XXIII. APPENDICES

Appendix A – Air Quality Impacts
Appendix B – Biological Resources Assessment/MSHCP Compliance Analysis
Appendix C – Cultural Resources Assessment
Appendix D – Geotechnical Engineering Report
Appendix E1 – Phase I Environmental Site Assessment
Appendix E2 – Phase II – Soil Investigation
Appendix F – Project Specific Water Quality Management Plan
Appendix G – Hydrologic Analysis for Proposed Post-Development Site Condition
Appendix H – Trip Generation Memorandum

APPENDIX A – AIR QUALITY IMPACTS

Jacobs

Air Quality Analysis

Date: October 21, 2022

Project name: Nova Power Bank Project

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1. Introduction

The Nova Power Bank Project (Project) is a battery energy storage project. The Project will interconnect with the southern California electrical grid at Southern California Edison's Valley Substation using the facilities already in place at the decommissioned Inland Empire Energy Center (IEEC) located in Menifee, California. No additional transmission facilities will be needed. The Valley Substation is located approximately 0.52 mile east of the Project site. The Project will repurpose the former IEEC's operations buildings as well as many of the existing interconnections for water, recycled water, sewer, and retail electricity service. The Project expects to use lithium-ion, flow battery, or other battery technologies to store electrical energy from the grid for discharge when customer demand is high.

The Project is planned to occupy the former natural gas-fired power plant, the IEEC, which ceased operations in December 2019. Decommissioning and demolition of the IEEC are complete. The site is located within the City of Menifee immediately southeast of the community of Romoland, bounded by Antelope Road on the west; a concrete batch plant, Ethanac Road, and State Route (SR)-74 to the north, railroad tracks and Case Road on the northeast; Matthews Road and vacant parcel to the east; and a Riverside County Flood Control stormwater channel, electrical transmission corridor, and McLaughlin Road to the south (Figure 1). The project site consists of 49.87 acres, encompassing three Assessor's Parcel Numbers (APN) 331-180-020, 331-180-021, and 331-180-022.

This technical memorandum describes the regulatory setting for maintenance and improvement of air quality, air quality conditions in the Project area, and the potential air pollution impacts of the Project.



Legend

Project



Sources:
ESRI World Imagery, ESRI World Street Map

0 150 300 600
Feet
1 inch = 300 feet

Figure 1

Project Overview

Calpine Nova Project

Jacobs

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2. Regulatory Setting

2.1 Federal Regulations

2.1.1 Federal Clean Air Act and National Ambient Air Quality Standards

Federal air quality policies are regulated through the federal Clean Air Act (CAA). The U.S. Environmental Protection Agency (EPA) adopted the CAA in 1970 and its amendments in 1977 and 1990. Pursuant to the CAA, EPA has established nationwide air quality standards to protect public health and welfare with an adequate margin of safety. These federal standards, known as the national ambient air quality standards (NAAQS), represent the maximum allowable atmospheric concentrations and were developed for the criteria pollutants including ozone (O_3), carbon monoxide (CO), nitrogen dioxide (NO_2), particulate matter with aerodynamic diameter equal to or smaller than 10 micrometers (PM_{10}), particulate matter with aerodynamic diameter equal to or smaller than 2.5 micrometers ($PM_{2.5}$), sulfur dioxide (SO_2), and lead (Pb). The NAAQS represent safe levels of each pollutant to avoid specific adverse effects to human health and the environment. Table 2-1 provides a summary of the NAAQS.

Table 2-1. Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	CAAQS[a]	NAAQS[b]	
			Primary[c]	Secondary[d]
CO	8 hours 1 hour	9.0 ppmv 20 ppmv	9 ppmv 35 ppmv	– –
H_2S	1 hour	0.03 ppmv	–	–
NO_2	Annual arithmetic mean 1 hour	0.03 ppmv 0.18 ppmv	0.053 ppmv 0.100 ppmv	0.053 ppmv –
O_3	8 hours 1 hour	0.070 ppmv 0.09 ppmv	0.070 ppmv –	0.070 ppmv –
Pb[e]	Calendar quarter Rolling 3-month average 30-day average	– – 1.5 µg/m^3	1.5 µg/m^3 (certain areas) 0.15 µg/m^3 –	1.5 µg/m^3 – –
$PM_{2.5}$	Annual arithmetic mean 24 hours	12 µg/m^3 –	12 µg/m^3 35 µg/m^3	15 µg/m^3 35 µg/m^3
PM_{10}	Annual arithmetic mean 24 hours	20 µg/m^3 50 µg/m^3	– 150 µg/m^3	– 150 µg/m^3
SO_2	24 hours 3 hours 1 hour	0.04 ppmv – 0.25 ppmv	– – 0.075 ppmv[f]	– 0.5 ppmv –
Sulfates	24 hours	25 µg/m^3	–	–
Vinyl chloride[e]	24 hours	0.01 ppmv	–	–
Visibility-reducing particles	8 hours	–[g]	–	–

[a] CAAQS for O_3, CO (except Lake Tahoe), SO_2 (1 hour and 24 hours), NO_2, and suspended particulate matter (PM_{10}, $PM_{2.5}$, and visibility-reducing particles) are not to be exceeded. All others are not to be equaled or exceeded.

[b] NAAQS other than for O_3 and particulate matter, based on annual averages or annual arithmetic means, are not to be exceeded more than once a year, as follows:

For O_3, the 8-hour standard is attained when the fourth highest 8-hour concentration in a year, averaged over 3 years, is equal to or less than the standard.

For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration exceeding 150 µg/m^3 is equal to or less than 1.

For $PM_{2.5}$, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, is equal to or less than the standard.

[c] NAAQS Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

[d] NAAQS Secondary Standards: The levels of air quality necessary to protect the public welfare from known or anticipated adverse effects of a pollutant.

[e] CARB has identified Pb and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. CARB made this determination following the implementation of control measures at levels less than the ambient concentrations specified for these pollutants.

[f] Final Rule signed June 2, 2010. To attain this standard, the 3-year average of the 99th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 75 ppb.

