.

USGS, 1901, Topographic Map, 30 Minute Series

USGS, 1940, Topographic Map, 15 Minute Series

USGS, 1944, Topographic Map, 15 Minute Series

USGS, 1955, Topographic Map, 7.5 Minute Series

USGS, 1957, Topographic Map, 15 Minute Series

USGS, 1972, Topographic Map, 7.5 Minute Series

USGS, 1978, Topographic Map, 7.5 Minute Series

USGS, 2012, Topographic Map, 7.5 Minute Series

## 13.0 LIMITATION AND EXCEPTIONS / USER RELIANCE

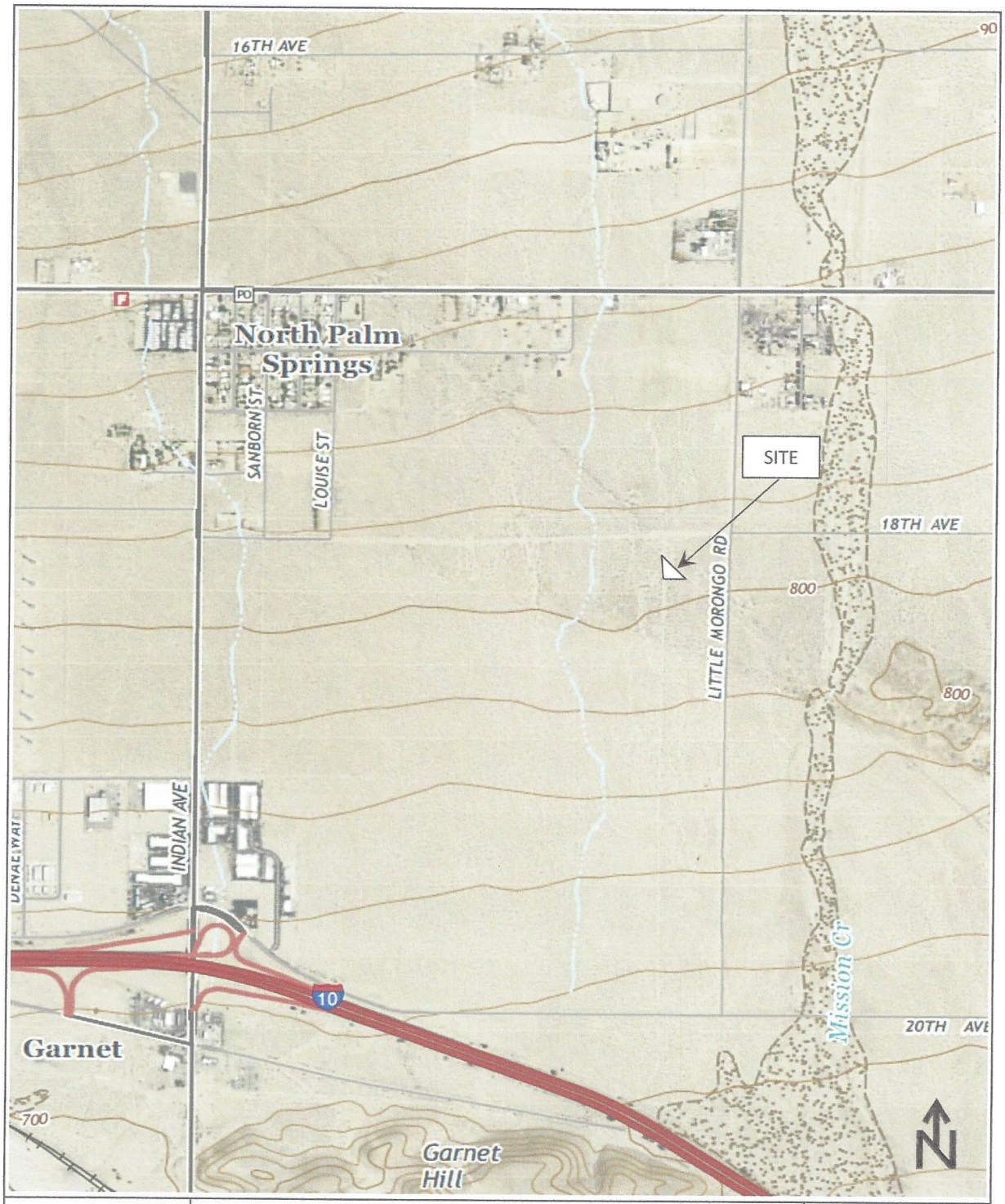
This assessment applies to the subject property in the City of Desert Hot Springs, Riverside County, California. The conclusions and recommendations rendered in this report are opinions based on readily available and reasonably ascertainable information obtained to date within the scope of work authorized by the client. Use of or reliance on the information and opinions contained in this letter by other parties without consulting this office is at those parties own risk.

It should be noted that any level of assessment cannot ascertain that a property is completely free of chemical or toxic substances; therefore, Sladden Engineering cannot offer the certification of a "clean" property. We believe the scope of work performed has been appropriate to allow an owner, prospective buyer, or seller to make an informed business decision.

The results contained in this report are based upon the information acquired during our assessment. It is possible that variations could exist beyond or between points explored during the course of the

investigation. Also, changes in conditions found could occur at some time in the future due to contaminant migration, variations in rainfall, temperature, and/or other factors not apparent at the time of the field investigation.

The services performed by Sladden Engineering have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in this region. No other warranty is expressed or implied.



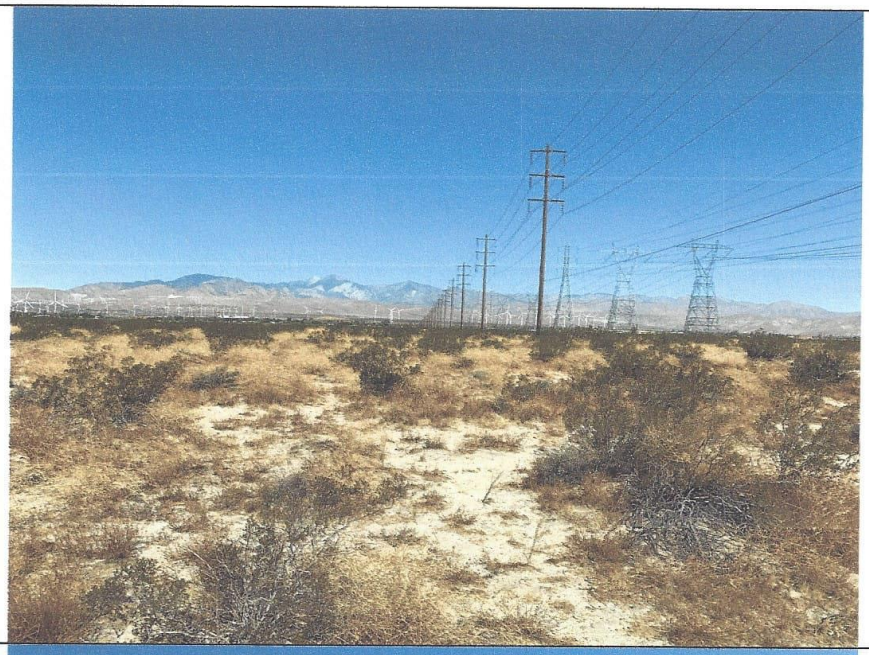
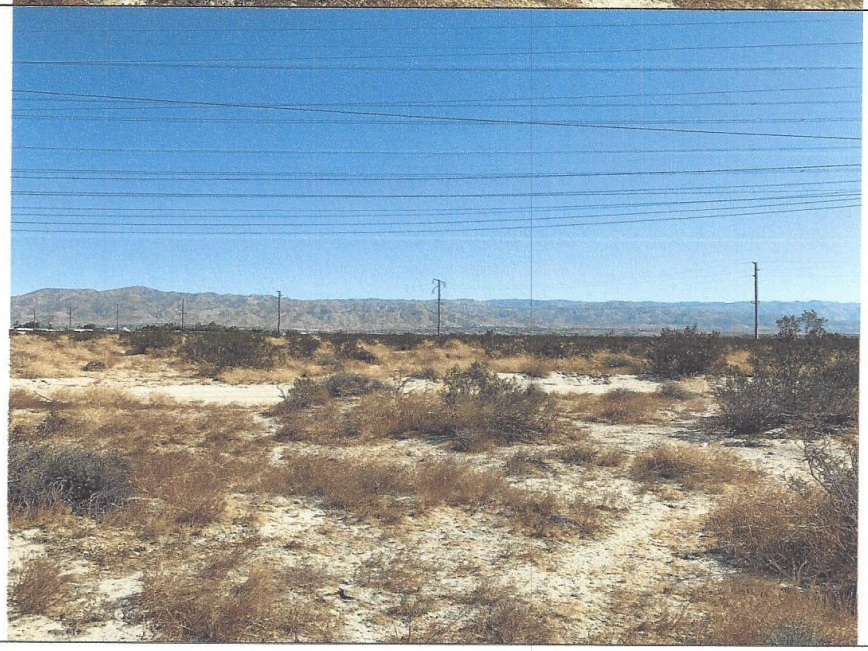

| | SITE LOCATION MAP | | FIGURE |
|---|---|---|---|
| Sladden Engineering | Project Number: | 544-19299 | 1 |
| | Report Number: | 19-09-428 | |
| | Date: | September 23, 2019 | |

## APPENDIX A

## PHOTOGRAPHS OF PROPERTY

**Sladden Engineering**
45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

| | |
|---|---|
| **Client: Mr. Elias Malouf** | **Project Number: 544-19299** |
| **Project Name: Proposed Industrial Building** | **Site Location: APN 666-305-033** |

| | |
|---|---|
| **Photograph Number:** 1 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** Northwest<br>**Comments:** View to the northwest from near the southeastern property corner. Overhead power lines are visible to the northeast (right). |  |
| **Photograph Number:** 2 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** Northeast<br>**Comments:** View to the northeast form the southeast property corner. |  |

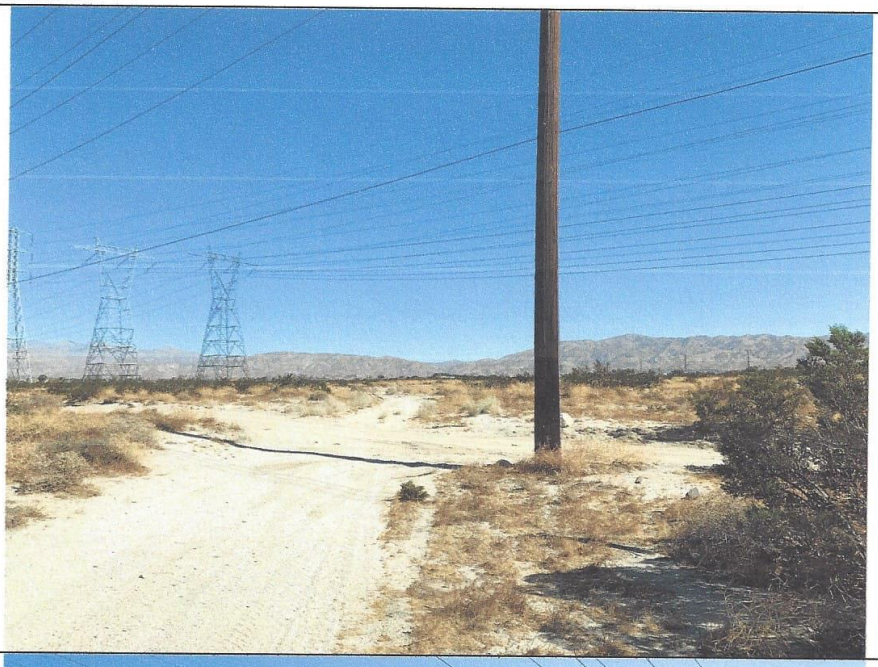
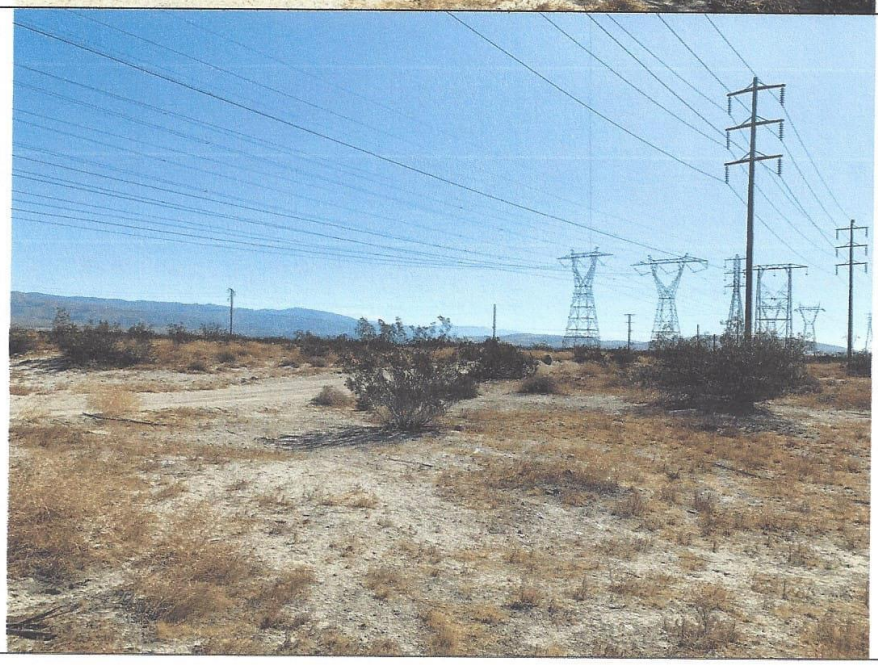
**Sladden Engineering**
**45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847**
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
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| | |
|---|---|
| **Client: Mr. Elias Malouf** | **Project Number: 544-19299** |
| **Project Name: Proposed Industrial Building** | **Site Location: APN 666-305-033** |

| | |
|---|---|
| **Photograph Number:** 3 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** Southeast<br>**Comments:** View from the southeastern property corner. |  |
| **Photograph Number:** 4 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** West<br>**Comments:** Facing west near the southeastern property corner. The subject property is located to the north (right). |  |

**Sladden Engineering**
45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
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800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

| | |
|---|---|
| **Client: Mr. Elias Malouf** | **Project Number: 544-19299** |
| **Project Name: Proposed Industrial Building** | **Site Location: APN 666-305-033** |

| | |
|---|---|
| **Photograph Number:** 5 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** North<br>**Comments:** View from the northern property corner towards offsite power transmission lines. |  |
| **Photograph Number:** 6 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** East<br>**Comments:** View to the east from the northern property corner. The subject property is located to the south (right). |  |

**Sladden Engineering**
45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

**Client: Mr. Elias Malouf** — **Project Number: 544-19299**

**Project Name: Proposed Industrial Building** — **Site Location: APN 666-305-033**

| | |
|---|---|
| **Photograph Number:** 7 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** South<br>**Comments:** View along unimproved dirt road that generally forms the western limits of the property. The subject site is located to the east (left). |  |
| **Photograph Number:** 8 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** West<br>**Comments:** Facing west towards adjacent property. Photograph taken from near the northern property corner. |  |

**Sladden Engineering**
**45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847**
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

**Client: Mr. Elias Malouf** | **Project Number: 544-19299**

**Project Name: Proposed Industrial Building** | **Site Location: APN 666-305-033**

| | |
|---|---|
| **Photograph Number:** 9 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** Southeast<br>**Comments:** Cans and debris located near the western property limits. |  |
| **Photograph Number:** 10 of 14<br>**Date:** September 23, 2019<br>**Facing Direction:** Southeast<br>**Comments:** Concrete debris located near the southwestern property corner. |  |

**Sladden Engineering**
45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

**Client: Mr. Elias Malouf** | **Project Number: 544-19299**

**Project Name: Proposed Industrial Building** | **Site Location: APN 666-305-033**

**Photograph Number:** 11 of 14

**Date:** September 23, 2019

**Facing Direction:** North

**Comments:** View to the north from the southwest property corner.



**Photograph Number:** 12 of 14

**Date:** September 23, 2019

**Facing Direction:** Southeast

**Comments:** View to the southeast from near the southwestern property corner. Concrete debris is visible in the foreground and power transmission lines are visible in the distance.



**Sladden Engineering**
**45090 Golf Center Parkway, Suite F, Indio, CA. 92201 (760) 863-0713 Fax (760) 863-0847**
6782 Stanton Avenue, Suite C, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

**Client: Mr. Elias Malouf** | **Project Number: 544-19299**

**Project Name: Proposed Industrial Building** | **Site Location: APN 666-305-033**

**Photograph Number:**
13 of 14

**Date:**
September 23, 2019

**Facing Direction:**
North

**Comments:**
View to the north from the central portion of the property.



**Photograph Number:**
14 of 14

**Date:**
September 23, 2019

**Facing Direction:**
South

**Comments:**
Facing south near the central portion of the property.



## APPENDIX B

## ENVIRONMENTAL DATABASE REPORT

**Little Morongo Road**
South of 18th Avenue and West of Little Morongo Ro
Desert Hot Springs, CA 92240

Inquiry Number: 5791938.2s
September 17, 2019




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

FORM-LBC-LMI

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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

SOUTH OF 18TH AVENUE AND WEST OF LITTLE MORONGO RO
DESERT HOT SPRINGS, CA 92240

### COORDINATES

| | |
|---|---|
| Latitude (North): | 33.9162360 - 33° 54' 58.44" |
| Longitude (West): | 116.5296530 - 116° 31' 46.75" |
| Universal Tranverse Mercator: | Zone 11 |
| UTM X (Meters): | 543479.2 |
| UTM Y (Meters): | 3752773.8 |
| Elevation: | 806 ft. above sea level |

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|---|---|
| Target Property Map: | 5641202 DESERT HOT SPRINGS, CA |
| Version Date: | 2012 |

## AERIAL PHOTOGRAPHY IN THIS REPORT

| | |
|---|---|
| Portions of Photo from: | 20140521 |
| Source: | USDA |

MAPPED SITES SUMMARY

Target Property Address:
SOUTH OF 18TH AVENUE AND WEST OF LITTLE MORONGO RO
DESERT HOT SPRINGS, CA 92240

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|

NO MAPPED SITES FOUND

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## 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
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

## EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

***Federal ERNS list***

ERNS..... Emergency Response Notification System

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

RESPONSE..... State Response Sites

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

ENVIROSTOR..... EnviroStor Database

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

SWF/LF..... Solid Waste Information System

***State and tribal leaking storage tank lists***

LUST..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

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

FEMA UST..... Underground Storage Tank Listing
UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfieds Sites Listing

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

## EXECUTIVE SUMMARY

ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

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

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
CERS HAZ WASTE ---------- CERS HAZ WASTE
US CDL ---------- National Clandestine Laboratory Register
PFAS ---------- PFAS Contamination Site Location Listing

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

SWEEPS UST ---------- SWEEPS UST Listing
HIST UST ---------- Hazardous Substance Storage Container Database
CERS TANKS ---------- California Environmental Reporting System (CERS) Tanks
CA FID UST ---------- Facility Inventory Database

***Local Land Records***

LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information
DEED ---------- Deed Restriction Listing

***Records of Emergency Release Reports***

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

***Other Ascertainable Records***

RCRA NonGen / NLR ---------- RCRA - Non Generators / No Longer Regulated
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)