[g] In 1989, CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "…extinction of 0.23 per kilometer" and "…extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

- = not applicable

$\mu g/m^3$ = microgram(s) per cubic meter

CARB = California Air Resources Board

H_2S = hydrogen sulfide

ppb = part(s) per billion

ppmv = part(s) per million by volume

TAC = toxic air contaminant

EPA classifies areas as being in attainment or nonattainment with the NAAQS for each criteria pollutant. A region that constantly meets the NAAQS for a pollutant is designated as being in attainment for that pollutant. A region that does not meet the NAAQS for a pollutant is designated as being in nonattainment for that pollutant. An area that was previously designated as a nonattainment area but has met the standard and has been reclassified by EPA as attainment with a maintenance plan is designated as a maintenance area.

For nonattainment areas, the states are required to formulate and submit a State Implementation Plan (SIP) to EPA to detail how the state would attain and maintain the NAAQS within the required time frame. The SIP serves as a tool to help avoid and minimize emissions of nonattainment criteria pollutants and their precursor pollutants and achieve compliance with the NAAQS. In 1990, the CAA was amended to strengthen the regulation of both stationary and mobile emission sources.

2.1.2 Hazardous Air Pollutants

Controlling toxic air emissions became a national priority with the passage of the 1990 CAA Amendments, whereby Congress mandated that the EPA regulate 188 air toxics, also known as hazardous air pollutants (HAPs). Prior to the 1990 CAA Amendments, EPA created a program to establish national emission standards for HAPs (EPA 2022b). In 1994, EPA began issuing the new standards, while national emission standards set before 1991 remain applicable. In addition, in February 2007, EPA finalized the rule *Control of Hazardous Air Pollutants from Mobile Sources* to reduce HAPs from mobile sources (EPA 2007).

2.2 State Regulations

2.2.1 California State Ambient Air Quality Standards

CARB oversees California air quality policies. California Ambient Air Quality Standards (CAAQS) were first established in 1969 pursuant to the Mulford-Carrell Act. These standards are generally more stringent than the NAAQS and include four additional pollutants: sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particulates. Table 2-1 list the CAAQS relevant to this Project.

The California CAA, which was approved in 1988, requires each local air district where ambient concentrations violate the CAAQS to prepare an air quality management plan (AQMP) to achieve compliance with the CAAQS as a part of the SIP. CARB has ultimate responsibility for the SIP for nonattainment pollutants but relies on each local air district to adopt mandatory statewide programs and

provide additional strategies for sources under its jurisdiction. The SIPs are a compilation of new and previously submitted plans, programs (for example, monitoring, modeling, permitting), district rules, state regulations, and federal controls.

2.2.2 Toxic Air Contaminants

California regulates TACs through its Air Toxics Program, which is mandated in Chapter 3.5 of the Health and Safety Code – Toxic Air Contaminants, and Part 6 – Air Toxics Hot Spots Information and Assessment (California Health and Safety Code, Sections 39660 et seq. and 44300 et seq., respectively). The California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, completed a comprehensive health assessment of diesel exhaust in 1998. The assessment formed the basis for a CARB decision to formally identify particulate matter in diesel exhaust as a TAC that may pose a threat to human health (CARB 1998).

CARB has adopted a series of airborne toxic control measures for mobile and stationary sources that are intended to reduce overall diesel exhaust emissions in California. CARB also adopted two airborne toxic control measures for controlling naturally occurring asbestos: (1) the Asbestos Airborne Toxic Control Measure for Surfacing Applications and (2) the Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations. CARB and local air districts have the authority to enforce the federal National Emission Standards for HAPs regulations for asbestos (CARB 2022a).

2.3 Regional Regulations

2.3.1 South Coast Air Quality Management District

The Project area in Riverside County is located within the South Coast Air Basin (SCAB) under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD is the local agency responsible for ensuring that federal and state ambient air quality standards are attained and maintained in the basin. SCAQMD has developed air quality plans for O_3, PM_{10}, and $PM_{2.5}$ to establish strategies to attain the air quality standards. The latest approved regional air quality plan, the 2016 AQMP, was adopted by SCAQMD in March 2017. The 2016 AQMP identifies strategies and control measures needed to achieve attainment of the 8-hour ozone standard and federal annual and 24-hour standard for $PM_{2.5}$ in the South Coast Air Basin (SCAQMD 2017).

The SCAQMD is the regional agency responsible for rulemaking, permitting, and enforcement activities affecting stationary sources in the South Coast Air Basin. Specific rules and regulations adopted by the SCAQMD limit the emissions that can be generated by various activities and identify specific pollution reduction measures that must be implemented in association with various activities. These rules regulate not only emissions of the criteria air pollutants, but also air toxic emissions and acutely hazardous nonradioactive materials emissions. Any sources of stationary emissions constructed as part of a project would be subject to SCAQMD rules and regulations. Applicable rules include the following:

- Rule 401: Visible Emissions
- Rule 402: Nuisance
- Rule 403: Fugitive Dust

3. Environmental Setting

3.1 Attainment Status

California is divided geographically into air basins to manage the state's air resources regionally (CARB 2022b). The Project is located in the City of Menifee, California, which is in the portion of Riverside County within the South Coast Air Basin.

The portion of Riverside County within the South Coast Air Basin has been designated by EPA as in nonattainment status for O_3, Pb, and $PM_{2.5}$, meaning that the area does not meet the NAAQS for these pollutants (EPA 2022a). The area is in maintenance status for CO, NO_2, and PM_{10}, meaning that the area was previously in nonattainment for these pollutants but is currently meeting the pollutants' national standards under a maintenance plan. The area is in attainment for SO_2 (EPA 2022c).

Under CAAQS (CARB 2016), the area is designated as nonattainment for O_3, PM_{10}, and $PM_{2.5}$ and as attainment for CO, NO_2, Pb, and SO_2. Riverside County is also in attainment of the CAAQS for sulfates and H_2S. Table 3-1 summarizes the attainment status of each pollutant under the federal and state standards.

Table 3-1. State and National Attainment Status for Riverside County[a]

Pollutant	Riverside County (South Coast Air Basin)	
	CAAQS Status	NAAQS Status
CO	Attainment	Attainment/Maintenance
NO_2	Attainment	Attainment/Maintenance
O_3	Nonattainment	Nonattainment (Extreme)
Pb	Attainment	Attainment
PM_{10}	Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Nonattainment (Serious)
SO_2	Attainment	Attainment
H_2S	Unclassified	No standard
Sulfates	Attainment	No standard
Visibility-reducing particles	Unclassified	No standard
Vinyl chloride	Attainment	No standard

Sources: CARB 2020; EPA 2022c

[a] Portion of Riverside County within the South Coast Air Basin

3.2 Sensitive Receptors

A sensitive receptor is a person in the population who is particularly susceptible to health effects due to exposure to an air contaminant. Certain population groups, such as children, the elderly, and acutely and chronically ill persons (especially those with cardiorespiratory diseases), are considered more sensitive to the potential effects of air pollution than others. Some examples of facilities with sensitive receptors include schools, playgrounds/parks, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, hospitals, retirement homes, and residences (SCAQMD 2005).

The land use surrounding the Project area is mixed residential and commercial land uses, with nearby residential areas located to the northwest, north, and southwest, and commercial land uses to the west, east, and south. The nearest areas with sensitive receptors are residences approximately 850 feet northwest of the site boundary and Eller Park, which is 730 feet north of the site boundary. The nearest school is Romoland Elementary School, approximately 1,370 feet north of the site boundary.

4. Assessment Methods and Thresholds of Significance

The significance thresholds used to evaluate the Project impacts associated with air quality are outlined in Appendix G of California Code of Regulations Title 14, Division 6, Chapter 3 (California Environmental Quality Act [CEQA] Guidelines). According to these guidelines, a significant impact related to air quality would occur if a project would meet one of the following criteria:

- Conflict with or obstruct implementation of the applicable air quality plan

- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard
- Expose sensitive receptors to substantial pollutant concentrations
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people

4.1 South Coast Air Quality Management District California Environmental Quality Act Air Quality Significance Thresholds

The air quality impacts of the Project were evaluated following the SCAQMD's CEQA Air Quality Analysis Guidance Handbook (1993, updated through 2022), and SCAQMD air quality significance thresholds (SCAQMD 2019) were used to determine whether the Project would have significant impacts on air quality.

The SCAQMD's air quality significance thresholds set quantitative emissions significance thresholds (SCAQMD 2019); if a project results in air quality impacts less than these thresholds, it will not have a significant impact on ambient air quality under project level and cumulative conditions. Project emissions from construction and operation were estimated and compared to the significance thresholds, as shown in Table 4-1. If the estimated daily project emissions would be less than the significance thresholds, impacts would be considered less than significant. If the daily emissions would be greater than the significance thresholds, impacts would be considered significant. While SCAQMD also has thresholds for Pb emissions, the Project is not expected to have meaningful Pb emissions; therefore, Pb emissions are not further discussed.

Table 4-1. SCAQMD Air Quality CEQA Significance Thresholds

Air Pollutant	Construction Threshold (lbs/day)	Operation Threshold (lbs/day)
NO_X	100	55
VOC/ROG[a]	75	55
PM_{10}	150	150
$PM_{2.5}$	55	55
SO_x	150	150
CO	550	550

Source: SCAQMD 2019

[a] ROG and VOC are interchangeable in this report.

lbs/day = pound(s) per day

NO_x = nitrous oxides

ROG = reactive organic gases

SO_x = sulfur oxides

VOC = volatile organic compounds

4.2 South Coast Air Quality Management District Localized Significance Thresholds

The localized significance thresholds (LSTs) methodology was developed by SCAQMD to assist CEQA lead agencies in analyzing localized air quality impacts from proposed projects (SCAQMD 2008). It is a screening methodology that allows users to determine whether a project would cause or contribute to an exceedance of the NAAQS or CAAQS for each source receptor area instead of conducting a dispersion modeling analysis. The LST is set up as a series of lookup tables for emissions of CO, NO_x, PM_{10}, and $PM_{2.5}$.

The use of SCAQMD's LSTs is voluntary, and it is used for this study as reference levels to evaluate the localized impacts on nearby receptors. The Project is located within Source Receptor Area 24, in Perris Valley. The applicable LSTs are at a receptor distance of 200 meters from the site for each construction

phase (Table 4-2). This receptor distance was chosen because it is closest to the distance to the nearest sensitive receptor from the facility fence line, which is 730 feet (222 meters). The site size was the acreage disturbed during each construction phase. If proposed construction and operational emissions would be less than LST levels, the Project would not cause significant localized impacts on nearby receptors. Operation of the Project would have minimal emissions due to the infrequent maintenance activities; therefore, operational emissions were not analyzed under the LST.

Table 4-2. Localized Significance Thresholds for Perris Valley (Source Receptor Area 24)

Activity	Project Size[a]	Receptor Distance (meters)	CO	NO_x (lbs/day)	$COPM_{10}$ (lbs/day)	$PM_{2.5}$ (lbs/day)
Construction Phase 1	12.0	200	6,860	488	96	31
Construction Phase 2	2.6	200	5,136	379	75	23
Construction Phase 3	2.6	200	5,136	379	75	23

Source: SCAQMD 2008

[a] The Project size for each construction phase is estimated to be the acreage disturbed during each construction phase. For Construction Phase 1, LST values for a Project size of 5 acres were used, and for Construction Phases 2 and 3, LST values for a Project size of 2 acres were used, to be conservative.