## EXECUTIVE SUMMARY

MLTS---------- Material Licensing Tracking System
COAL ASH DOE---------- Steam-Electric Plant Operation Data
COAL ASH EPA---------- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER---------- PCB Transformer Registration Database
RADINFO---------- Radiation Information Database
HIST FTTS---------- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS---------- Incident and Accident Data
CONSENT---------- Superfund (CERCLA) Consent Decrees
INDIAN RESERV---------- Indian Reservations
FUSRAP---------- Formerly Utilized Sites Remedial Action Program
UMTRA---------- Uranium Mill Tailings Sites
LEAD SMELTERS---------- Lead Smelter Sites
US AIRS---------- Aerometric Information Retrieval System Facility Subsystem
US MINES---------- Mines Master Index File
ABANDONED MINES---------- Abandoned Mines
FINDS---------- Facility Index System/Facility Registry System
DOCKET HWC---------- Hazardous Waste Compliance Docket Listing
UXO---------- Unexploded Ordnance Sites
ECHO---------- Enforcement & Compliance History Information
FUELS PROGRAM---------- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN---------- Bond Expenditure Plan
Cortese---------- "Cortese" Hazardous Waste & Substances Sites List
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
HIST CORTESE---------- Hazardous Waste & Substance Site 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
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
CERS---------- CERS
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)

**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 not identified.

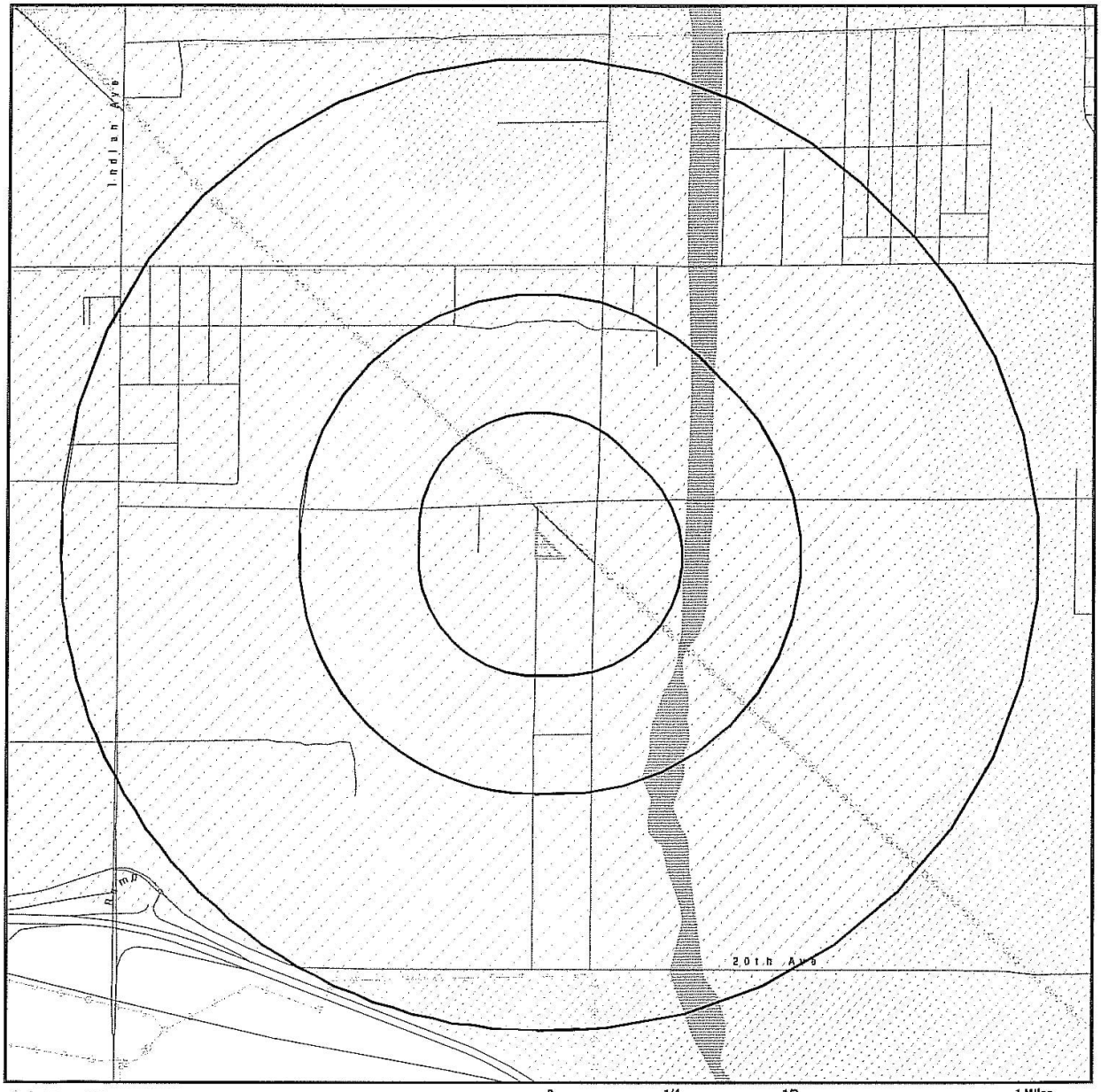
Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

| Site Name | Database(s) |
|---|---|
| | CDL |
| | CDL |
| | CDL |
| | CDL |
| | CDL |
| | CDL |

## OVERVIEW MAP - 5791938.2S



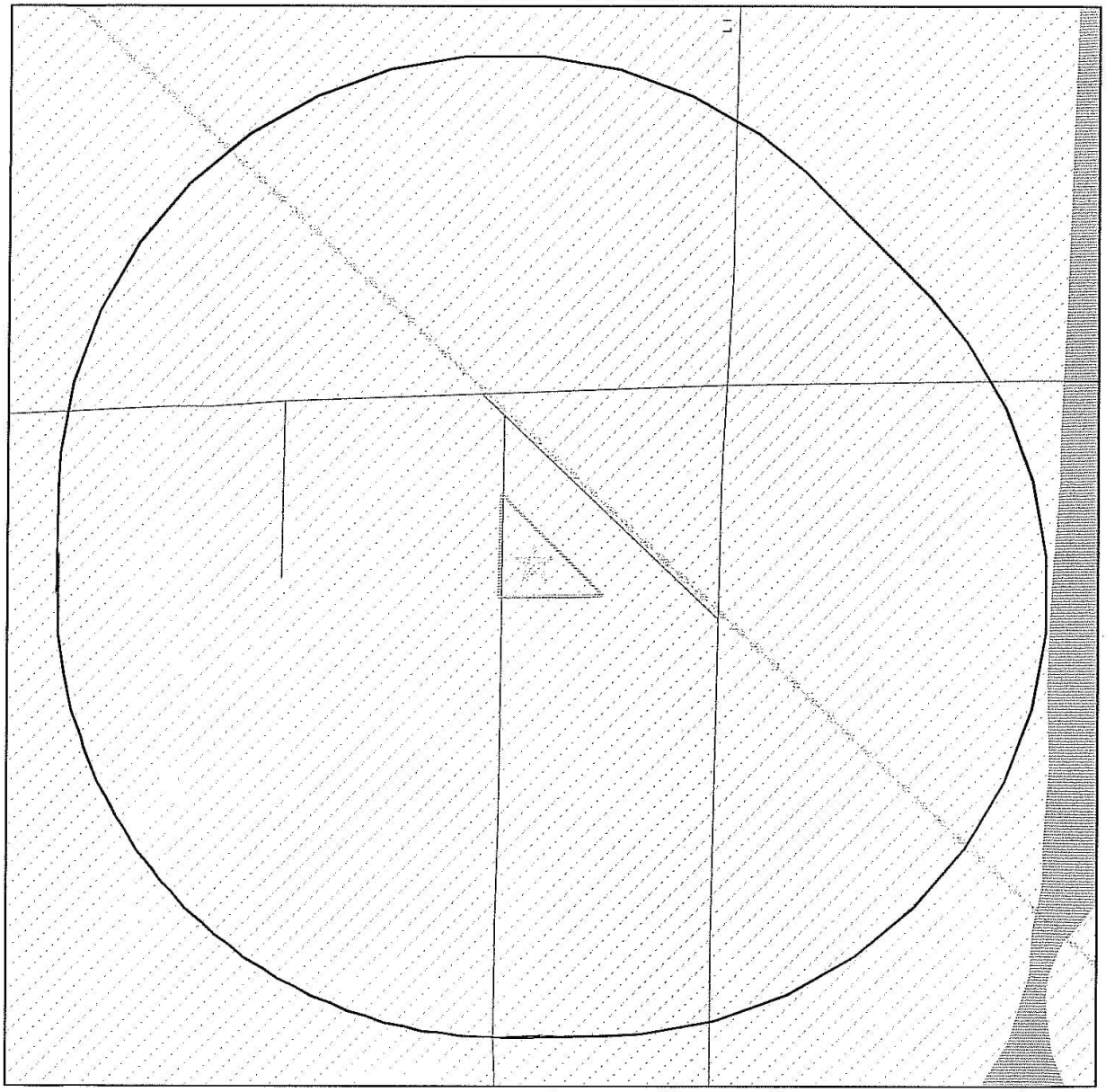

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

| | | | |
|---|---|---|---|
| SITE NAME: | Little Morongo Road | CLIENT: | Proterra Consulting Inc. |
| ADDRESS: | South of 18th Avenue and West of Little Morongo Ro<br>Desert Hot Springs CA 92240 | CONTACT: | Frank Tam |
| | | INQUIRY #: | 5791938.2s |
| LAT/LONG: | 33.916236 / 116.529653 | DATE: | September 17, 2019 11:19 am |

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## DETAIL MAP - 5791938.2S



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

0 1/16 1/8 1/4 Miles

Indian Reservations BIA
Power transmission lines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

Areas of Concern

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

| | | | |
|---|---|---|---|
| SITE NAME: | Little Morongo Road | CLIENT: | Proterra Consulting Inc. |
| ADDRESS: | South of 18th Avenue and West of Little Morongo Ro<br>Desert Hot Springs CA 92240 | CONTACT: | Frank Tam |
| | | INQUIRY #: | 5791938.2s |
| LAT/LONG: | 33.916236 / 116.529653 | DATE: | September 17, 2019 11:23 am |

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## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CPS-SLIC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| WMUDS/SWAT | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HAULERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST Cal-Sites | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCH | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| Toxic Pits | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| CERS HAZ WASTE | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| US CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| SWEEPS UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| HIST UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CERS TANKS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA FID UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| LIENS | 0.001 | | 0 | NR | NR | NR | NR | 0 |

## MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| LIENS 2 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DEED | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CHMIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| LDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MCS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SPILLS 90 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| TRIS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SSTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RAATS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PRP | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PADS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ICIS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MLTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH DOE | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RADINFO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DOT OPS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| US AIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DOCKET HWC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ECHO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA BOND EXP. PLAN | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Cortese | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| 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 | 0 | 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 |
| 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 | | 0 | NR | NR | NR | NR | 0 |
| 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 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR Hist Auto | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| RGA LF | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RGA LUST | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| - Totals -- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

| Map ID<br>Direction<br>Distance<br>Elevation | Site | Database(s) | EDR ID Number<br>EPA ID Number |
|---|---|---|---|

NO SITES FOUND

ORPHAN SUMMARY

Count: 6 records.

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| DESERT HOT SPRINGS | S107539672 | | 13TH AVE, 100 YDS W OF INDIAN | 92240 | CDL |
| DESERT HOT SPRINGS | S107538318 | | DOWELL LN, 100 YDS S OF DILLIO | 92240 | CDL |
| DESERT HOT SPRINGS | S107526558 | | 1 MI E OF HWY 62 ON INDIAN AVE | 92240 | CDL |
| DESERT HOT SPRINGS | S108723917 | | PALM DR, 100 YARDS S OF DILLON | 92240 | CDL |
| RIVERSIDE COUNTY | S107541240 | | WINEVILLE, SW CORNER OF GAGELE | | CDL |
| SKY VALLEY | S107539508 | | NEAR CORNER OF LYONS BLVD & QU | 92240 | 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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System
SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

***Federal institutional controls / engineering controls registries***

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST: 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 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 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 42

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/05/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/20/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

***State and tribal Brownfields sites***

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/30/2019
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: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

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

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 06/28/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

***Local Land Records***

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 49

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
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: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/07/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/18/2019
Next Scheduled EDR Contact: 09/30/2019
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
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: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 11/04/2019
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: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/02/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

## 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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 04/01/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 100

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
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: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
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: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
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: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

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: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
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: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
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: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
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: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
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
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

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: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 04/18/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 11

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/15/2019
Next Scheduled EDR Contact: 11/25/2019
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 03/19/2019
Date Data Arrived at EDR: 03/22/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 18

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 09/30/2019
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: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
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: 04/08/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/17/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 06/17/2019
Date Data Arrived at EDR: 06/18/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**COUNTY RECORDS**

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 70

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 04/24/2047
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: 06/27/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 27

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/22/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/11/2019
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: 02/20/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 47

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/11/2019
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: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/19/2019
Next Scheduled EDR Contact: 12/02/2019
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: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/16/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 13

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/30/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 53

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 66

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
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: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/04/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 05/28/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 67

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/23/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/12/2019
Number of Days to Update: 69

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 18

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 05/06/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 09/13/2019
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 48

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/16/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/31/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 09/11/2019
Next Scheduled EDR Contact: 12/29/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/06/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 1

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/19/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 60

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
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: 07/23/2019
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/03/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 49

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/28/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 05/09/2019
Date Data Arrived at EDR: 05/10/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 68

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 07/31/2019
Next Scheduled EDR Contact: 11/04/2019
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: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
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: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 35

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 42

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 06/26/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/31/2019
Number of Days to Update: 33

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

LITTLE MORONGO ROAD
SOUTH OF 18TH AVENUE AND WEST OF LITTLE MORONGO RO
DESERT HOT SPRINGS, CA 92240

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 33.916236 - 33° 54' 58.45" |
| Longitude (West): | 116.529653 - 116° 31' 46.75" |
| Universal Tranverse Mercator: | Zone 11 |
| UTM X (Meters): | 543479.2 |
| UTM Y (Meters): | 3752773.8 |
| Elevation: | 806 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 5641202 DESERT HOT SPRINGS, 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).

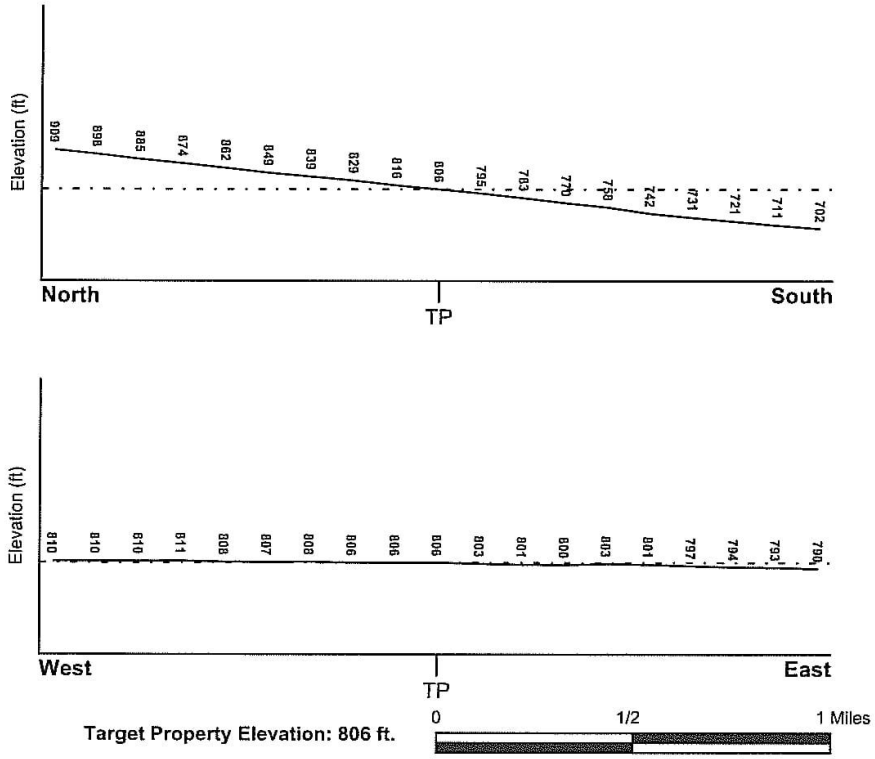
**TOPOGRAPHIC INFORMATION**

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 South

**SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**




Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

| Flood Plain Panel at Target Property | FEMA Source Type |
|---|---|
| 06065C0895G | FEMA FIRM Flood data |

| Additional Panels in search area: | FEMA Source Type |
|---|---|
| Not Reported | |

## NATIONAL WETLAND INVENTORY

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| DESERT HOT SPRINGS | YES - refer to the Overview Map and Detail Map |

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

***Site-Specific Hydrogeological Data*:***

| | |
|---|---|
| Search Radius: | 1.25 miles |
| Status: | Not found |

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| Not Reported | | |

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

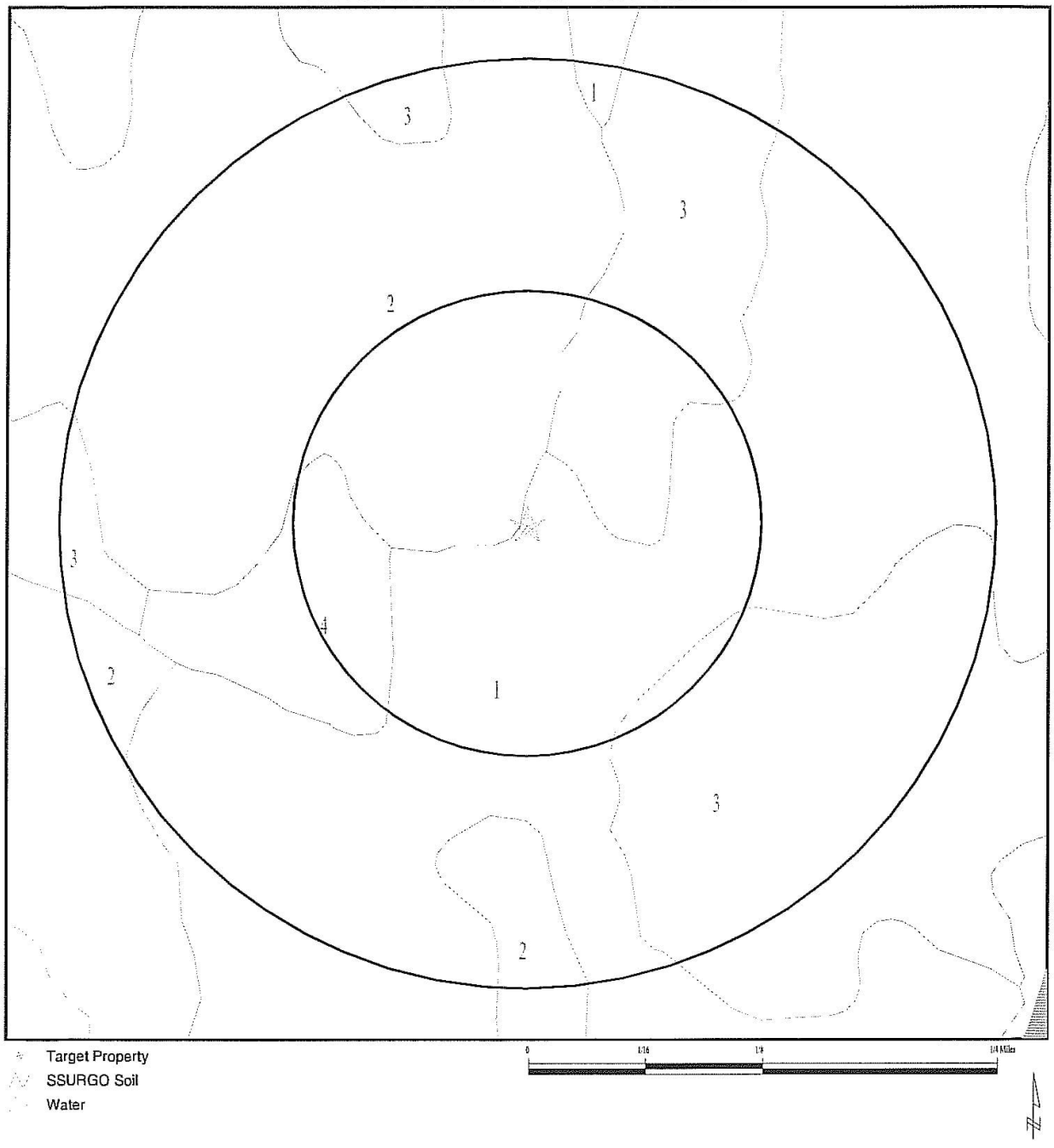
| | |
|---|---|
| Era: | Cenozoic |
| System: | Quaternary |
| Series: | Quaternary |
| Code: | Q *(decoded above as Era, System & Series)* |

**GEOLOGIC AGE IDENTIFICATION**

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## SSURGO SOIL MAP - 5791938.2s




| | | | |
|---|---|---|---|
| SITE NAME: | Little Morongo Road | CLIENT: | Proterra Consulting Inc. |
| ADDRESS: | South of 18th Avenue and West of Little Morongo Ro<br>Desert Hot Springs CA 92240 | CONTACT: | Frank Tam |
| | | INQUIRY #: | 5791938.2s |
| LAT/LONG: | 33.916236 / 116.529653 | DATE: | September 17, 2019 11:24 am |

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## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

---

**Soil Map ID: 1**

Soil Component Name: Carsitas

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | fine sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.9 |
| 2 | 9 inches | 59 inches | gravelly sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.9 |

---

**Soil Map ID: 2**

Soil Component Name: Carsitas

Soil Surface Texture: gravelly sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**Soil Layer Information**

| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
|---|---|---|---|---|---|---|---|
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | gravelly sand | Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.9 |
| 2 | 9 inches | 59 inches | gravelly sand | Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.9 |

---

**Soil Map ID: 3**

Soil Component Name: Myoma

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 18 inches | fine sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 9 Min: 7.9 |
| 2 | 18 inches | 59 inches | sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 9 Min: 7.9 |

**Soil Map ID: 4**

Soil Component Name: Myoma

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 18 inches | fine sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 9 Min: 7.9 |

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 2 | 18 inches | 59 inches | sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 9 Min: 7.9 |

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

### FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 4 | USGS40000138985 | 1/2 - 1 Mile WNW |
| 5 | USGS40000139059 | 1/2 - 1 Mile NW |
| 6 | USGS40000139035 | 1/2 - 1 Mile WNW |
| 10 | USGS40000138894 | 1/2 - 1 Mile SSE |
| 11 | USGS40000139060 | 1/2 - 1 Mile NW |

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No PWS System Found | | |

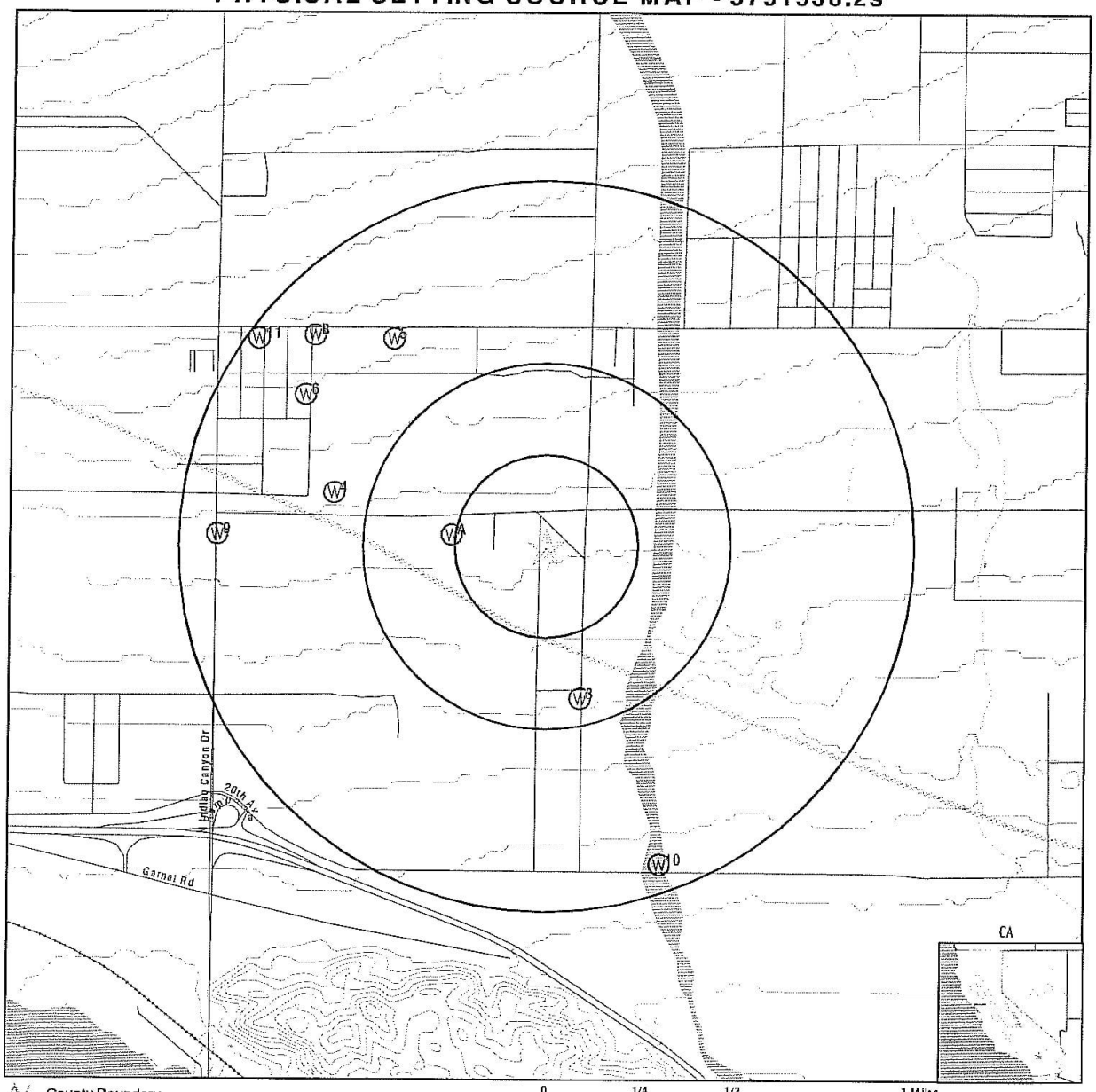
Note: PWS System location is not always the same as well location.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | 3501 | 1/4 - 1/2 Mile West |
| A2 | 3504 | 1/4 - 1/2 Mile West |
| 3 | CADWR8000006071 | 1/4 - 1/2 Mile SSE |
| B7 | 3503 | 1/2 - 1 Mile NW |
| B8 | 3502 | 1/2 - 1 Mile NW |
| 9 | 2445 | 1/2 - 1 Mile West |

## PHYSICAL SETTING SOURCE MAP - 5791938.2s




- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

| | |
|---|---|
| SITE NAME: Little Morongo Road<br>ADDRESS: South of 18th Avenue and West of Little Morongo Ro<br>Desert Hot Springs CA 92240<br>LAT/LONG: 33.916236 / 116.529653 | CLIENT: Proterra Consulting Inc.<br>CONTACT: Frank Tam<br>INQUIRY #: 5791938.2s<br>DATE: September 17, 2019 11:23 am |

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## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **A1** **West** **1/4 - 1/2 Mile** **Higher** | **CA WELLS** | **3501** |

| | | | |
|---|---|---|---|
| Seq: | 3501 | Prim sta c: | 03S/04E-11K02 S |
| Frds no: | 3310008005 | County: | 33 |
| District: | 14 | User id: | WAT |
| System no: | 3310008 | Water type: | G |
| Source nam: | WELL 16 - DESTROYED | Station ty: | WELL/AMBNT/MUN/INTAKE/SUPPLY |
| Latitude: | 335500.0 | Longitude: | 1163200.0 |
| 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: | 3310008 | System nam: | Mission Springs WD |
| Hqname: | Not Reported | Address: | 66-575 Second Street |
| City: | Desert Hot Springs | State: | CA |
| Zip: | 92240 | Zip ext: | Not Reported |
| Pop serv: | 24195 | Connection: | 7332 |
| Area serve: | MISSION CREEK/DESERT HOT SPGS | | |

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| | | |
|---|---|---|
| **A2** **West** **1/4 - 1/2 Mile** **Higher** | **CA WELLS** | **3504** |

| | | | |
|---|---|---|---|
| Seq: | 3504 | Prim sta c: | 03S/04E-11M01 S |
| Frds no: | 3310008007 | County: | 33 |
| District: | 14 | User id: | WAT |
| System no: | 3310008 | Water type: | G |
| Source nam: | WELL 21 - DESTROYED | Station ty: | WELL/AMBNT/MUN/INTAKE/SUPPLY |
| Latitude: | 335500.0 | Longitude: | 1163200.0 |
| 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: | 3310008 | System nam: | Mission Springs WD |
| Hqname: | Not Reported | Address: | 66-575 Second Street |
| City: | Desert Hot Springs | State: | CA |
| Zip: | 92240 | Zip ext: | Not Reported |
| Pop serv: | 24195 | Connection: | 7332 |
| Area serve: | MISSION CREEK/DESERT HOT SPGS | | |

---

| | | |
|---|---|---|
| **3** **SSE** **1/4 - 1/2 Mile** **Lower** | **CA WELLS** | **CADWR8000006071** |

| | | | |
|---|---|---|---|
| State Well #: | 03S04E14J001S | Station ID: | 50683 |
| Well Name: | Well 33-Garnet Basin | Well Use: | Other |
| Well Type: | Single Well | Well Depth: | 670 |
| Basin Name: | Indio | Well Completion Rpt #: | 0907821 |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **4**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Higher** | **FED USGS** | **USGS40000138985** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 003S004E11P001S | Type: | Well |
| Description: | Not Reported | HUC: | 18100200 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Units: | Not Reported |
| Aquifer: | Basin and Range basin-fill aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

---

| | | |
|---|---|---|
| **5**<br>**NW**<br>**1/2 - 1 Mile**<br>**Higher** | **FED USGS** | **USGS40000139059** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 003S004E11L002S | Type: | Well |
| Description: | Not Reported | HUC: | 18100200 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Units: | Not Reported |
| Aquifer: | Basin and Range basin-fill aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

---

| | | |
|---|---|---|
| **6**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Higher** | **FED USGS** | **USGS40000139035** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 003S004E11M001S | Type: | Well |
| Description: | Not Reported | HUC: | 18100200 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Units: | Not Reported |
| Aquifer: | Basin and Range basin-fill aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 290 |
| Well Depth Units: | ft | Well Hole Depth: | 296 |
| Well Hole Depth Units: | ft | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **B7**<br>**NW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **3503** |

| | | | |
|---|---|---|---|
| Seq: | 3503 | Prim sta c: | 03S/04E-11L04 S |
| Frds no: | 3310008017 | County: | 33 |
| District: | 14 | User id: | WAT |
| System no: | 3310008 | Water type: | G |
| Source nam: | WELL 31 | Station ty: | WELL/AMBNT/MUN/INTAKE |
| Latitude: | 335527.0 | Longitude: | 1163223.0 |
| Precision: | 1 | Status: | AU |
| Comment 1: | Not Reported | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |
| | | | |
| System no: | 3310008 | System nam: | Mission Springs WD |
| Hqname: | Not Reported | Address: | 66-575 Second Street |
| City: | Desert Hot Springs | State: | CA |
| Zip: | 92240 | Zip ext: | Not Reported |
| Pop serv: | 24195 | Connection: | 7332 |
| Area serve: | MISSION CREEK/DESERT HOT SPGS | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 0.77 |
| Chemical: | NITRATE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 0.77 |
| Chemical: | NITRATE + NITRITE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 11.7 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 0.5 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 280. |
| Chemical: | TOTAL DISSOLVED SOLIDS | Report units: | MG/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 2.3 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 13. |
| Chemical: | CHROMIUM (TOTAL) | Report units: | UG/L |
| Dlr: | 10. | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 11. |
| Chemical: | CHROMIUM, HEXAVALENT | Report units: | UG/L |
| Dlr: | 1. | | |
| | | | |
| Sample date: | 06-JUN-17 | Finding: | 0.62 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |
| Dlr: | 0.1 | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 06-JUN-17 | Finding: | 93. |
| Chemical: | SULFATE | Report units: | MG/L |
| Dlr: | 0.5 | | |
| Sample date: | 06-JUN-17 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 460. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 7.8 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 100. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 120. |
| Chemical: | BICARBONATE ALKALINITY | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 2.4 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 97. |
| Chemical: | HARDNESS (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 31. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 5. |
| Chemical: | MAGNESIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 62. |
| Chemical: | SODIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 6.8 |
| Chemical: | POTASSIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 06-JUN-17 | Finding: | 16. |
| Chemical: | CHLORIDE | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 0.363 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 0.236 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 0.144 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 1.7 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 0.82 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 17-APR-17 | Finding: | 2.2 |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 17-APR-17 | Finding: | 1.7 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 12-SEP-16 | Finding: | 0.73 |
| Chemical: | NITRATE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 24-FEB-16 | Finding: | 0.72 |
| Chemical: | NITRATE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 09-JUL-14 | Finding: | 77. |
| Chemical: | HARDNESS (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 1. |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 570. |
| Chemical: | NITRATE + NITRITE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 09-JUL-14 | Finding: | 11.81 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 2.5 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 09-JUL-14 | Finding: | 0.6 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 290. |
| Chemical: | TOTAL DISSOLVED SOLIDS | Report units: | MG/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 09-JUL-14 | Finding: | 1.2 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 0.68 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |
| Dlr: | 0.1 | | |
| Sample date: | 09-JUL-14 | Finding: | 4.9 |
| Chemical: | CHROMIUM, HEXAVALENT | Report units: | UG/L |
| Dlr: | 1. | | |
| Sample date: | 09-JUL-14 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 470. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 8.1 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 84. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 100. |
| Chemical: | BICARBONATE ALKALINITY | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 24. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 3.9 |
| Chemical: | MAGNESIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 68. |
| Chemical: | SODIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 6.8 |
| Chemical: | POTASSIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 14. |
| Chemical: | CHLORIDE | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 120. |
| Chemical: | SULFATE | Report units: | MG/L |
| Dlr: | 0.5 | | |
| Sample date: | 13-JAN-14 | Finding: | 2.6 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 09-JUL-12 | Finding: | 11.83 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 8.3 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 2.e-002 |
| Chemical: | LANGELIER INDEX AT SOURCE TEMP. | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 0.62 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 18. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 74. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 480. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 2.3 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |

---

**B8**
**NW**
**1/2 - 1 Mile**
**Higher**

**CA WELLS 3502**

| | | | |
|---|---|---|---|
| Seq: | 3502 | Prim sta c: | 03S/04E-11L02 S |
| Frds no: | 3310008013 | County: | 33 |
| District: | 14 | User id: | WAT |
| System no: | 3310008 | Water type: | G |
| Source nam: | WELL 27 | Station ty: | WELL/AMBNT/MUN/INTAKE |
| Latitude: | 335530.0 | Longitude: | 1163224.0 |
| Precision: | 2 | Status: | AU |
| Comment 1: | Not Reported | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |
| System no: | 3310008 | System nam: | Mission Springs WD |
| Hqname: | Not Reported | Address: | 66-575 Second Street |
| City: | Desert Hot Springs | State: | CA |
| Zip: | 92240 | Zip ext: | Not Reported |
| Pop serv: | 24195 | Connection: | 7332 |
| Area serve: | MISSION CREEK/DESERT HOT SPGS | | |
| Sample date: | 01-JUN-17 | Finding: | 7.4 |
| Chemical: | POTASSIUM | Report units: | MG/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 01-JUN-17 | Finding: | 1.7 |
| Chemical: | NITRATE + NITRITE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 01-JUN-17 | Finding: | 11.76 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 490. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 7.7 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 130. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 160. |
| Chemical: | BICARBONATE ALKALINITY | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 1.7 |
| Chemical: | NITRATE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 01-JUN-17 | Finding: | 120. |
| Chemical: | HARDNESS (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 38. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 5.7 |
| Chemical: | MAGNESIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 55. |
| Chemical: | SODIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 2.2 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 37. |
| Chemical: | CHLORIDE | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 46. |
| Chemical: | SULFATE | Report units: | MG/L |
| Dlr: | 0.5 | | |
| Sample date: | 01-JUN-17 | Finding: | 0.53 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0.1 | | |
| Sample date: | 01-JUN-17 | Finding: | 12. |
| Chemical: | CHROMIUM, HEXAVALENT | Report units: | UG/L |
| Dlr: | 1. | | |
| Sample date: | 01-JUN-17 | Finding: | 17. |
| Chemical: | CHROMIUM (TOTAL) | Report units: | UG/L |
| Dlr: | 10. | | |
| Sample date: | 01-JUN-17 | Finding: | 2.2 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 280. |
| Chemical: | TOTAL DISSOLVED SOLIDS | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 0.55 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-17 | Finding: | 0.2 |
| Chemical: | TURBIDITY, LABORATORY | Report units: | NTU |
| Dlr: | 0.1 | | |
| Sample date: | 13-APR-15 | Finding: | 0.3 |
| Chemical: | TURBIDITY, LABORATORY | Report units: | NTU |
| Dlr: | 0.1 | | |
| Sample date: | 29-DEC-14 | Finding: | 14. |
| Chemical: | CHROMIUM, HEXAVALENT | Report units: | UG/L |
| Dlr: | 1. | | |
| Sample date: | 09-JUL-14 | Finding: | 12. |
| Chemical: | CHROMIUM, HEXAVALENT | Report units: | UG/L |
| Dlr: | 1. | | |
| Sample date: | 09-JUL-14 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 490. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 8. |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 130. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 160. |
| Chemical: | BICARBONATE ALKALINITY | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 130. |
| Chemical: | HARDNESS (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 09-JUL-14 | Finding: | 43. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 6.1 |
| Chemical: | MAGNESIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 52. |
| Chemical: | SODIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 7.9 |
| Chemical: | POTASSIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 27. |
| Chemical: | CHLORIDE | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 70. |
| Chemical: | SULFATE | Report units: | MG/L |
| Dlr: | 0.5 | | |
| Sample date: | 09-JUL-14 | Finding: | 0.62 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |
| Dlr: | 0.1 | | |
| Sample date: | 09-JUL-14 | Finding: | 12. |
| Chemical: | CHROMIUM (TOTAL) | Report units: | UG/L |
| Dlr: | 10. | | |
| Sample date: | 09-JUL-14 | Finding: | 6.2 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dlr: | 3. | | |
| Sample date: | 09-JUL-14 | Finding: | 1.6 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 4. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 09-JUL-14 | Finding: | 280. |
| Chemical: | TOTAL DISSOLVED SOLIDS | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 0.96 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 0.36 |
| Chemical: | LANGELIER INDEX AT SOURCE TEMP. | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 5.5 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 09-JUL-14 | Finding: | 0.2 |
| Chemical: | TURBIDITY, LABORATORY | Report units: | NTU |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0.1 | | |
| Sample date: | 09-JUL-14 | Finding: | 12.17 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 0.89 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 1300. |
| Chemical: | NITRATE + NITRITE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 09-JUL-14 | Finding: | 1.1 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 13-JAN-14 | Finding: | 5.1 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 09-JUL-12 | Finding: | 8.1 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 120. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 41. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 0.37 |
| Chemical: | LANGELIER INDEX AT SOURCE TEMP. | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 4.3 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 09-JUL-12 | Finding: | 12.19 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 480. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 0.98 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **9**<br>**West**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **2445** |