5. Air Quality Impacts

Air quality impacts associated with Project construction were analyzed according to the anticipated construction activities. The Project would cause temporary, less than significant air quality impacts from construction emissions. Operation emissions from the Project are anticipated to be negligible. The only emission source during Project operation would be the limited number of equipment and vehicle trips to the site for maintenance. The Project would not expose sensitive receptors to substantial pollutant concentrations and would not affect a substantial number of people with objectionable odor. The Project is not expected to conflict with the regional air quality plans or cause new violations to the NAAQS and CAAQS. Detailed impact discussions are presented in the following subsections.

a. Will the Project conflict with or obstruct implementation of the applicable air quality plan? Less than significant impact

Construction of the proposed Project would produce emissions of nonattainment pollutants primarily from diesel combustion equipment and fugitive dust during ground-disturbing activities and from on-road automobiles. The applicable air quality plan for the Project area is the SCAQMD 2016 AQMP (SCAQMD 2017). The SCAQMD AQMP proposes emission-reduction measures that are designed to bring the SCAB into attainment of the CAAQS and NAAQS. Because AQMP attainment strategies include mobile source control measures and clean fuel projects that are enforced at the state and federal levels on engine manufacturers and petroleum refiners and retailers, proposed Project activities would comply with these control measures. SCAQMD also adopts AQMP control measures into the SCAQMD rules and regulations, which are then used to regulate sources of air pollution in the SCAB. The Project would comply with applicable rules, including control measures in Rule 403 for fugitive dust control. Compliance with these requirements would further ensure that the proposed Project's activities would not obstruct implementation of the AQMP.

Consistency with the AQMP planning assumptions and standards is also analyzed by evaluating whether the Project's emissions would exceed the CEQA significance thresholds. As further discussed in the following section in Table 5-1, air emissions from the Project construction would be below the SCAQMD CEQA thresholds that were developed to ensure the implementation of the AQMD and other air quality

related plans and regulations. As such, the Project would not conflict with or obstruct implementation of the applicable air quality plan during Project construction.

Operation of the proposed Project would have negligible impacts due to minimal emissions from infrequent maintenance activities.

b. Will the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard? Less than significant impact

Under NAAQS, the Project area is currently designated as nonattainment for O_3 and $PM_{2.5}$ standards. The area is in maintenance for CO, NO_2, and PM_{10}. Under CAAQS, the area is currently designated as nonattainment for O_3, PM_{10}, and $PM_{2.5}$ (Table 3-1).

The Project involves construction of a nominal battery energy storage plant that has the potential to generate temporary air pollutants during the construction phase, including exhaust emissions from construction equipment and vehicles, as well as fugitive dust emissions from earthmoving activities or vehicles traveling on both paved and unpaved roads. Construction impacts were determined by comparing the proposed Project's peak day construction emissions to SCAQMD's CEQA emission thresholds.

Construction emissions of ozone precursors including ROG and NO_x, CO, SO_2, PM_{10}, and $PM_{2.5}$ were estimated using the California Emissions Estimator Model (CalEEMod) (CAPCOA 2021). Construction emissions included those from the following sources:

- Exhaust emissions of ROG, NO_x, CO, SO_2, PM_{10}, and $PM_{2.5}$ from off-road construction equipment
- Exhaust emissions ROG, NO_x, CO, SO_2, PM_{10}, and $PM_{2.5}$, from on-road vehicle trips, including worker commute, vendor trips, and haul truck trips
- Fugitive dust emissions of PM_{10} and $PM_{2.5}$ from onsite earthmoving activities and offsite vehicle travel

Annual and maximum daily emissions were calculated for project construction and are summarized in Tables 1 and 2 of Attachment 1. Construction emission calculations were based on the projected construction schedule and durations and anticipated equipment and vehicle usage. CalEEMod default values were used when Project-specific information was not available. Tables 3 and 4 in Attachment 1 provide the information for construction phasing and schedule, construction activities, equipment usage and vehicle trips, and CalEEMod modeling outputs.

To compare with the SCAQMD CEQA emission thresholds, maximum daily emissions were estimated based on a single day scenario with anticipated overlapping construction activities, as shown in Attachment 1, Table 3. Overlapping daily emissions were estimated for 2023, 2024, and 2026 when the worst-case overlapping construction activities would occur. It was assumed that all construction equipment involved in the overlapping construction activities could be operating on the same day. In addition, while the total grading area would be 7.41 acres for the entire project construction duration, the maximum daily emission calculations were calculated based on a conservative assumption that the project would grade one acre per day. A summary of the maximum daily construction emissions and comparison to the SCAQMD CEQA thresholds are shown in Table 5-1.

Table 5-1. Maximum Daily Construction Emissions in Comparison to SCAQMD CEQA Thresholds

	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	SO_2 (lbs/day)	PM_{10} (lbs/day)	$PM_{2.5}$ (lbs/day)
2023	4.88	43.57	50.30	0.13	3.96	2.14
2024	3.79	30.03	41.72	0.10	2.86	1.61
2026	9.44	84.35	112.99	0.29	7.82	4.10
Maximum Daily	9.44	84.35	112.99	0.29	7.82	4.10
SCAQMD CEQA Thresholds	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

As shown in Table 5-1, Project construction emissions would be less than the SCAQMD CEQA thresholds. In addition, the Project would comply with fugitive dust control requirements as specified in SCAQMD Rule 403 and implement best management practices (BMPs) to minimize construction emissions.

Specifically, the Project would comply with fugitive dust control requirements specified in SCAQMD Rule 403, including the following:

- General – Apply water in sufficient quantities to prevent the generation of visible dust plumes. Implement BMPs from the BMP manual to prevent vehicle track-out.
- For bulk materials – Maintain storage piles to avoid steep sides or faces.
- For trenching – Stabilize surface soils where trencher or excavator and support equipment would operate and stabilize soils at the completion of trenching activities. For deep trenching activities, pretrench to 18 inches, soak soils via the pretrench, and resume trenching. Wash mud and soils from equipment at the conclusion of trenching activities to prevent crusting and drying of soil on equipment.
- For backfilling – Stabilize backfill material and soil. Empty loader bucket slowly so that no dust plumes are generated. Minimize drop height from loader bucket.
- For staging areas – Stabilize staging areas during use and stabilize staging area soils at Project completion. Limit the size of staging areas. Limit vehicle speeds to 15 miles per hour. Limit the number and size of staging area entrances and exits.
- For off-road traffic and parking areas – Stabilize all off-road traffic and parking areas, and direct construction traffic over established routes. Barriers would be used to ensure vehicles are only used on established parking areas and routes.
- Truck loading and material transport – Use tarps or suitable enclosures on haul trucks, prewater material prior to loading, and ensure 6 inches of freeboard.