| | | | |
|---|---|---|---|
| Seq: | 2445 | Prim sta c: | 02S/04E-26D01 S |
| Frds no: | 3310008014 | County: | 33 |
| District: | 14 | User id: | WAT |
| System no: | 3310008 | Water type: | G |
| Source nam: | WELL 28 | Station ty: | WEL/AMBNT/MUN/INTAKE |
| Latitude: | 335500.0 | Longitude: | 1163240.0 |
| Precision: | 2 | Status: | AU |
| Comment 1: | Not Reported | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |
| | | | |
| System no: | 3310008 | System nam: | Mission Springs WD |
| Hqname: | Not Reported | Address: | 66-575 Second Street |
| City: | Desert Hot Springs | State: | CA |
| Zip: | 92240 | Zip ext: | Not Reported |
| Pop serv: | 24195 | Connection: | 7332 |
| Area serve: | MISSION CREEK/DESERT HOT SPGS | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 0.89 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 1.8 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 2.1 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 3.7e-002 |
| Chemical: | RADIUM 226 | Report units: | PCI/L |
| Dlr: | 1. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 7.3e-002 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 0.572 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| | | | |
| Sample date: | 05-MAR-18 | Finding: | 0.304 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 05-MAR-18 | Finding: | 0.4 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-MAR-18 | Finding: | 9.1 |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-MAR-18 | Finding: | 1.5 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-MAR-18 | Finding: | 5.3 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-DEC-17 | Finding: | 5.3 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-DEC-17 | Finding: | 2.5 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-DEC-17 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 04-DEC-17 | Finding: | 0.495 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-DEC-17 | Finding: | 0.342 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-DEC-17 | Finding: | 0.4 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-DEC-17 | Finding: | 6.1e-002 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 3.5 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 11-SEP-17 | Finding: | 1.8 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 2.3 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 8.9e-002 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 0.65 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 0.363 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 11-SEP-17 | Finding: | 0.384 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 2.3 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.63 |
| Chemical: | NITRATE + NITRITE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 05-JUN-17 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 12.14 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.29 |
| Chemical: | LANGELIER INDEX AT SOURCE TEMP. | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.89 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 610. |
| Chemical: | TOTAL DISSOLVED SOLIDS | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 14. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-JUN-17 | Finding: | 3.1 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 6.9 |
| Chemical: | VANADIUM | Report units: | UG/L |
| Dlr: | 3. | | |
| Sample date: | 05-JUN-17 | Finding: | 3.5 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 05-JUN-17 | Finding: | 15. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-JUN-17 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 2.7 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.89 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 7.9e-002 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 5.9e-002 |
| Chemical: | RADIUM 228 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.303 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.363 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 940. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 7.6 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 140. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 170. |
| Chemical: | BICARBONATE ALKALINITY | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 0.63 |
| Chemical: | NITRATE (AS N) | Report units: | MG/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0.4 | | |
| Sample date: | 05-JUN-17 | Finding: | 350. |
| Chemical: | HARDNESS (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 96. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 28. |
| Chemical: | MAGNESIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 57. |
| Chemical: | SODIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 9.9 |
| Chemical: | POTASSIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 80. |
| Chemical: | CHLORIDE | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 05-JUN-17 | Finding: | 220. |
| Chemical: | SULFATE | Report units: | MG/L |
| Dlr: | 0.5 | | |
| Sample date: | 05-JUN-17 | Finding: | 0.65 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |
| Dlr: | 0.1 | | |
| Sample date: | 05-JUN-17 | Finding: | 2.3 |
| Chemical: | CHROMIUM, HEXAVALENT | Report units: | UG/L |
| Dlr: | 1. | | |
| Sample date: | 06-MAR-17 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 06-MAR-17 | Finding: | 0.363 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 06-MAR-17 | Finding: | 0.385 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 06-MAR-17 | Finding: | 8.7e-002 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 06-MAR-17 | Finding: | 0.89 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 06-MAR-17 | Finding: | 2.8 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 06-MAR-17 | Finding: | 1.6 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 06-MAR-17 | Finding: | 15. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 06-MAR-17 | Finding: | 3.9 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 7.6 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dlr: | 3. | | |
| Sample date: | 05-DEC-16 | Finding: | 2.8 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-DEC-16 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 2.4 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 0.89 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 0.191 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 7.2e-002 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 0.48 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 0.363 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-DEC-16 | Finding: | 2.1e-002 |
| Chemical: | RADIUM 226 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 12-SEP-16 | Finding: | 0.68 |
| Chemical: | NITRATE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 07-SEP-16 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 07-SEP-16 | Finding: | 4.5 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-SEP-16 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 07-SEP-16 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-SEP-16 | Finding: | 3.2 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-SEP-16 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-SEP-16 | Finding: | 0.192 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-SEP-16 | Finding: | 4.1e-002 |
| Chemical: | RADIUM 228 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 07-SEP-16 | Finding: | 0.363 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-SEP-16 | Finding: | 0.471 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-16 | Finding: | 0.47 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-16 | Finding: | 0.559 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-16 | Finding: | 0.272 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-16 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-16 | Finding: | 2.8 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-16 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 01-JUN-16 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 01-JUN-16 | Finding: | 4.8 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-16 | Finding: | 0.253 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 0.47 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 0.464 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 0.163 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 3.7e-002 |
| Chemical: | RADIUM 226 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 07-MAR-16 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 0.267 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 1.6 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 07-MAR-16 | Finding: | 4.4 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-MAR-16 | Finding: | 3.2 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 24-FEB-16 | Finding: | 0.86 |
| Chemical: | NITRATE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 02-DEC-15 | Finding: | 0.47 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-15 | Finding: | 0.567 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 02-DEC-15 | Finding: | 3.5e-002 |
| Chemical: | RADIUM 228 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 02-DEC-15 | Finding: | 0.202 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-15 | Finding: | 7.3e-002 |
| Chemical: | RADIUM 226 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 02-DEC-15 | Finding: | 0.253 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-15 | Finding: | 2.8 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-15 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-15 | Finding: | 17. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 02-DEC-15 | Finding: | 4.1 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-15 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-SEP-15 | Finding: | 0.253 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-SEP-15 | Finding: | 0.47 |
| Chemical: | RADIUM 226 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-SEP-15 | Finding: | 0.462 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-SEP-15 | Finding: | 0.255 |
| Chemical: | RADIUM 226 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-SEP-15 | Finding: | 7.5e-002 |
| Chemical: | RADIUM 226 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 09-SEP-15 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 09-SEP-15 | Finding: | 1.8 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-SEP-15 | Finding: | 1.8 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-SEP-15 | Finding: | 18. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 09-SEP-15 | Finding: | 4. |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-15 | Finding: | 17. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 01-JUN-15 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-15 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-15 | Finding: | 0.597 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-15 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-15 | Finding: | 3.3e-002 |
| Chemical: | RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 01-JUN-15 | Finding: | 0.172 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-JUN-15 | Finding: | 0.418 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 02-MAR-15 | Finding: | 3.8 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-MAR-15 | Finding: | 19. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 02-MAR-15 | Finding: | 1.8 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-MAR-15 | Finding: | 0.47 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 02-MAR-15 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-MAR-15 | Finding: | 0.524 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-MAR-15 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-MAR-15 | Finding: | 0.108 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-MAR-15 | Finding: | 2.3 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 4.2 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 14. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 01-DEC-14 | Finding: | 1.6 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 1.8 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 0.55 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 0.253 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 0.174 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 01-DEC-14 | Finding: | 0.418 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 03-SEP-14 | Finding: | 5.7e-002 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 03-SEP-14 | Finding: | 0.253 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-SEP-14 | Finding: | 0.504 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-SEP-14 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-SEP-14 | Finding: | 2. |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-SEP-14 | Finding: | 0.322 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 03-SEP-14 | Finding: | 18. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 03-SEP-14 | Finding: | 3.9 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-SEP-14 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-14 | Finding: | 2.7 |
| Chemical: | CHROMIUM, HEXAVALENT | Report units: | UG/L |
| Dlr: | 1. | | |
| Sample date: | 07-JUL-14 | Finding: | 87. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 1.9 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 830. |
| Chemical: | NITRATE + NITRITE (AS N) | Report units: | MG/L |
| Dlr: | 0.4 | | |
| Sample date: | 07-JUL-14 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 12.28 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 0.3 |
| Chemical: | TURBIDITY, LABORATORY | Report units: | NTU |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0.1 | | |
| Sample date: | 07-JUL-14 | Finding: | 3.7 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 07-JUL-14 | Finding: | 0.43 |
| Chemical: | LANGELIER INDEX AT SOURCE TEMP. | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 1.04 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 590. |
| Chemical: | TOTAL DISSOLVED SOLIDS | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 18. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 07-JUL-14 | Finding: | 3.7 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 7.1 |
| Chemical: | VANADIUM | Report units: | UG/L |
| Dlr: | 3. | | |
| Sample date: | 07-JUL-14 | Finding: | 0.69 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |
| Dlr: | 0.1 | | |
| Sample date: | 07-JUL-14 | Finding: | 200. |
| Chemical: | SULFATE | Report units: | MG/L |
| Dlr: | 0.5 | | |
| Sample date: | 07-JUL-14 | Finding: | 64. |
| Chemical: | CHLORIDE | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 9.6 |
| Chemical: | POTASSIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 49. |
| Chemical: | SODIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 26. |
| Chemical: | MAGNESIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 320. |
| Chemical: | HARDNESS (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 190. |
| Chemical: | BICARBONATE ALKALINITY | Report units: | MG/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 07-JUL-14 | Finding: | 160. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 880. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 7.7 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 3. |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 17. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 02-JUN-14 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 1.9 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 0.481 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 0.253 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 0.126 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-JUN-14 | Finding: | 0.418 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 13-MAR-14 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 13-MAR-14 | Finding: | 2.1 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 13-MAR-14 | Finding: | 1.6 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 13-MAR-14 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 13-MAR-14 | Finding: | 3.6 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 13-MAR-14 | Finding: | 3.6e-002 |
| Chemical: | RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 13-MAR-14 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 13-MAR-14 | Finding: | 0.16 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 13-MAR-14 | Finding: | 0.637 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 13-MAR-14 | Finding: | 0.47 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 13-JAN-14 | Finding: | 3.8 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 02-DEC-13 | Finding: | 0.14 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-13 | Finding: | 5.e-002 |
| Chemical: | RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 02-DEC-13 | Finding: | 0.253 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-13 | Finding: | 0.596 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-13 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-13 | Finding: | 0.322 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 02-DEC-13 | Finding: | 1.8 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 02-DEC-13 | Finding: | 20. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 02-DEC-13 | Finding: | 3.3 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 02-DEC-13 | Finding: | 1.6 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 4.4 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 0.36 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 09-OCT-13 | Finding: | 0.299 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 0.354 |
| Chemical: | RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 09-OCT-13 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 0.626 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 4.8e-002 |
| Chemical: | RADIUM 228 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 09-OCT-13 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 2.4 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-OCT-13 | Finding: | 18. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 03-JUN-13 | Finding: | 18. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 03-JUN-13 | Finding: | 2.3 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 03-JUN-13 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-JUN-13 | Finding: | 0.672 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-JUN-13 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-JUN-13 | Finding: | 0.104 |
| Chemical: | RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 03-JUN-13 | Finding: | 0.409 |
| Chemical: | RA-226 OR TOTAL RA BY 903.0 C.E. | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-JUN-13 | Finding: | 0.405 |
| Chemical: | RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0 | | |
| Report units: | PCI/L | Dlr: | 0. |
| Sample date: | 03-JUN-13 | Finding: | 3.7 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-JUN-13 | Finding: | 1.8 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-MAR-13 | Finding: | 3.5 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-MAR-13 | Finding: | 16. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 04-MAR-13 | Finding: | 1.6 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-MAR-13 | Finding: | 1.7 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-MAR-13 | Finding: | 0.87 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-MAR-13 | Finding: | 0.421 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-MAR-13 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 03-DEC-12 | Finding: | 3.4 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-DEC-12 | Finding: | 17. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 03-DEC-12 | Finding: | 1.7 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-DEC-12 | Finding: | 1.6 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-DEC-12 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-DEC-12 | Finding: | 0.492 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 03-DEC-12 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-SEP-12 | Finding: | 3. |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-SEP-12 | Finding: | 19. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-SEP-12 | Finding: | 1.8 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-SEP-12 | Finding: | 1.9 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-SEP-12 | Finding: | 0.87 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-SEP-12 | Finding: | 0.629 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-SEP-12 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 170. |
| Chemical: | ALKALINITY (TOTAL) AS CACO3 | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 12.38 |
| Chemical: | AGGRSSIVE INDEX (CORROSIVITY) | Report units: | Not Reported |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 5.2 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dlr: | 2. | | |
| Sample date: | 09-JUL-12 | Finding: | 0.55 |
| Chemical: | LANGELIER INDEX AT SOURCE TEMP. | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 1.15 |
| Chemical: | LANGELIER INDEX @ 60 C | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 70. |
| Chemical: | CALCIUM | Report units: | MG/L |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 7.9 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 710. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dlr: | 0. | | |
| Sample date: | 09-JUL-12 | Finding: | 20. |
| Chemical: | SOURCE TEMPERATURE C | Report units: | C |
| Dlr: | 0. | | |
| Sample date: | 04-JUN-12 | Finding: | 0.2 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-JUN-12 | Finding: | 3. |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-JUN-12 | Finding: | 20. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 04-JUN-12 | Finding: | 0.493 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-JUN-12 | Finding: | 2. |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-JUN-12 | Finding: | 1.8 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 04-JUN-12 | Finding: | 0.87 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-MAR-12 | Finding: | 0.467 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Sample date: | 05-MAR-12 | Finding: | 3.1e-002 |
| Chemical: | RADIUM 228 | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-MAR-12 | Finding: | 0.88 |
| Chemical: | URANIUM MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-MAR-12 | Finding: | 1.6 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-MAR-12 | Finding: | 1.9 |
| Chemical: | URANIUM COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-MAR-12 | Finding: | 19. |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dlr: | 1. | | |
| Sample date: | 05-MAR-12 | Finding: | 0.261 |
| Chemical: | RADIUM 228 MDA95 | Report units: | PCI/L |
| Dlr: | 0. | | |
| Sample date: | 05-MAR-12 | Finding: | 2.9 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dlr: | 0. | | |

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**10**
**SSE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000138894**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 003S004E13N001S | Type: | Well |
| Description: | Not Reported | HUC: | 18100200 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Units: | Not Reported |
| Aquifer: | Basin and Range basin-fill aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**11**
**NW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000139060**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 003S004E11L001S | Type: | Well |
| Description: | Not Reported | HUC: | 18100200 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Units: | Not Reported |
| Aquifer: | Basin and Range basin-fill aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
## RADON

**AREA RADON INFORMATION**

State Database: CA Radon

Radon Test Results

| Zipcode | Num Tests | > 4 pCi/L |
|---|---|---|
| 92240 | 6 | 0 |

Federal EPA Radon Zone for RIVERSIDE 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.

Federal Area Radon Information for RIVERSIDE COUNTY, CA

Number of sites tested: 12

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | 0.117 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | 0.450 pCi/L | 100% | 0% | 0% |
| Basement | 1.700 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$^{R}$ Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
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.