The facility will be operated by only two (2) to three (3) staff members Other emission sources would be from the infrequent maintenance activities. Therefore, operation emissions of the Project would be minimal and would not have emissions exceeding the CEQA thresholds.

According to the SCAQMD white paper Potential Control Strategies to Address Cumulative Impacts from Air Pollution, Appendix D Cumulative Impact Analysis Requirements Pursuant to CEQA (SCAQMD 2003), projects that do not exceed the significance thresholds are generally not considered to be cumulatively significant. As shown in Table 5-1, the emissions during construction of nonattainment pollutants (PM_{10}, $PM_{2.5}$, and ozone precursors [NO_x and ROG]), would not exceed the CEQA Thresholds of Significance set by SCAQMD. Therefore, the cumulative impact from the proposed Project construction would be less than significant.

c. **Will the Project expose sensitive receptors to substantial pollutant concentrations?** Less than significant impact

The Project is located in rural areas away from sensitive receptors. Because temporary constructions would occur during the Project's construction phase, SCAQMD's LST methodology was used to further evaluate localized ambient air quality impacts of criteria pollutants to nearby receptors. Equipment and vehicle

exhaust emissions and fugitive dust emissions from the Project's construction sites were compared to the LST thresholds appropriate to the source receptor area, site acreage, and distance to the nearest receptor per the SCAQMD policy (SCAQMD 2008).

The total areas to be disturbed during construction vary from approximately 11 acres to 2.57 acres depending on the construction phases. The nearest sensitive receptors are 730 feet (222 meters) from the facility fence line.

Table 5-2 summarizes the worst-case daily emissions during Project construction in comparison to SCAQMD LSTs. These emissions included both the onsite and offsite construction emissions. The table shows that the worst-case daily construction emissions from the Project would not exceed SCAQMD LSTs even when the emissions included those from offsite vehicles. Because the LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest receptors, the Project construction emissions would not expose nearby sensitive receptors to substantial concentrations of criteria pollutants. The impacts are expected to be less than significant.

Table 5-2. Maximum Daily Construction Emissions in Comparison to SCAQMD LSTs

	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	SO_2 (lbs/day)	PM_{10} (lbs/day)	$PM_{2.5}$ (lbs/day)
Maximum Daily Emissions	9.44	84.35	112.99	0.29	7.82	4.10
SCAQMD LSTs for Perris Valley (Source Receptor Area 24)[a]	N/A	379	5,136	N/A	75	23

[a] To be conservative, the lowest (most stringent) LSTs for the Project were taken from Table 4-2 for comparison.
N/A = not applicable

Exhaust emissions from construction equipment would also contain TACs, such as diesel particulate matter, that have potential cancer and noncancer chronic health effects. Construction activities would be short term and limited to a relatively small area where only a few pieces of construction equipment would be operating at a time. Exposures from the construction activity TAC emissions would be short term in nature, and long-term exposure to diesel particulate matter from construction would not occur. In addition, Project construction is required to implement BMPs and follow the emission control measures, including minimizing idling times and maintaining equipment in good condition. These measures would help minimize exposure of nearby receptors to construction-related pollutants.

The facility will be operated by two (2) to three (3) staff members and the maintenance activities would be infrequent; therefore, emissions during Project operation would be minimal and would not cause substantial exposure to the nearby receptors.

d. Will the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? Less than significant impact

During construction, odor emissions could occur from diesel-powered construction equipment and vehicles. Such odors would be short term and limited to the immediate vicinity of the activity. As feasible, construction equipment and truck traffic would be located or routed away from local neighborhoods or sensitive receptor areas.

During operation, the facility will be operated by two (2) to three (3) staff members and maintenance activities would be infrequent and only require a limited number of vehicles and equipment. No other odor sources are expected from operation of the Project. Therefore, air quality impacts associated with odors during construction and operation would be less than significant.

6. Mitigation Measures

Because air quality impacts of the proposed Project are expected to be less than significant, no air quality mitigation is required.

7. References

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Attachment 1

Construction Emissions
Nova Power Bank Project

Table 1. Maximum Daily Emissions [2,3]

Pollutant	ROG	NO_x	CO	SO_2	Fugitive PM_{10}	Exhaust PM_{10}	PM_{10} Total	Fugitive $PM_{2.5}$	Exhaust $PM_{2.5}$	$PM_{2.5}$ Total
Unit	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
2023	4.88	43.57	50.30	0.13	2.38	1.80	3.96	0.44	1.71	2.14
2024	3.79	30.03	41.72	0.10	1.63	1.23	2.86	0.44	1.16	1.61
2026	9.44	84.35	112.99	0.29	4.65	3.17	7.82	1.10	3.00	4.10
Maximum Daily	9.44	84.35	112.99	0.29	4.65	3.17	7.82	1.10	3.00	4.10
SCAQMD Threshold [1]	75	100	550	150	N/A	N/A	150	N/A	N/A	55
Exceeds Threshold?	No	No	No	No	N/A	N/A	No	N/A	N/A	No

Notes:
N/A = Not Applicable
SCAQMD = South Coast Air Quality Management District
1. SCAQMD Air Quality Significance Thresholds: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.
2. Construction emissions were modeled using CalEEMod Version 2020.4.0.
- CalEEMod default settings were used when project specific information was not available.
- EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule were not applied in the analysis because the SAFE Vehicles Rule Part One was repealed by NHTSA, effective January 28, 2022 (Federal Register, 74236).
3. Assumptions used in the maximum daily emission estimates in CalEEMod:
- Daily emissions were estimated based on a worst-case day scenario, with overlapping construction activities as shown in Table 3. Construction years were assumed to start in 2023 for Phase 1, 2024 for Phase 2, and 2026 for Phase 3.
- It was assumed construction equipment of the overlapping construction activities could be operating on the same day.
- Dump trucks were treated as a heavy heavy-duty trucks. The emissions were estimated based on anticipated vehicle miles traveled (VMT) instead of hours operated, as haul truck trips. A daily VMT of 30 miles were used for each onsite dump truck.
- Pickup trucks were treated as medium duty trucks. The emissions were estimated based on anticipated VMT instead of hours operated, as vendor trips. A daily VMT of 120 miles were used for each pickup truck.
- One-way trip distance was assumed to be 15 miles per trip for all worker commute, vendor trips, and haul truck trips.
- Paving was estimated to be completed in 44 days. To be conservative, the entire parking lot acreage for the site was assumed to be paved in CalEEMOD calculations.
- The project is not anticipated to have export or import of soil during construction .

Table 2. Annual Emissions [1,2]

Pollutant	ROG	NO_x	CO	SO_2	Fugitive PM_{10}	Exhaust PM_{10}	PM_{10} Total	Fugitive $PM_{2.5}$	Exhaust $PM_{2.5}$	$PM_{2.5}$ Total	Total CO_2	CH_4	N_2O	CO_2e
Unit	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	metric tons/yr	metric tons/yr	metric tons/yr	metric tons/yr
2023	0.244	1.915	2.434	0.007	0.173	0.077	0.251	0.046	0.073	0.119	600.441	0.103	0.020	608.820
2024	0.207	1.516	2.156	0.006	0.186	0.059	0.245	0.049	0.056	0.105	528.221	0.085	0.017	535.379
2025	0.034	0.200	0.403	0.001	0.060	0.008	0.067	0.016	0.007	0.023	94.621	0.010	0.003	95.776
2026	0.069	0.448	0.723	0.002	0.098	0.016	0.114	0.026	0.015	0.041	198.436	0.030	0.007	201.119
2027	0.068	0.442	0.705	0.002	0.097	0.016	0.113	0.026	0.015	0.041	194.257	0.029	0.006	196.858
Maximum Annual	0.244	1.915	2.434	0.007	0.186	0.077	0.251	0.049	0.073	0.119	600.441	0.103	0.020	608.820

Notes:
SCAQMD = South Coast Air Quality Management District
1. Construction emissions were modeled using CalEEMod Version 2020.4.0.
- CalEEMod default settings were used when project specific information was not available.
- EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule were not applied in the analysis because the SAFE Vehicles Rule Part One was repealed by NHTSA, effective January 28, 2022 (Federal Register, 74236).
2. Assumptions used in the maximum daily emission estimates in CalEEMod:
- Not all equipment would operate onsite every day. Equipment operating hours per day used in the CalEEMod for annual construction emission calculation were calculated by dividing the total equipment hours for the entire phase by the number of days in that phase.
- Dump trucks were treated as a heavy heavy-duty trucks. The emissions were estimated based on anticipated vehicle miles traveled (VMT) instead of hours operated, as haul truck trips. A daily VMT of 30 miles were used for each onsite dump truck.
- Pickup trucks were treated as medium duty trucks. The emissions were estimated based on anticipated VMT instead of hours operated, as vendor trips. A daily VMT of 120 miles were used for each pickup truck.
- One-way trip distance was assumed to be 15 miles per trip for all worker commute, vendor trips, and haul truck trips.
- Paving was estimated to be completed in 44 days. To be conservative, the entire parking lot acreage for the site was assumed to be paved in CalEEMOD calculations.
- The project is not anticipated to have export or import of soil during construction .

Construction Emissions
Nova Power Bank Project

Table 3. Construction Schedule in Phases [1]

Phase	1			2	3
Date Range	**6/1/2023 - 6/1/2024**			**8/1/2024 - 6/1/2025**	**8/1/2026 - 6/1/2027**
Construction Activity (% Completion)	Site (75%)				
		Building (100%)			
		Switchyard and Substation (75%)			
			BESS Field (65%)		
				BESS Field (20%)	
					Site (25%)
					Switchyard and Substation (25%)
					BESS Field (15%)
Maximum Daily Emission Modeling Scenario Date	6/1/2023	6/2/2023	6/3/2023	8/1/2024	8/3/2026

Note:

1. Maximum daily emission modeling scenario dates were used in CalEEMod to identify the year of actifities so that emission factors for the corresponding years could be applied in the CalEEMod modeling. This approach is for the purpose of estimating the daily emissions of different overlapping scenarios on different days. These dates do not represent the actual dates when the activities would occur.

2. The above estimated schedule was assumed based on discussions with Frank Escobedo/Calpine and the below information provided via email:

Phases	
Phase 1	Start 6/1/2023 End 6/1/2024
Phase 2	Start 8/1/2024 End 6/1/2025
Phase 3	Start 8/1/2026 End 6/1/2027
Construction Activity	
Site	
Phase 1 6/1/23 – 6/1/24: 75%	
Phase 3 8/1/26 – 6/1/27: 25%	
Building	
Phase 1 6/1/23 – 6/1/24: 100%	
Switchyard and Substation	
Phase 1 6/1/23 – 6/1/24: 75%	
Phase 3 8/1/26 – 6/1/27: 25%	
BESS Field	
Phase 1 6/1/23 – 6/1/24: 65%	
Phase 2 8/1/24 – 6/1/25: 20%	
Phase 3 8/1/26 – 6/1/27: 15%	

Construction Emissions
Nova Power Bank Project

Table 4. Project-Specific Construction Information
4.1 Construction Information

Description	Units	Phase #1	Phase #2	Phase #3
Phasing Information (start and end month for each)	mm/yy - mm/yy	06/23 - 06/24	08/24 - 06/25	08/23 - 06/27
Working days per week	days/week	5	5	5
Total area to be disturbed:	acres	11.99	2.57	2.57
Area Graded (total)	acres	4.45	N/A	2.96
Area Graded (maximum daily)	acres	0.21	N/A	0.21
Amount of soil excavation	cy	2324	N/A	N/A
Amount of soil exported	cy	N/A	N/A	N/A
Amount of soil imported	cy	N/A	N/A	N/A
Demolition (total)	sf	12402.00	N/A	N/A
Demolition (maximum daily)	sf	286.29	N/A	N/A
Concrete (to estimate concrete truck trips)	cy	341.15	73.10	73.10
Asphalt Paving	acres	1.45	0.52	N/A