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# APPENDIX C

## HISTORICAL REFERENCE DOCUMENTS

# APPENDIX D

# QUESTIONNAIRE

Little Morongo Road
South of 18th Avenue and West of Little Morongo Ro
Desert Hot Springs, CA 92240

Inquiry Number: 5791938.4
September 17, 2019

# EDR Historical Topo Map Report
## with QuadMatch™

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

## EDR Historical Topo Map Report

09/17/19

| Site Name: | Client Name: |
|---|---|
| Little Morongo Road<br>South of 18th Avenue and Wes<br>Desert Hot Springs, CA 92240<br>EDR Inquiry # 5791938.4 | Proterra Consulting Inc.<br>1022 East Garvey Avenue<br>Monterey Park, CA 91775<br>Contact: Frank Tam |

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Proterra Consulting 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. EDRs 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:***

**P.O.#** PT-SL19-13

**Project:** PT-SL19-13

***Coordinates:***

| | |
|---|---|
| **Latitude:** | 33.916236 33° 54' 58" North |
| **Longitude:** | -116.529653 -116° 31' 47" West |
| **UTM Zone:** | Zone 11 North |
| **UTM X Meters:** | 543478.30 |
| **UTM Y Meters:** | 3752968.03 |
| **Elevation:** | 804.90' above sea level |

**Maps Provided:**

2012
1978
1972
1957
1955
1944
1940
1901

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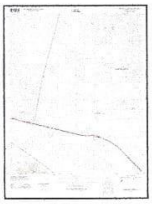
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***Topo Sheet Key***

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

**2012 Source Sheets**



Desert Hot Springs

7.5-minute, 24000

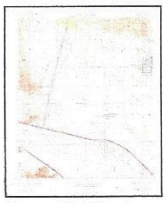
**1978 Source Sheets**



Desert Hot Springs

7.5-minute, 24000
Aerial Photo Revised 1972

**1972 Source Sheets**



Desert Hot Springs

7.5-minute, 24000
Aerial Photo Revised 1951

**1957 Source Sheets**



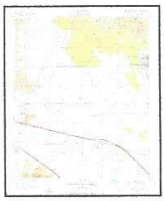
Palm Springs

15-minute, 62500
Aerial Photo Revised 1956

***Topo Sheet Key***

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

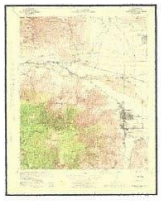
**1955 Source Sheets**



Desert Hot Springs

7.5-minute, 24000
Aerial Photo Revised 1951

**1944 Source Sheets**



Palm Springs

15-minute, 62500
Aerial Photo Revised 1940

**1940 Source Sheets**



Palm Springs

15-minute, 62500
Aerial Photo Revised 1940

**1901 Source Sheets**



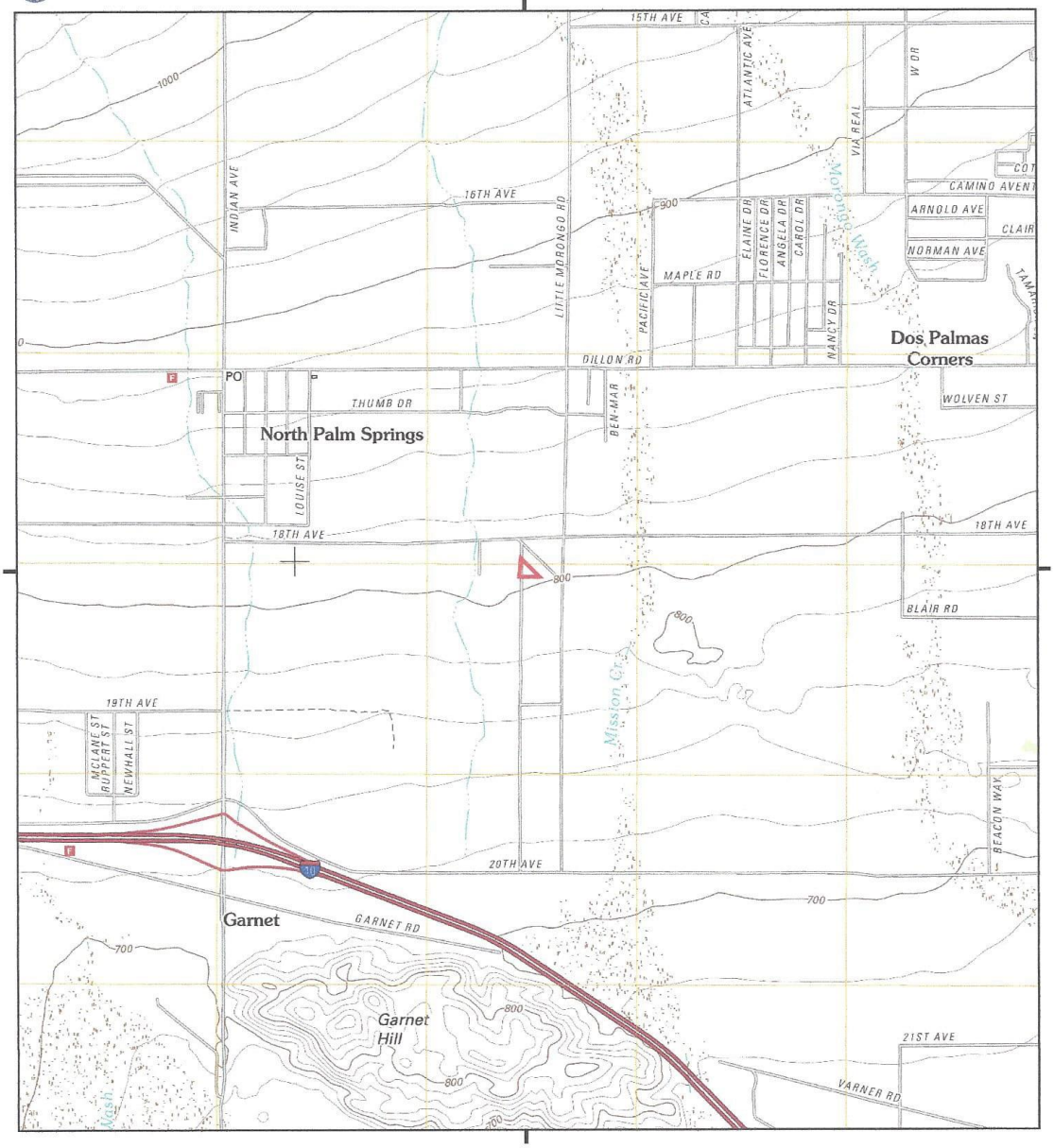
San Jacinto

30-minute, 125000

EDR

## Historical Topo Map

2012




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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Desert Hot Springs, 2012, 7.5-minute

SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.

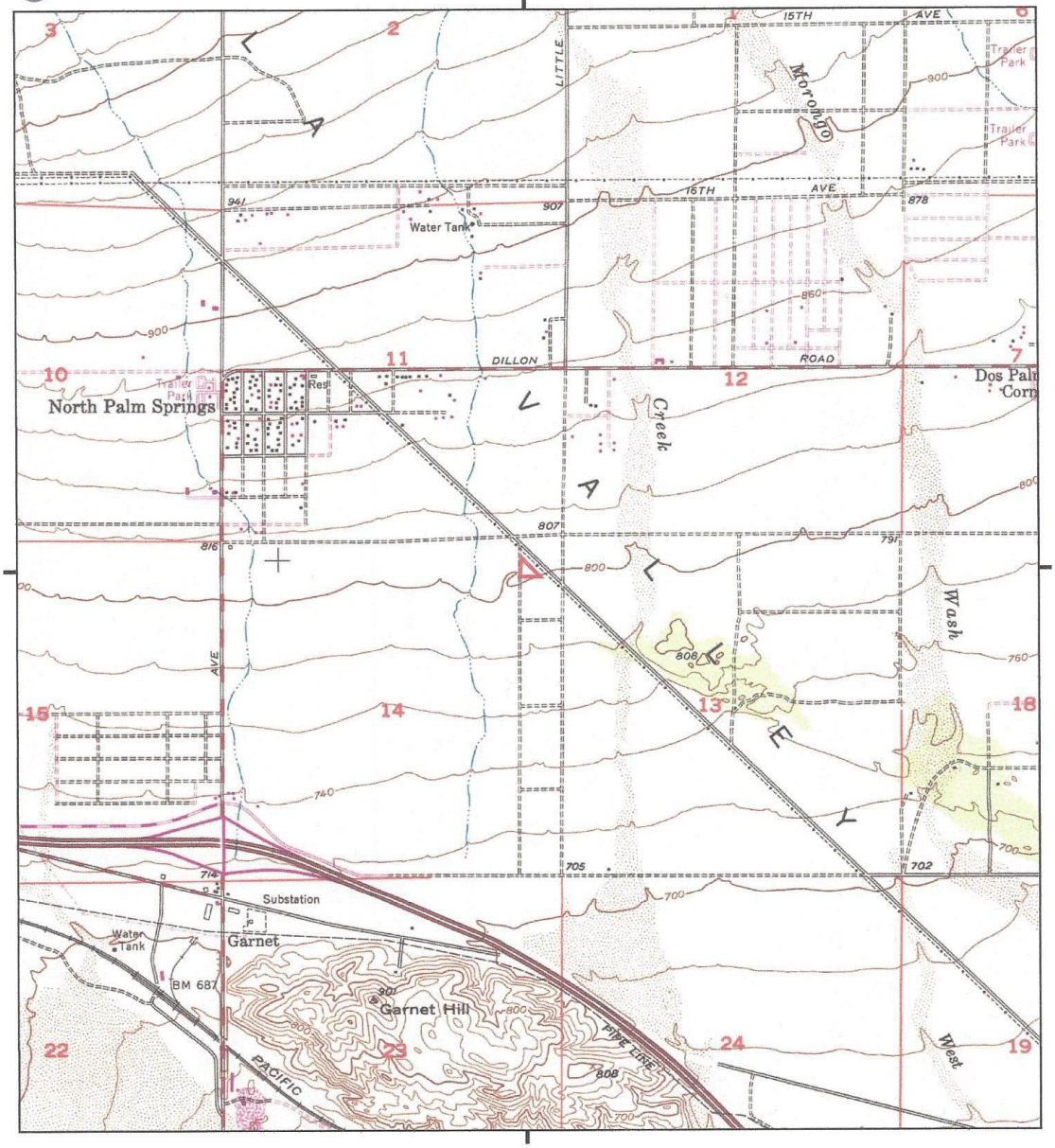
N

5791938 - 4 page 5

EDR

## Historical Topo Map

1978




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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Desert Hot Springs, 1978, 7.5-minute

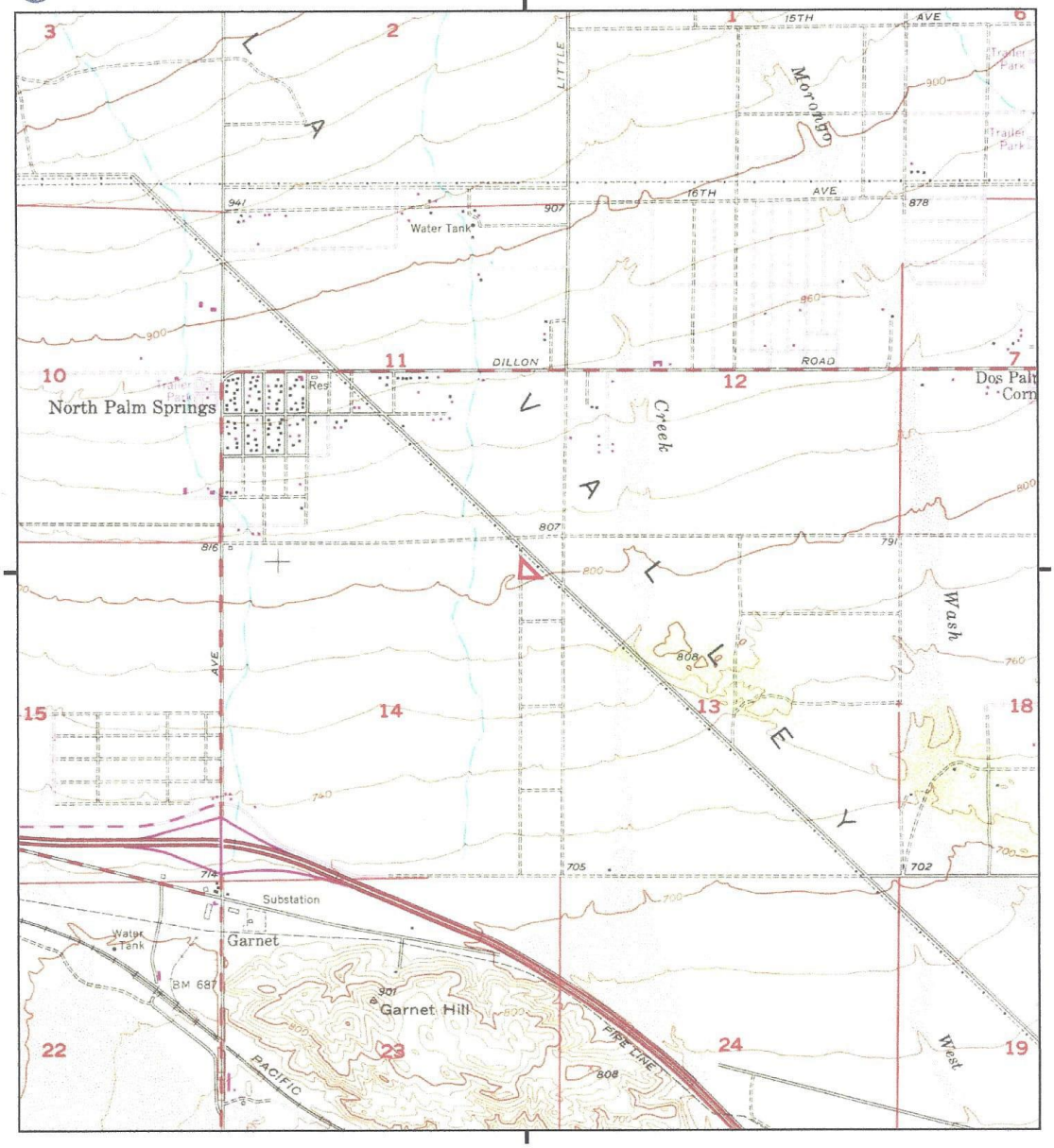
SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.

N

5791938 - 4 page 6

EDR

**Historical Topo Map** 1972




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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Desert Hot Springs, 1972, 7.5-minute

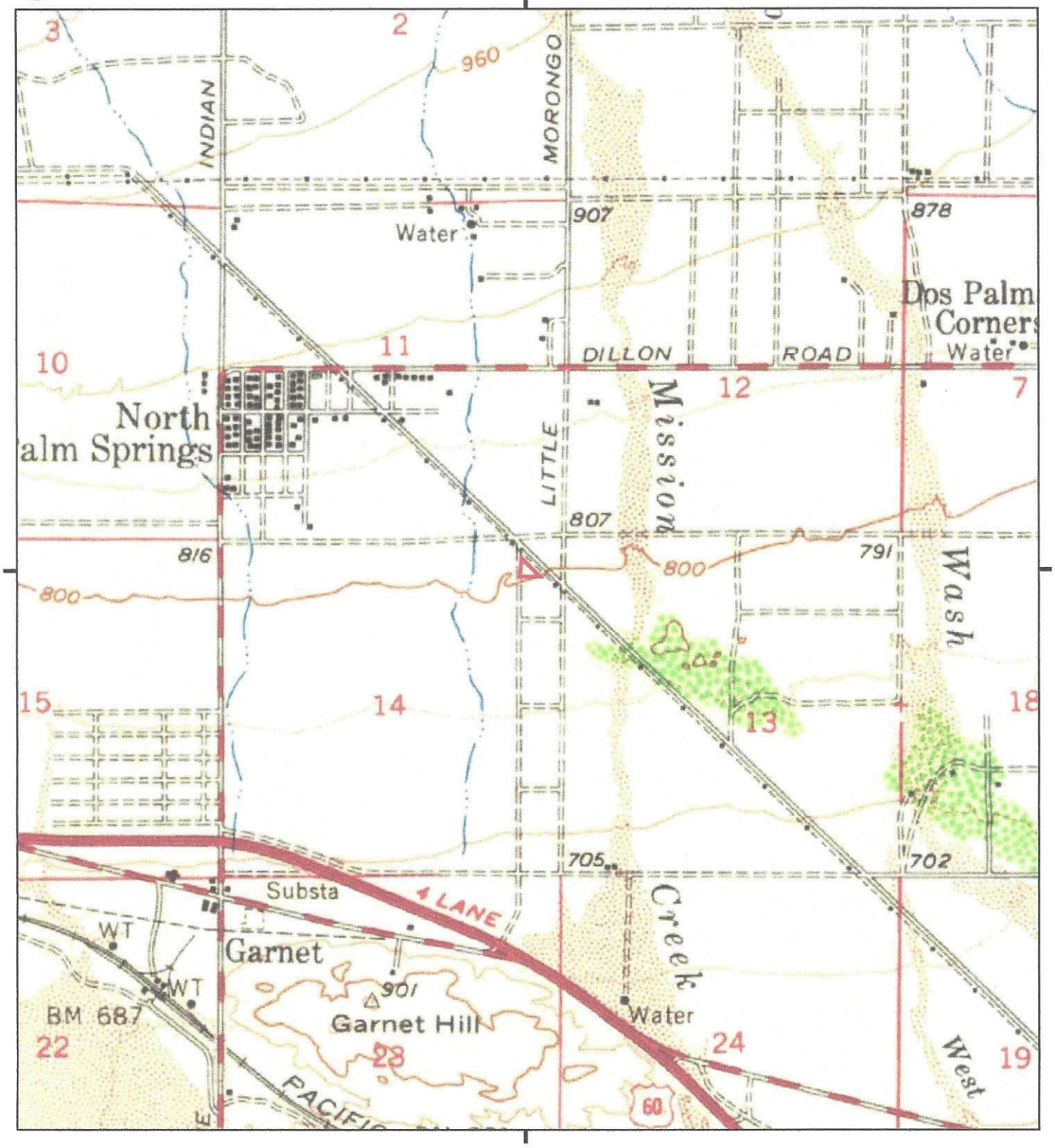
SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.

N

5791938 - 4 page 7

EDR

**Historical Topo Map** 1957




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

0 Miles 0.25 0.5 1 1.5

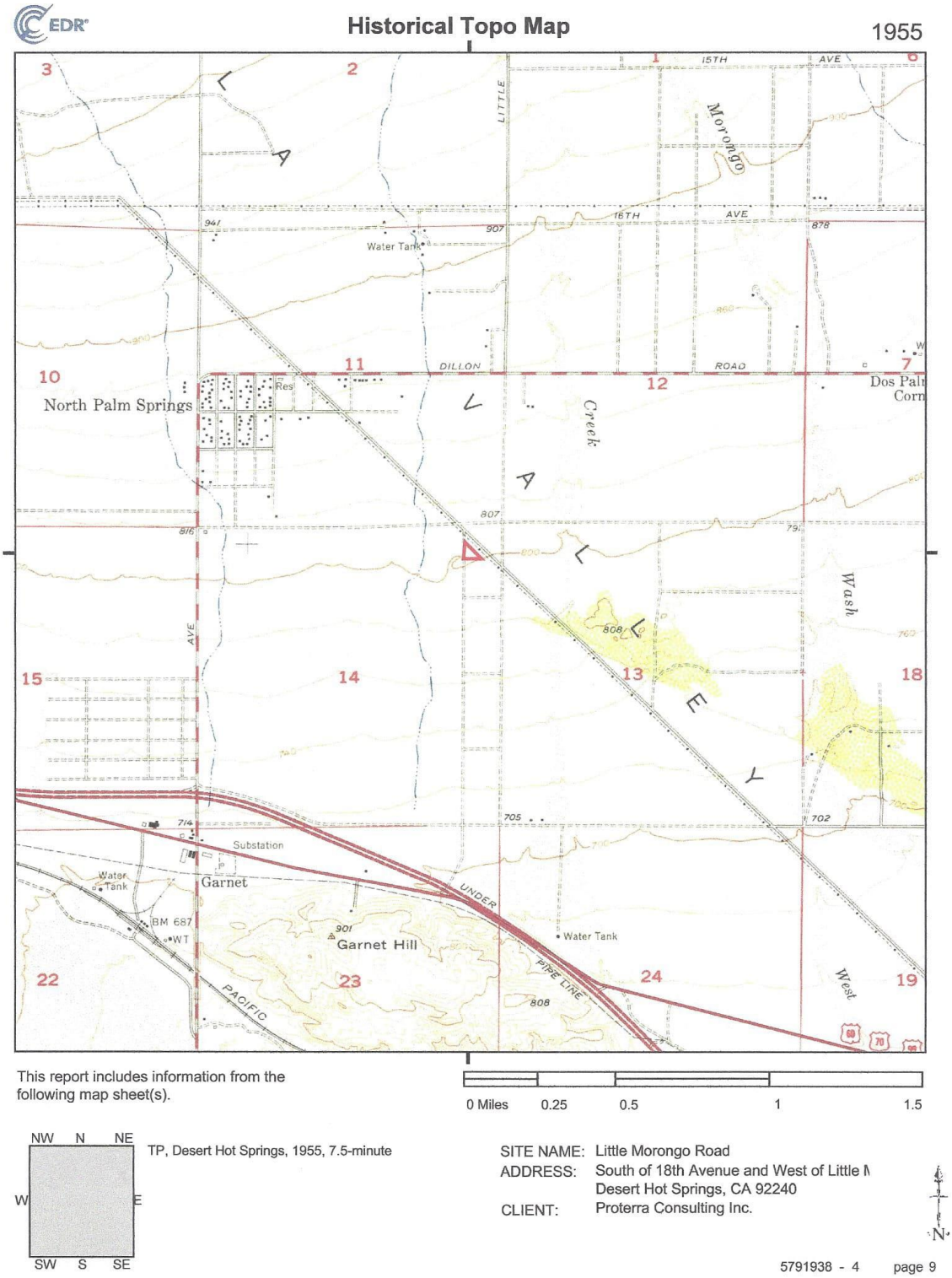
NW N NE
W E
SW S SE

TP, Palm Springs, 1957, 15-minute

SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.

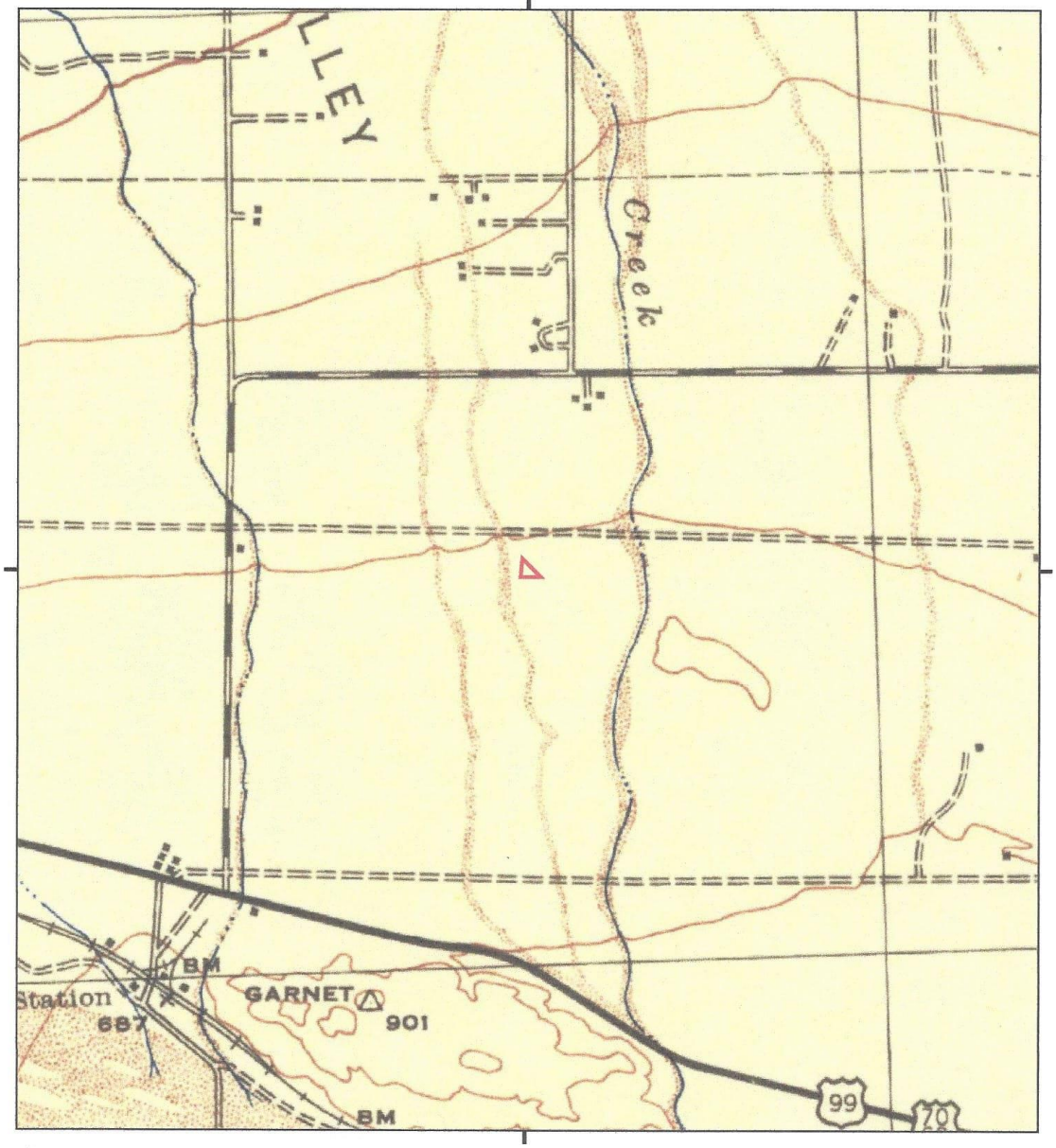
N

5791938 - 4 page 8


EDR
Historical Topo Map
1955
15TH AVE
LITTLE
Morongo
16TH AVE
Water Tank
941
907
878
DILLON ROAD
North Palm Springs
Res
Creek
807
816
808
Wash
AVE
714
Substation
Garnet
Water Tank
BM 687
WT
901
Garnet Hill
UNDER
PIPE LINE
PACIFIC
705
702
808
West
3
2
1
6
10
11
12
7
15
14
13
18
22
23
24
19
This report includes information from the following map sheet(s).
0 Miles
0.25
0.5
1
1.5
NW N NE
W E
SW S SE
TP, Desert Hot Springs, 1955, 7.5-minute
SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.
N
5791938 - 4
page 9

EDR

**Historical Topo Map** 1944




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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Palm Springs, 1944, 15-minute

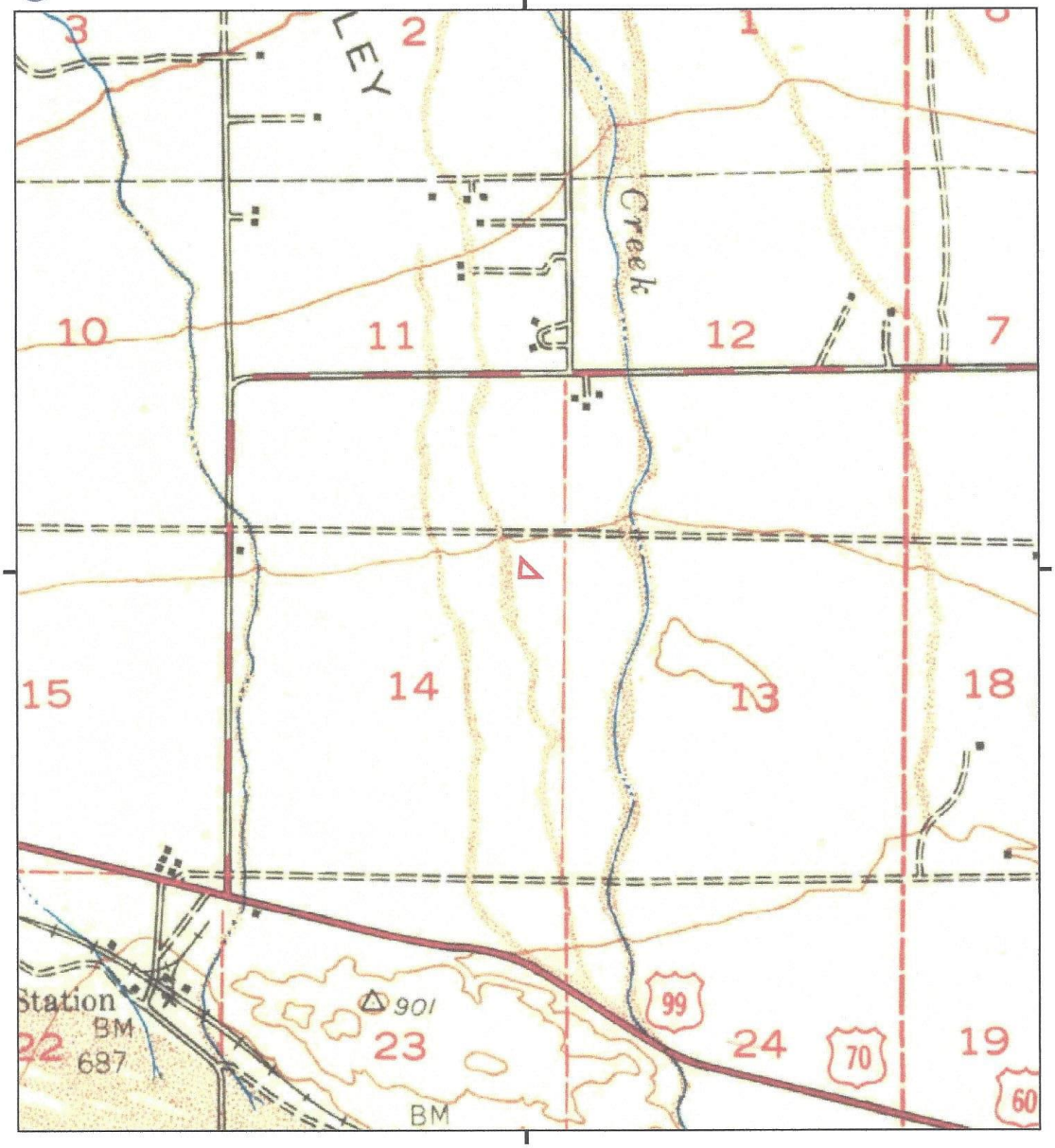
SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.

N

5791938 - 4 page 10

EDR

**Historical Topo Map** 1940




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

0 Miles 0.25 0.5 1 1.5

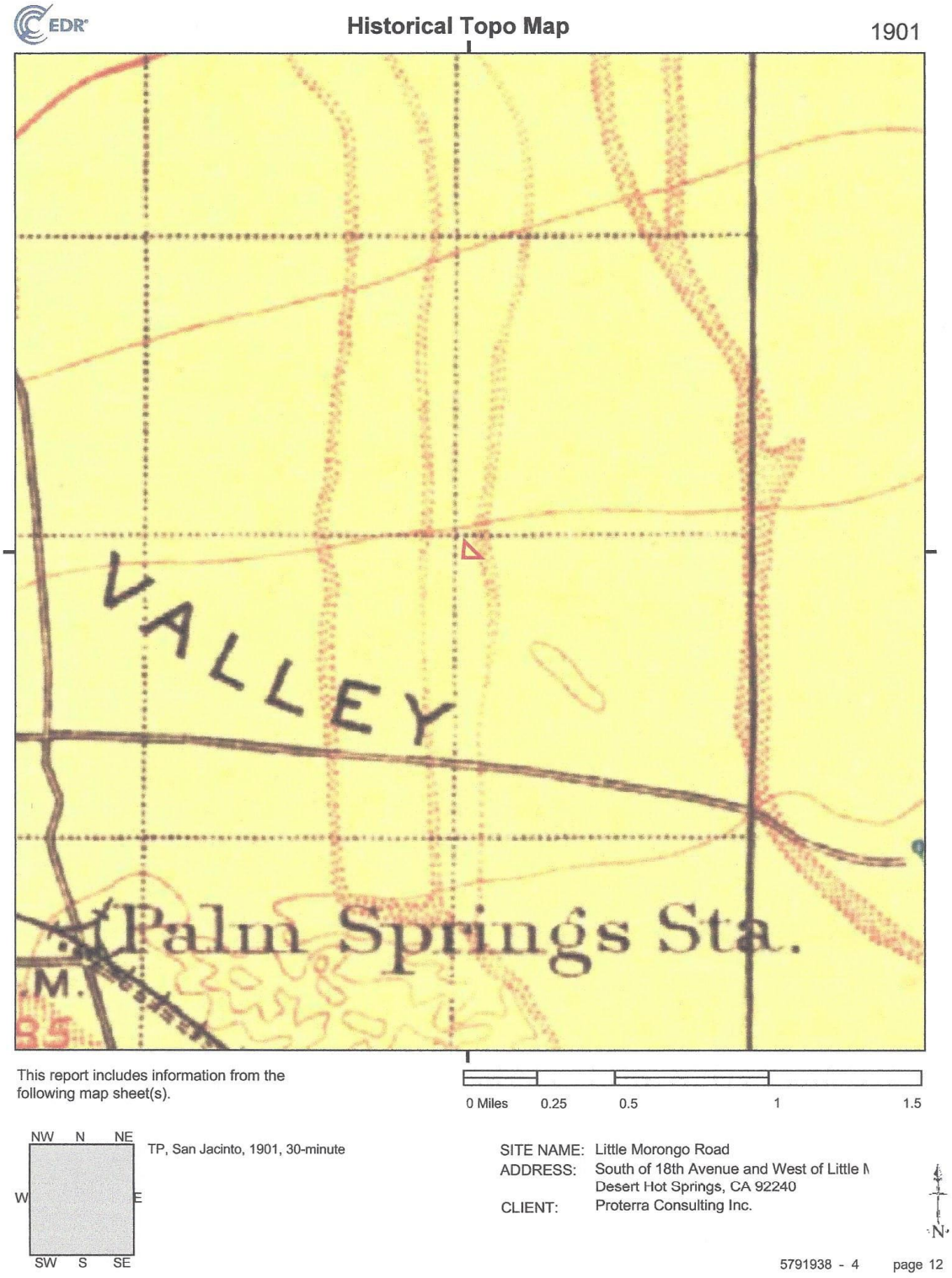
NW N NE
W E
SW S SE

TP, Palm Springs, 1940, 15-minute

SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.

N

5791938 - 4 page 11


EDR
Historical Topo Map
1901
VALLEY
Palm Springs Sta.
M.
85
This report includes information from the following map sheet(s).
0 Miles
0.25
0.5
1
1.5
NW N NE
W E
SW S SE
TP, San Jacinto, 1901, 30-minute
SITE NAME: Little Morongo Road
ADDRESS: South of 18th Avenue and West of Little M
Desert Hot Springs, CA 92240
CLIENT: Proterra Consulting Inc.
N
5791938 - 4 page 12

Little Morongo Road
South of 18th Avenue and West of Little Morongo Ro
Desert Hot Springs, CA 92240

Inquiry Number: 5791938.3
September 17, 2019

Certified Sanborn® Map Report

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

## Certified Sanborn® Map Report

09/17/19

| Site Name: | Client Name: |
|---|---|
| Little Morongo Road<br>South of 18th Avenue and Wes<br>Desert Hot Springs, CA 92240<br>EDR Inquiry # 5791938.3 | Proterra Consulting Inc.<br>1022 East Garvey Avenue<br>Monterey Park, CA 91775<br>Contact: Frank Tam |

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

### *Certified Sanborn Results:*

**Certification #** 2846-49FE-BD82

**PO #** PT-SL19-13

**Project** PT-SL19-13

**UNMAPPED PROPERTY**

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Sanborn® Library search results

Certification #: 2846-49FE-BD82

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

*The Sanborn Library LLC Since 1866™*

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**Little Morongo Road**
South of 18th Avenue and West of Little Morongo Ro
Desert Hot Springs, CA 92240

Inquiry Number: 5791938.8
September 17, 2019

# The EDR Aerial Photo Decade Package

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

## EDR Aerial Photo Decade Package

09/17/19

**Site Name:**

Little Morongo Road
South of 18th Avenue and Wes
Desert Hot Springs, CA 92240
EDR Inquiry # 5791938.8

**Client Name:**

Proterra Consulting Inc.
1022 East Garvey Avenue
Monterey Park, CA 91775
Contact: Frank Tam

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***Search Results:***

| Year | Scale | Details | Source |
|---|---|---|---|
| 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 03, 2002 | USGS/DOQQ |
| 1996 | 1"=500' | Flight Date: June 04, 1996 | USGS |
| 1984 | 1"=500' | Flight Date: August 24, 1984 | USDA |
| 1972 | 1"=500' | Flight Date: August 17, 1972 | USDA |
| 1953 | 1"=500' | Flight Date: October 24, 1953 | USDA |

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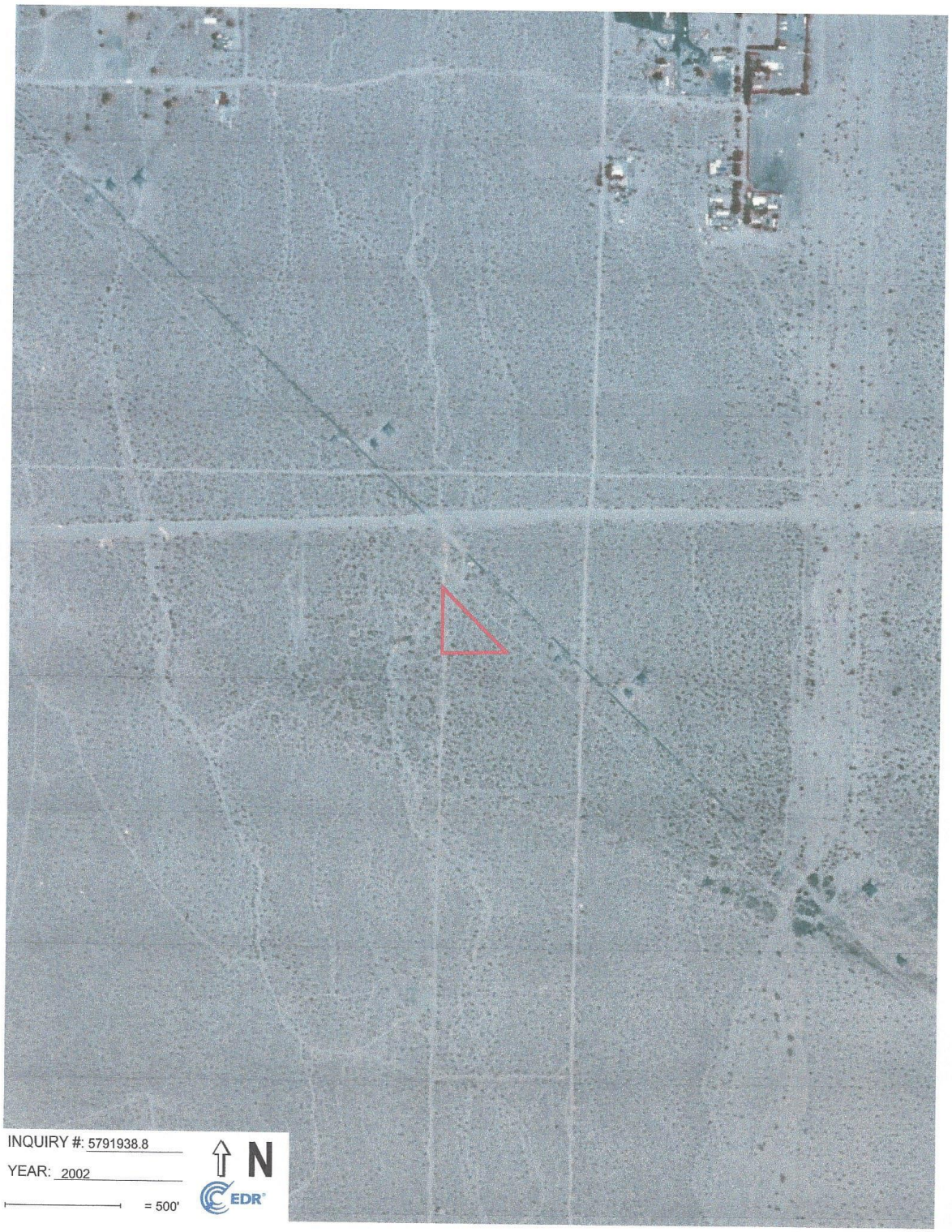
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INQUIRY #: 5791938.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 5791938.8
YEAR: 2012
= 500'
N
EDR