Notes:
N/A = Not Applicable
cy = cubic yards
sf = square feet

4.2 Onsite Construction Equipment Information

Activities	Construction Equipment Name	Number of Equipment	# Days per equipment	Hours per Day per equipment
Site (75% activities in Phase 1, 25% activities in Phase 2)	Dozers / Graders	2	35.2	7.5
	Track Hoes	2	43.3	7.5
	Dump Trucks [1]	5	43.3	7.5
	Small Portable Generators	4	37.9	7.5
	Delivery Trucks	1	43.3	0.3
	Concrete Trucks	2	4.3	1.0
	Bobcats	2	43.3	7.5
	All Terrain Forklift	1	43.3	7.5
	Sheepsfoot Roller	1	43.3	7.5
	Paving Equipment (set)	1	13.0	7.5
	Water Truck	2	259.9	7.5
	Pickup Trucks [1]	4	37.9	7.5
Building (100% activities in Phase 1)	Track Hoes	1	10.8	7.5
	Dump Trucks [1]	1	10.8	7.5
	Small Portable Generators	2	21.7	7.5
	Delivery Trucks	1	21.7	0.3
	Concrete Trucks	4	4.3	1.0
	Concrete Pump Truck	1	2.2	7.5
	Bobcats	1	21.7	7.5
	All Terrain Forklift	1	43.3	7.5
	Pickup Trucks [1]	3	21.7	7.5
Switchyard, Substation (75% activities in Phase 1, 25% activities in Phase 3)	Track Hoes	2	37.9	7.5
	Dump Trucks [1]	2	37.9	7.5
	Small Portable Generators	3	43.3	7.5
	Crane	1	65.0	7.5
	Delivery Trucks	4	36.1	1.0
	Concrete Trucks	2	32.5	1.0
	Bobcats	2	36.1	7.5
	All Terrain Forklift	1	36.1	7.5
	Digger Derrick	1	60.0	7.5
	Pickup Trucks [1]	4	36.1	7.5
BESS Field (65% activities in Phase 1, 20% activities in Phase 2, 10% activities in Phase 3)	Track Hoes	2	130.0	7.5
	Dump Trucks [1]	2	130.0	7.5
	Small Portable Generators	4	135.4	7.5
	Crane	1	151.6	7.5
	Delivery Trucks	4	135.4	0.3
	Concrete Trucks	2	26.0	1.0
	Concrete Pump Truck	1	13.0	7.5
	Bobcats	4	135.4	7.5
	All Terrain Forklift	2	173.3	7.5
	Pickup Trucks [1]	4	135.4	30.0

Notes:

1. Emissions of Dump Trucks and Pickup Trucks were estimated based on vehicle miles traveled instead of hours operated. Converted vehicle trip information are in the following table "Vehicle Information". Assumptions used for these vehicles are described in Table 1 and Table 2.

4.3 Vehicle Information [1]

Activities	Vehicle Type	Number of Round Trips/Day	Miles/Round Trip	# Days	% on Unpaved Road
Site (75% activities in Phase 1, 25% activities in Phase 2)	Worker Commute	12	30	269.4	0%
	Haul Trucks	5	30	173.3	0%
	Dump Trucks [2]	5	30	43.3	0%
	Concrete Trucks	2	30	2.0	0%
	Pickup Trucks [2]	16	30	37.9	0%
Building (100% activities in Phase 1)	Worker Commute	6	30	16.2	0%
	Haul Trucks	N/A	N/A	N/A	0%
	Dump Trucks [2]	1	30	10.8	0%
	Concrete Trucks	4	30	4.3	0%
	Pickup Trucks [2]	12	30	21.7	0%
Switchyard, Substation (75% activities in Phase 1, 25% activities in Phase 3)	Worker Commute	12	30	43.3	0%
	Haul Trucks	4	30	5.0	0%
	Dump Trucks [2]	2	30	37.9	0%
	Concrete Trucks	2	30	4.3	0%
	Pickup Trucks [2]	16	30	36.1	0%
BESS Field (65% activities in Phase 1, 20% activities in Phase 2, 10% activities in Phase 3)	Worker Commute	45	30	135.4	0%
	Haul Trucks	2	30	130.0	0%
	Dump Trucks [2]	2	30	130.0	0%
	Concrete Trucks	2	30	26.0	0%
	Pickup Trucks [2]	16	30	135.4	0%

Notes:

N/A = Not Applicable

1. Not all equipment or vehicles would be operating everyday during a construction phase. The equipment daily operating hours and vehicle trips were adjusted for CalEEMod modeling in order to calculate the maximum daily or annual construction emissions. See Tables 1, 2, 3, and the CalEEMod output files for assumptions/adjustments and the specific modeling inputs.

2. Dump Trucks and Pickup Truck trips and travel distances were estimated based on the anticipated hours of operation. Assumptions used for these vehicles are described in Table 1 and Table 2.

Nova Power Bank Project - Riverside-South Coast County, Winter

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

Nova Power Bank Project

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.34	1000sqft	0.58	25,337.00	0
Other Non-Asphalt Surfaces	403.23	1000sqft	9.26	403,227.00	0
Parking Lot	193.65	1000sqft	4.45	193,646.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Data from Data Request

Construction Phase - Adjusted start and end dates per data request, and then total days changed.