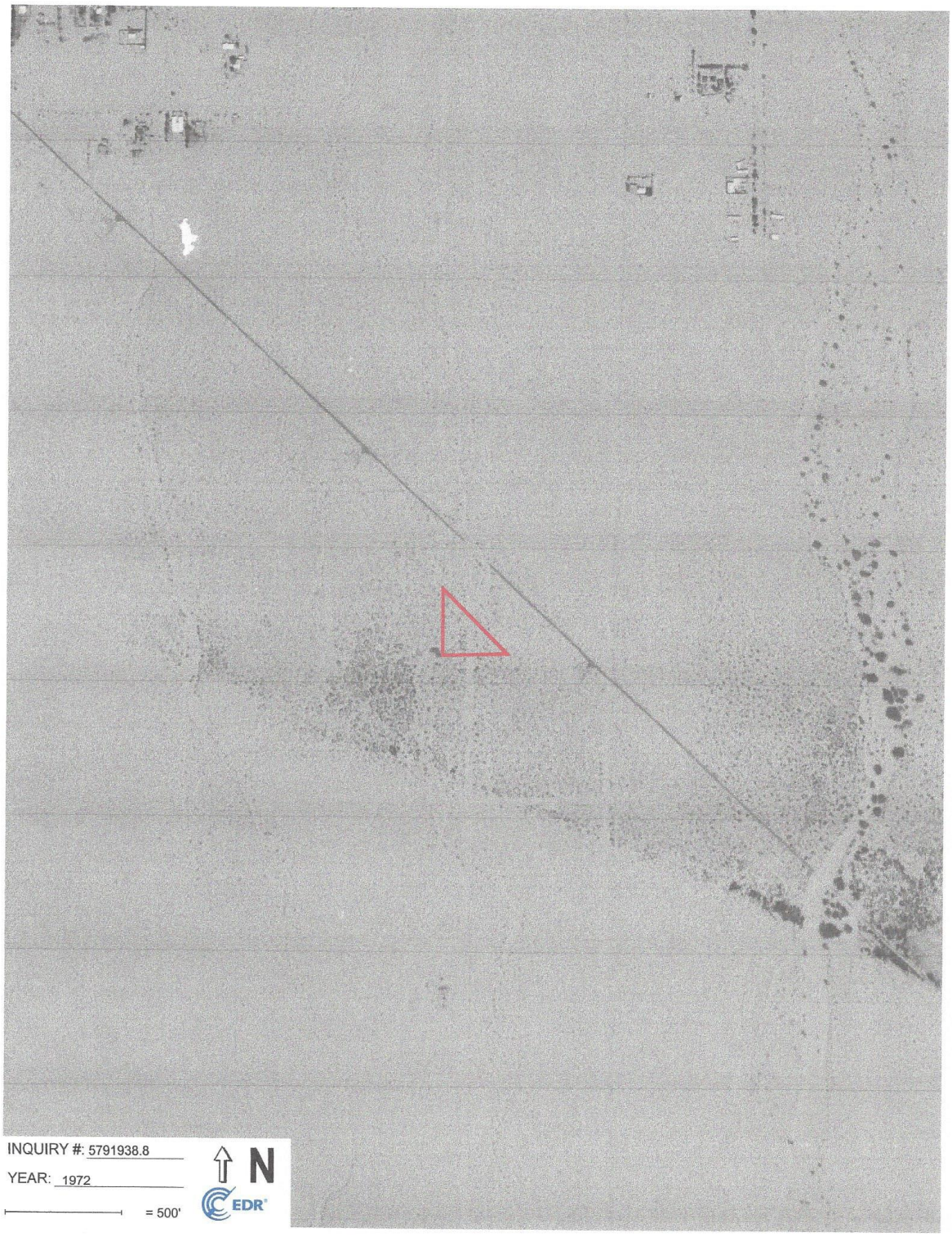

INQUIRY #: 5791938.8
YEAR: 2009
= 500'
N
EDR

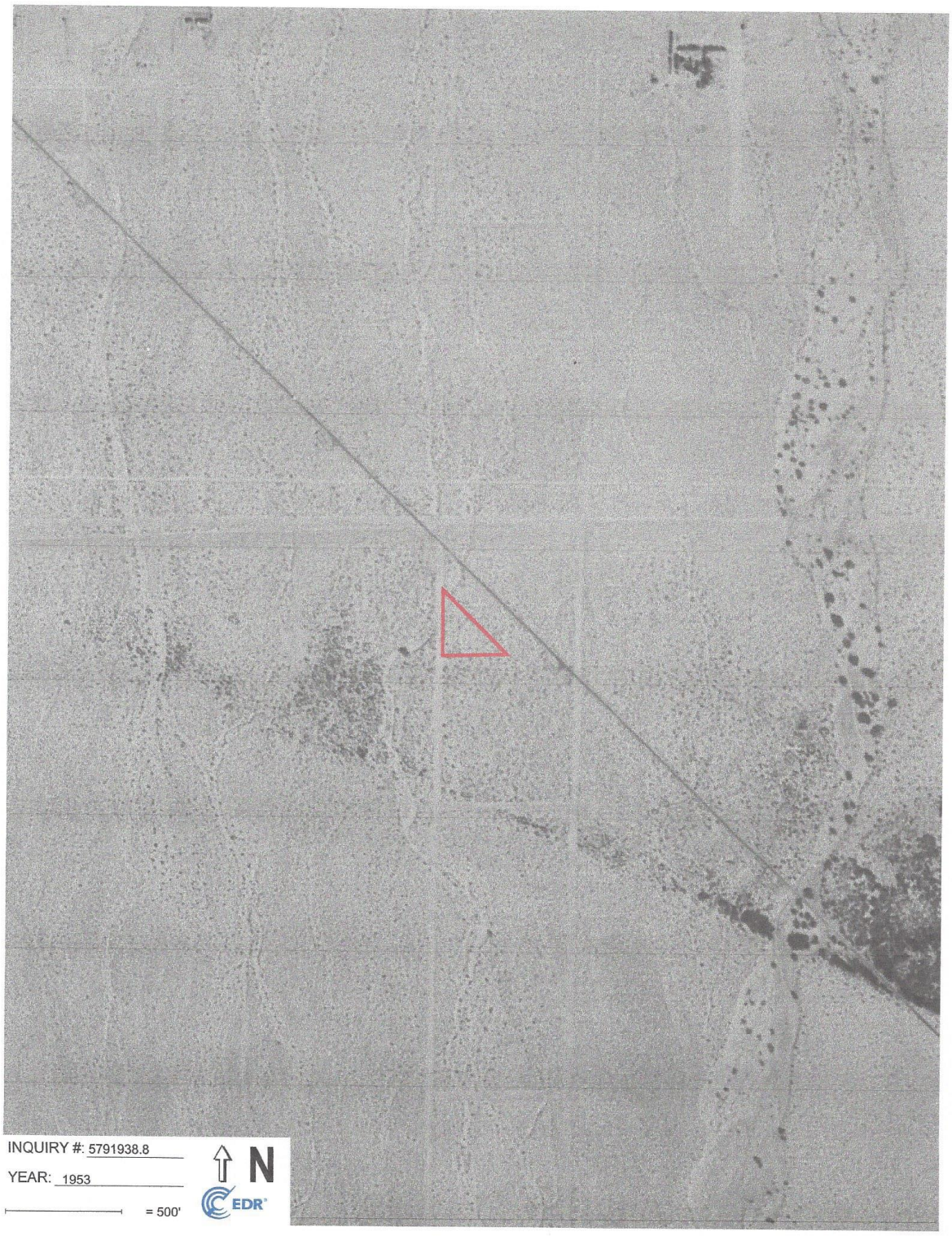

INQUIRY #: 5791938.8
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 5791938.8
YEAR: 2002
= 500'
N
EDR


INQUIRY #: 5791938.8
YEAR: 1996
= 500'
N
EDR


INQUIRY #: 5791938.8
YEAR: 1984
= 500'
N
EDR


INQUIRY #: 5791938.8
YEAR: 1972
= 500'
N
EDR


INQUIRY #: 5791938.8
YEAR: 1953
= 500'
N
EDR

**Little Morongo Road**
South of 18th Avenue and West of Little Morongo Ro
Desert Hot Springs, CA 92240

Inquiry Number: 5791938.5
September 20, 2019

# The EDR City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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

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# EXECUTIVE SUMMARY

## 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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## 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.

| Year | Target Street | Cross Street | Source |
|---|---|---|---|
| 2014 | ☑ | ☐ | EDR Digital Archive |
| 2010 | ☑ | ☐ | EDR Digital Archive |
| 2005 | ☑ | ☐ | EDR Digital Archive |
| 2000 | ☑ | ☐ | EDR Digital Archive |
| 1995 | ☑ | ☐ | EDR Digital Archive |
| 1992 | ☑ | ☐ | EDR Digital Archive |
| 1985 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1981 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1975 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1971 | ☐ | ☐ | Haines Criss-Cross Directory |

## FINDINGS

**TARGET PROPERTY STREET**

South of 18th Avenue and West of Little Morongo Ro
Desert Hot Springs, CA 92240

| *Year* | *CD Image* | *Source* | |
|---|---|---|---|
| **18TH AVE** | | | |
| 2014 | - | EDR Digital Archive | Target and Adjoining not listed in Source |
| 2010 | pg A2 | EDR Digital Archive | |
| 2005 | pg A4 | EDR Digital Archive | |
| 2000 | - | EDR Digital Archive | Target and Adjoining not listed in Source |
| 1995 | pg A7 | EDR Digital Archive | |
| 1992 | pg A9 | EDR Digital Archive | |
| 1985 | pg A11 | Haines Criss-Cross Directory | |
| 1981 | pg A13 | Haines Criss-Cross Directory | |
| 1975 | pg A15 | Haines Criss-Cross Directory | |
| 1971 | - | Haines Criss-Cross Directory | Street not listed in Source |
| **LITTLE MORONGO RD** | | | |
| 2014 | pg A1 | EDR Digital Archive | |
| 2010 | pg A3 | EDR Digital Archive | |
| 2005 | pg A5 | EDR Digital Archive | |
| 2000 | pg A6 | EDR Digital Archive | |
| 1995 | pg A8 | EDR Digital Archive | |
| 1992 | pg A10 | EDR Digital Archive | |
| 1985 | pg A12 | Haines Criss-Cross Directory | |
| 1981 | pg A14 | Haines Criss-Cross Directory | |
| 1975 | pg A16 | Haines Criss-Cross Directory | |
| 1971 | - | Haines Criss-Cross Directory | Street not listed in Source |

## FINDINGS

**CROSS STREETS**

No Cross Streets Identified

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## LITTLE MORONGO RD 2014

| | |
|---|---|
| 8567 | OCCUPANT UNKNOWN, |
| 8593 | ABIFADEL, JACK G |
| 12155 | APOSTOLIC ASSEMBLY |
| | UNIVERSAL COVENANT MINISTRIES |
| 12451 | OCCUPANT UNKNOWN, |
| 12471 | INTERNATIONAL CASINO ACADEMY |
| | LYNN, PETER R |
| 12605 | SHAHANDEH, ESFANDIAR |
| 12655 | GUERRA, DAGOBERTO |
| 13145 | JONES, MONIQUE F |
| 13175 | MCQUEENEY, JULIE A |
| 13335 | GARCIA, JUAN |
| 13475 | GERHARD, BLAUTH |
| 13500 | ALLEN FENCE CONSTRUCTION |
| 13645 | BUERKE, EDDY F |
| 13955 | OCCUPANT UNKNOWN, |
| 14250 | COREAS AUTO ELECTRIC |
| | FRANCISCO AUTO REPAIR |
| 14350 | AARCO TOWING |
| 15305 | CALIENTE SPRINGS SELF STORAGE |
| | STORAGE QUEST MANAGEMENT GROUP |
| | UHAUL CO |
| 15501 | OWENS LARRY J |
| | TELAR INC |
| | TRI-STAR CONTRACTING II INC |
| 16775 | HEMPHILL, RICHARD |
| 16819 | A-1 CESSPOOL SERVICE INC |
| | STEAM KING CARPET CARE |
| 16839 | SR BRAY LLC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

**18TH AVE 2010**

71290 MOYA, A

5791938.5 Page: A2

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## LITTLE MORONGO RD 2010

| | |
|---|---|
| 8567 | ARBUTHNOT, ROBERT M |
| 8593 | ABIFADEL, JACK G |
| 12155 | APOSTOLIC ASSEMBLY |
| 12451 | SANFORD, MARK M |
| 12471 | INTERNATIONAL CASINO ACADEMY |
| | LYNN KATHLEEN |
| | LYNN, KATHLEEN J |
| | POKER EVENTS |
| 12655 | GUERRA, BLANCA M |
| 13145 | JONES, MONIQUE F |
| 13175 | BRAVO, RAMON Z |
| 13335 | GARCIA, JUAN |
| 13500 | ALLEN FENCE CONSTRUCTION |
| 13645 | BUERKE, MARYLYN K |
| 13955 | HARTWELL, BRIAN L |
| 14230 | DOUBLE R TRACTOR SERVICE INC |
| 14250 | COREAS AUTO ELECTRIC |
| | FRANCISCO AUTO REPAIR |
| 14350 | AARCO TOWING |
| 15305 | CALIENTE SPRINGS SELF STORAGE |
| 15501 | OWENS LARRY J |
| | TELAR INC |
| | TRI-STAR CONTRACTING II INC |
| 16775 | HEMPHILL, RICHARD |
| 16819 | A-1 CESSPOOL SERVICE INC |
| | EC SEWER SERVICE |
| 16839 | SRBRAY LLC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

**18TH AVE 2005**

71290 MOYA, A

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## LITTLE MORONGO RD 2005

| | |
|---|---|
| 12155 | MOUNTAIN BREEZE |
| 12451 | SANFORD, MARK M |
| 12471 | OCCUPANT UNKNOWN, |
| 12605 | SHAHANDAH, CECILIA |
| 12655 | GUERRA, DAGOBERTO |
| 13145 | JONES, MONIQUE F |
| 13175 | BRAVO, RAMON Z |
| 13335 | GARCIA, JUAN |
| 13500 | ALLEN FENCE CONSTRUCTION |
| 13955 | OCCUPANT UNKNOWN, |
| 14230 | DOUBLE R TRACTOR SERVICE INC |
| | SADDLEBACK WELDING INC |
| 14250 | FRANCISCO AUTO REPAIR |
| | PONCES AUTO BODY |
| 14350 | AARCO TOWING |
| | BURNS JAMES E |
| 15305 | CALIENTE SPRINGS SELF STORAGE |
| 15501 | ORTEGA RAY |
| | OWENS LARRY J |
| | PLANT IT EARTH LANDSCAPE CO |
| | TELAR INC |
| 16775 | HEMPHILL, RICHARD |
| 16819 | A-1 CESSPOOL SERVICE INC |
| | SPILLMAN, PAUL |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## LITTLE MORONGO RD 2000

| | |
|---|---|
| 12155 | BAPTIST CHRISTIAN ACADEMY |
| 12451 | SANFORD, MARK |
| 12471 | OCCUPANT UNKNOWN, |
| 12605 | FESTIVE FOLLIES |
| | OCCUPANT UNKNOWN, |
| 12655 | GAMBILL, GEORGE W |
| 13145 | JONES, MONIQUE F |
| 13500 | ALLEN FENCE CONSTRUCTION |
| 13645 | BUERKE, ERNEST |
| 13955 | ZAGULA, JUNE |
| 14230 | SADDLEBACK WELDING INC |
| 14250 | COOL ZONE INC |
| 14350 | AARCO TOWING |
| 15305 | CALIENTE SPRINGS SELF STORAGE |
| 16819 | A-1 CESSPOOL SERVICE INC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

**18TH AVE 1995**

66850 WRIGHT, JAMES W
66860 WRIGHT, STONE

5791938.5 Page: A7

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## LITTLE MORONGO RD 1995

| | |
|---|---|
| 12155 | BAPTIST CHRISTIAN ACADEMY |
| 12471 | YASHITOMI, KATH |
| 12605 | FESTIVE FOLLIES |
| 12655 | GAMBILL, GEORGE W |
| 13145 | JONES, F C |
| 13500 | ALLEN FENCE CONSTRUCTION |
| 13645 | BUERKE, ERNEST |
| 13955 | ZAGULA, JUNE |
| 14230 | SADDLEBACK WELDING INC |
| 14250 | COOL ZONE INC |
| 14350 | ARRCO TOWING |
| | LEDEL ENGINEERING CORPORATION |
| 15305 | CALIENTE SPRINGS SELF STORAGE |
| 15501 | ROESCH LINES INC |
| 16819 | A-1 CESSPOOL SERVICE INC |
| | GILLETTE, GENE |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## 18TH AVE 1992

| | |
|---|---|
| 66850 | WRIGHT, JAMES W |
| 66860 | WRIGHT, STONE |
| 67600 | SAVE A PET |
| 67650 | BARNES, E L |
| 70200 | PRATT, WAYNE |
| 71370 | KUZNKOWSKI, WILLIAM |
| 71450 | WISWALD, J E |
| 71455 | WEISSLEADER, PAT |
| 71850 | DALTON, DENISE |
| | TERRY, DENISE |
| 72870 | WHITE, DENISE |
| 73110 | SARGENT, EDDIE |
| 73300 | DIETRICH, PETE |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## LITTLE MORONGO RD 1992

| | |
|---|---|
| 12155 | BAPTIST CHRISTIAN ACADEMY |
| 12471 | YOSHITOMI, KENNETH |
| 12605 | FESTIVE FOLLIES |
| 13145 | JONES, F C |
| 13500 | ALLEN FENCE CONSTRUCTION |
| 13645 | BUERKE, ERNEST |
| 13955 | J JZ APPLIANCE REPAIR |
| | ZAGULA, JUNE |
| 14230 | BILDERBACK, KEN |
| | EGRESITS STEVE |
| 14250 | CRYSTAL REFRIGERATION CO |
| | NATIONAL DIVERSIFIED CORP |
| 14350 | AMERICAN ASSOC BUILD |
| | ARRCO TOWING |
| | LEDEL ENGINEERING CORPORATION |
| 15506 | SABOSKI, WALTER |
| 16819 | A-1 CESSPOOL SERVICE INC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

**18TH AVE 1985**

18TH AV 92240
DESERT HT SPGS

| | | |
|---|---|---|
| 66850 | WRIGHT JAS W | 329- |
| 67830 | VOGELSANG VIRGIL | 329- |
| 67850 | BARNES E L | 329- |
| 70201 | HERRMANN ELMER | 329- |
| 70650 | BROST ARNOLD | 329- |
| 71100 | XXXX | (V) |
| 71370 | XXXX | (V) |
| 71450 | XXXX | (V) |
| 71500 | XXXX | (V) |
| 71850 | TERRY WM | 329- |
| 72300 | DIETRICH PETE | 329- |
| 73350 | SHAFFNER RONALD L | 251- |
| 73360 | XXXX | (V) |
| | 0 BUS 13 RES | 1 NEW |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

**LITTLE MORONGO RD 1985**

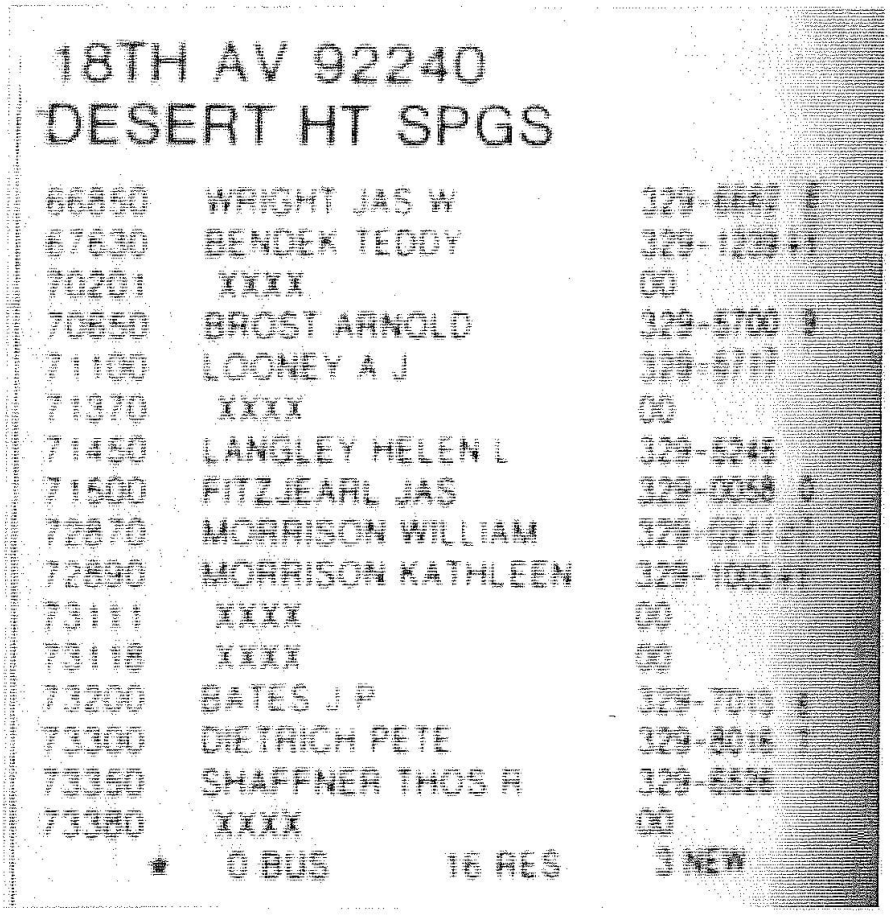


LITTLE MORONGO RD
92240 DESERT HT SPGS

12155 BAPTIST CH ACAD
DSRT HT SP BAPT CH
12806 SHANANDOEN ESPANOLAR
12866 GIBBS J R
13500 ALLEN FENCE CONST
ALLEN FENCE CONSTR
13646 XXXX
13866 ZACULA JUNE
14350 LEDEL ENGINEERING
16808 XXXX
16819 GILLETTE GENE
GILLETTE WESLEY
16830 EARLS AUTO&PAINT
6 BUS 7 RES

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

**18TH AVE 1981**



18TH AV 92240
DESERT HT SPGS

| | | |
|---|---|---|
| 66850 | WRIGHT JAS W | 329-[illegible] |
| 67630 | BENDEK TEDDY | 329-[illegible] |
| 70201 | XXXX | (X) |
| 70650 | BROST ARNOLD | 329-5700 |
| 71100 | LOONEY A J | 329-[illegible] |
| 71370 | XXXX | (X) |
| 71450 | LANGLEY HELEN L | 329-5245 |
| 71600 | FITZJEARL JAS | 329-[illegible] |
| 72870 | MORRISON WILLIAM | 329-[illegible] |
| 72890 | MORRISON KATHLEEN | 329-[illegible] |
| 73111 | XXXX | (X) |
| 73118 | XXXX | (X) |
| 73200 | BATES J P | 329-[illegible] |
| 73300 | DIETRICH PETE | 329-[illegible] |
| 73350 | SHAFFNER THOS R | 329-[illegible] |
| 73380 | XXXX | (X) |

0 BUS 16 RES 3 NEW

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

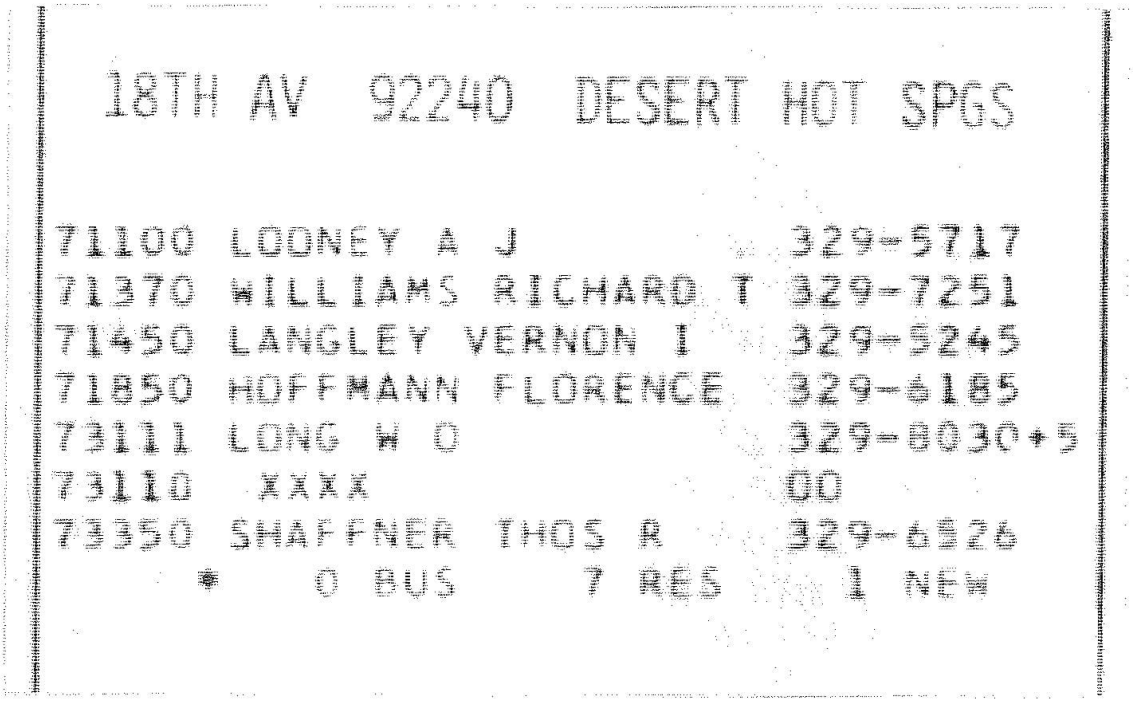
**LITTLE MORONGO RD 1981**

# LITTLE MORONGO RD
# 92240 DESERT HT SPGS

| | | | |
|---|---|---|---|
| 12155 | DESRT HT SPGS BAPT | 329-9324 | 9 |
| 12605 | ROSE BUDDY | 329-0063 | + 1 |
| 12655 | GIBBS J R | 329-6806 | + 1 |
| 13500 | ALLEN FENCE CONST | 329-8731 | 8 |
| | ALLEN FENCE CONSTR | 849-4675 | 8 |
| 13845 | BERG JAMES R | 329-1795 | + 1 |
| 13955 | ZAGULA JUNE | 329-0190 | 0 |
| 14250 | DESERT HT SPGS ROOF | 329-8721 | + 1 |
| 16803 | XXXX | 00 | |
| 16819 | GILLETTE GENE | 329-6875 | |
| 16839 | QUALIFIED SCRTY | 342-1020 | + 1 |
| 17282 | JACKSON EDYTHE | 329-2172 | + 1 |
| | 5 BUS 7 RES | 6 NEW | |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

**18TH AVE 1975**



18TH AV 92240 DESERT HOT SPGS

| | | |
|---|---|---|
| 71100 | LOONEY A J | 329-5717 |
| 71370 | WILLIAMS RICHARD T | 329-7251 |
| 71450 | LANGLEY VERNON I | 329-5245 |
| 71850 | HOFFMANN FLORENCE | 329-6185 |
| 73111 | LONG W O | 329-8030+5 |
| 73110 | XXXX | 00 |
| 73350 | SHAFFNER THOS R | 329-6826 |

0 BUS 7 RES 1 NEW

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| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

**LITTLE MORONGO RD 1975**

LITTLE MORONGO RD 92240

DESERT HOT SPRINGS

| | | |
|---|---|---|
| 7885 | *LOST HD RNCH RHBLTN | 329-5424 *5 |
| | *REHABILITATION SERV | 329-5424 *5 |
| 12605 | XXXX | OO |
| 12655 | ATWOOD W J | 329-5480 |
| 13645 | WHITTAKER E | 329-6348 4 |
| 13955 | ZAGULA JOHN | 329-7233 4 |
| 16809 | XXXX | OO |
| 16819 | GILLETTE GENE | 329-6875 |
| 17280 | GIST BASIL | 329-5371 |

* 2 BUS 7 RES 2 NEW

5791938.5 Page: A16

## APPENDIX D

## QUESTIONNAIRE

## PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

| | |
|---|---|
| Client: | Cal Meadows Development. |
| Project: | |
| Site Address: | |
| Person Interviewed: | ELIAS G. Malouf |
| Employer: | Cal Meadows Development. |
| Position / Title: | CEO |
| Term: | |
| Date of Interview: | Sep 23, 2019 |
| Interviewer: | |

- What is the current use of the property? None
- When was the property first developed? 1st time
- Has the property been used for an industrial purpose in the past? ☐ Yes ☑ No

  If yes, what? _____
- Have any of the following operations ever existed on the property? ☑ NONE

☐ Automotive services
☐ Chemical/petroleum processing
☐ Electrical utility servicing
☐ Equipment servicing
☐ Fuel dispensing
☐ Hazardous materials storage, use, or handling
☐ Hazardous waste handling
☐ Heavy equipment storage
☐ Manufacturing (industrial/commercial)
☐ Paint blending or mixing
☐ Retail or commercial sales (except consumer products)

- Describe the prior uses and owners of the property (include approximate dates).

Property was never Developed.

## PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

- Describe the current uses and owners of the adjoining properties?

| | |
|---|---|
| North: | |
| South: | |
| East: | |
| West: | |

- Describe the prior uses and owners of the adjoining properties?

| | |
|---|---|
| North: | |
| South: | |
| East: | |
| West: | |

- Have any of the following items ever been stored or used on the property? *(Substances stored on site in containers routinely sold to the public are usually not a concern.)*

Automotive or industrial batteries. ☐ Yes ☑ No

Any chemicals contained in drums, sacks, or 5-gallon pails. ☐ Yes ☑ No

If yes, describe. _____

If yes, is a chemical inventory listing if available? ☐ Yes ☑ No (If yes, obtain a copy.)

- Are there currently or have there ever been any ASTs or USTs on the property?
☐ Yes ☑ No

If yes, provide additional information.

| Qty | Contents | AST or UST | Gallons | Construction Materials | Install. Date | (A)ctive (I)nactive (R)emoved | Notes |
|---|---|---|---|---|---|---|---|
| | Gasoline | | | | | | |
| | Diesel | | | | | | |
| | Fuel Oil | | | | | | |
| | Hydraulic Oil | | | | | | |
| | Used Oil | | | | | | |
| | Water | | | | | | |

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

If yes, provide additional information.

- ☐ Cleanup required
- ☐ Cleanup performed
- ☐ GW contamination remaining
- ☐ Soil contamination remaining
- ☐ State approval of closure
- ☐ Tank and piping did not leak
- ☐ Under further investigation
- ☐ Other actions? (specify)

• Has there ever been any of the following air emission sources on site? ☑ NONE

- ☐ Boilers
- ☐ Fuel-fired units
- ☐ Hazardous air pollutants
- ☐ Incinerators
- ☐ Lead gas fumes
- ☐ Lead paint
- ☐ Solvent cleaners
- ☐ Solvent storage drums or tanks
- ☐ Solvent/VOC processing
- ☐ Spray booths
- ☐ Vapor degreasers
- ☐ Other (specify) _____

If yes, explain. _____

If yes, were the emissions federal- or state-permitted? ☐ Yes ☐ No

Explain. _____

• Has there ever been any of the following wastewater discharge sources or receivers on site? ☑ NONE

- ☐ Boiler blowdown
- ☐ Holding ponds/tanks
- ☐ Leaching fields
- ☐ Well fields
- ☐ On-site treatment
- ☐ Process waste water
- ☐ Public sewer systems
- ☐ Septic system
- ☐ Other _____

If yes, explain. _____

If yes, were the discharges federal- or state-permitted? _____

Explain. _____

## PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

- Have any agricultural chemicals been used at the property on a regular basis? ☐ Yes ☑ No

  If yes, describe. _____

- Has the current owner ever had a solid waste disposal permit? ☐ Yes ☑ No

  If yes, what waste streams? _____

- Have any of the following been dumped above ground, buried, and/or burned on the property? ☑ NONE

  ☐ Hazardous substances _____ ☐ Unidentified waste materials _____
  ☐ Petroleum products _____ ☐ Any other waste materials _____
  ☐ Tires _____ _____

- Have contaminated or hazardous wastes ever been generated or disposed on the property, or transported to or from the property? ☐ Yes ☑ No

  If yes, what waste type and average monthly quantity (or total generated the previous year)?

  ☐ Ignitable (flammable) _____ ☐ Contaminated water _____
  ☐ Corrosive (acids / caustics) _____ ☐ Petroleum _____
  ☐ Solvents _____ ☐ Other _____
  ☐ Contaminated soil _____

  If yes, describe the process that generated the wastes (cleaning, spills, manufacturing by-products, obsolete or defective inventory) _____

  If yes, which generator status that applies?

  ☐ LQG (> 2,200 lb. or 300 gal/mo) ☐ One-time generator
  ☐ SQG (200 - 2,200 lb. or 25 - 300 gal/mo) ☐ Other _____
  ☐ Conditionally exempt (<200 lb. or 25 gal/mo)

  List the site's EPA Identification Number _____

Page 4

## PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

- Has there ever been any of the following non-compliance complaints, notices, violations, or citations? ☑ NONE

☐ City or local environmental agency administrative or judicial orders
☐ County environmental agency administrative or judicial orders
☐ State environmental agency administrative or judicial orders
☐ EPA administrative orders
☐ Fire department
☐ Other (note below)

- Have personnel from any federal, state, or local agency ever visited the facility? ☐ Yes ☑ No

If yes, who and why? _____

- Are there any environmental liens encumbering the property? ☐ Yes ☑ No

If yes, describe. _____

- Have any on-site releases of substances ever impacted the property? ☐ Yes ☑ No

If yes, describe. _____

- Have any releases from adjoining properties ever impacted the property? ☐ Yes ☑ No

If yes, describe. Not to our Knowledge.

- Were any prior environmental assessments of the site ever completed? ☐ Yes ☑ No

If yes, describe. _____

- Do any of the following records exist that document the environmental status of the site? ☑ NONE

☐ Administrative notice of violation or noncompliance
☐ Air sampling investigation report
☐ Asbestos survey report
☐ CERCLA notice of potentially responsible party
☐ Emergency spill notification or response form

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

- ☐ Environmental site assessment report
- ☐ Environmental audit or survey report
- ☐ Groundwater sampling or investigation report
- ☐ Hazardous waste activity notification form
- ☐ PCB annual report
- ☐ Pollution control permits or registration form
- ☐ RCRA hazardous waste biannual/annual report
- ☐ RCRA hazardous waste manifest
- ☐ SARA Title III filings (Emergency Planning and Community Right-to-Know Act)
- ☐ Soil sampling/investigation report
- ☐ UST closure report
- ☐ UST notification/registration form
- ☐ Land usage permit or restriction form
- ☐ Other (specify) _____

If yes, describe. _____

- Has there ever been any environmental cleanup of the property? ☑ NONE

If yes, regulated under which of the following regulations/programs?

- ☐ CAA (VOCs, ACM, $SO_2$, CO, Pb, $O_3$)
- ☐ CWA (on-site WWTP, WW discharges)
- ☐ CERCLA / Superfund
- ☐ Hazardous materials spills
- ☐ RCRA (USTs, haz waste areas)
- ☐ SDWA (Pb, pesticides)
- ☐ State law or criminal liability (third party contamination suit)
- ☐ TSCA (PCBs)
- ☐ Voluntary cleanup (contaminated soil, water, air, structures)
- ☐ Other (specify below)

_____

- Has any equipment on the property been tested for PCBs? ☐ Yes ☑ No

If yes, what results?_____

- Have there been any known PCBs on the property? ☐ Yes ☑ No

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

If yes, in what equipment?

☐ Capacitor
☐ Cable / switch
☐ Circuit breaker
☐ Transformer
☐ Light ballast
☐ Heat exchanger
☐ Voltage regulator
☐ Hydraulic system
☐ Other (specify)

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- Have any of the following PCB-related activities occurred in association with the property? ☑ NONE

☐ Annual inventory reporting
☐ Decontamination of equipment
☐ Inspection report
☐ Treatment on-site
☐ Disposal off-site
☐ Release notification or response
☐ Other (specify)

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- Has there been any known illnesses or deaths of current or former site personnel, customers, or surrounding populations due to any of the following? ☑ NONE

☐ Air emissions
☐ Indoor air quality
☐ Asbestos
☐ Contaminated soil
☐ Groundwater
☐ Drinking water
☐ Chemical exposure
☐ Other (specify)

If yes, explain. _____

- Has any site leveling or fill material imported from off-site been used on the property?
☐ Yes ☑ No

If yes, what was the source? _____

If yes, where was the fill used? _____

- Is the site served by a public water supply? ☐ Yes ☐ No

- Are there any private water wells on the property? ☐ Yes ☐ No

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

If yes, have the wells ever been tested? ☐ Yes ☐ No

Results. _____

- Are any floor drains present on the property? ☐ Yes ☐ No

If yes, do floor drains empty directly into a ☐ sanitary sewer or ☐ storm sewer?

Explain. _____

If yes, is there any pre-treatment prior to discharge? ☐ Yes ☐ No

Explain. _____

If yes and connected to a storm sewer, what is the location of the outfall?

_____

- What utilities serve the property?

Electric. _____

Gas. _____

Telephone. _____

Water. _____

Sanitary. _____

Other. _____

- Are there any designated wetlands on the property or areas which may be considered wetlands? ☐ Yes ☐ No

If yes, describe. _____

- Have there ever been any pits, ponds, or lagoons on the property? ☐ Yes ☐ No

If yes, describe. _____

- Has there been any known ACMs or UF materials on site? ☐ Yes ☐ No

If yes, explain. _____

## PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

- Have any surveys been conducted, which may have involved materials sampling or indoor air sampling, to determine if ACMs or UF materials exist on site?

  ☐ Yes ☐ No

  If yes, explain. _____

- Have any of the following other ACM- / UF-related activities occurred on site?

  ☑ NONE

  ☐ ACM/UF abatement contracting
  ☐ ACM/UF processing or manufacturing
  ☐ ACM/UF sale or distribution
  ☐ Other (specify)

  _____

- Has there ever been any known radon on site? ☐ Yes ☑ No

  If yes, explain. _____

- Has there ever been any known radioactive materials manufacturing, processing, or handling activities on site or adjacent to the site? ☐ Yes ☑ No

  If yes, explain. _____

- Are there currently any CFCs on site? ☐ Yes ☑ No

  If yes, explain. _____