Off-road Equipment - No equipment because this phase is just for asphalt paving

Off-road Equipment - No equipment because this phase is just for asphalt paving

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - No equipment because this phase is just for demolition

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Trips and VMT - Data from Data Request

On-road Fugitive Dust -

Demolition - Demolition in Phase 1

Grading - Data from Data Request

Vehicle Trips - No Operational Emissions

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - No Operational Emissions

Consumer Products - No Operational Emissions

Area Coating - No Operational Emissions

Landscape Equipment - No Operational Emissions

Energy Use - No Operational Emissions

Water And Wastewater - No Operational Emissions

Solid Waste - No Operational Emissions

Area Mitigation - No Operational Emissions

Fleet Mix -

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_EF_Residential_Interior	50	0
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tblAreaCoating	Area_Nonresidential_Interior	38006	0
tblAreaCoating	Area_Parking	35812	0
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tblConstructionPhase	NumDays	300.00	1.00
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tblOffRoadEquipment	PhaseName		Building Phase 1
tblOffRoadEquipment	PhaseName		Building Phase 1
tblOffRoadEquipment	PhaseName		Switchyard and Substation Phase 1
tblOffRoadEquipment	PhaseName		Switchyard and Substation Phase 1
tblOffRoadEquipment	PhaseName		BESS Field Phase 1
tblOffRoadEquipment	PhaseName		BESS Field Phase 1
tblOffRoadEquipment	PhaseName		BESS Field Phase 1
tblOffRoadEquipment	PhaseName		BESS Field Phase 2
tblOffRoadEquipment	PhaseName		BESS Field Phase 2
tblOffRoadEquipment	PhaseName		BESS Field Phase 2
tblOffRoadEquipment	PhaseName		Site Phase 3
tblOffRoadEquipment	PhaseName		Site Phase 3
tblOffRoadEquipment	PhaseName		Site Phase 3
tblOffRoadEquipment	PhaseName		Switchyard and Substation Phase 3
tblOffRoadEquipment	PhaseName		Switchyard and Substation Phase 1
tblOffRoadEquipment	PhaseName		Site Phase 1
tblOffRoadEquipment	PhaseName		Site Phase 3
tblOffRoadEquipment	PhaseName		Site Phase 1

tblOffRoadEquipment	PhaseName		Site Phase 3
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	7.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	7.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	MaterialMoistureContent	0.5	0
tblRoadDust	MaterialSiltContent	4.3	0
tblRoadDust	MeanVehicleSpeed	40	0
tblRoadDust	MobileAverageVehicleWeight	2.4	0
tblRoadDust	RoadSiltLoading	0.1	0
tblSolidWaste	LandfillCaptureGasFlare	94.00	0.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	0.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	0.00
tblSolidWaste	LandfillNoGasCapture	6.00	0.00
tblSolidWaste	LandfillNoGasCapture	6.00	0.00
tblSolidWaste	LandfillNoGasCapture	6.00	0.00
tblSolidWaste	SolidWasteGenerationRate	31.42	0.00

tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripLength	20.00	15.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	HaulingTripNumber	1.00	0.00
tblTripsAndVMT	HaulingVehicleClass		HHDT
tblTripsAndVMT	HaulingVehicleClass		HHDT
tblTripsAndVMT	HaulingVehicleClass		HHDT
tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	15.00
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tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	0.00
tblTripsAndVMT	VendorTripLength	7.90	0.00
tblTripsAndVMT	VendorTripLength	7.90	0.00
tblTripsAndVMT	VendorTripNumber	102.00	32.00
tblTripsAndVMT	VendorTripNumber	102.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	102.00	24.00
tblTripsAndVMT	VendorTripNumber	102.00	32.00
tblTripsAndVMT	VendorTripNumber	102.00	32.00
tblTripsAndVMT	VendorTripNumber	102.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	32.00

tblTripsAndVMT	VendorVehicleClass		HDT_Mix
tblTripsAndVMT	VendorVehicleClass		HDT_Mix
tblTripsAndVMT	VendorVehicleClass		HDT_Mix
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	15.00
tblTripsAndVMT	WorkerTripLength	19.80	0.00
tblTripsAndVMT	WorkerTripLength	19.80	0.00
tblTripsAndVMT	WorkerTripLength	19.80	0.00
tblTripsAndVMT	WorkerTripNumber	261.00	24.00
tblTripsAndVMT	WorkerTripNumber	261.00	90.00
tblTripsAndVMT	WorkerTripNumber	58.00	24.00
tblTripsAndVMT	WorkerTripNumber	261.00	12.00
tblTripsAndVMT	WorkerTripNumber	261.00	24.00
tblTripsAndVMT	WorkerTripNumber	261.00	90.00
tblTripsAndVMT	WorkerTripNumber	261.00	90.00
tblTripsAndVMT	WorkerTripNumber	58.00	24.00
tblTripsAndVMT	WorkerVehicleClass		LD_Mix
tblTripsAndVMT	WorkerVehicleClass		LD_Mix
tblTripsAndVMT	WorkerVehicleClass		LD_Mix
tblVehicleTrips	CC_TL	10.10	0.00
tblVehicleTrips	CC_TL	10.10	0.00
tblVehicleTrips	CC_TL	10.10	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	7.90	0.00
tblVehicleTrips	CNW_TL	7.90	0.00
tblVehicleTrips	CNW_TL	7.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	18.50	0.00
tblVehicleTrips	CW_TL	18.50	0.00
tblVehicleTrips	CW_TL	18.50	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.99	0.00
tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	WD_TR	4.96	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToSupply	9,727.00	0.00
tblWater	ElectricityIntensityFactorToSupply	9,727.00	0.00
tblWater	ElectricityIntensityFactorToSupply	9,727.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	IndoorWaterUseRate	5,859,875.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	4.8790	43.5730	50.2993	0.1320	2.3775	1.8028	3.9588	0.4443	1.7088	2.1352	0.0000	13,021.9590	13,021.9590	2.2638	0.5077	13,229.8539
2024	3.7916	30.0328	41.7222	0.1001	1.6286	1.2264	2.8551	0.4433	1.1626	1.6060	0.0000	9,825.7546	9,825.7546	1.7359	0.2808	9,952.8415
2026	9.4374	84.3524	112.9856	0.2862	4.6509	3.1693	7.8202	1.1028	2.9983	4.1011	0.0000	28,122.4822	28,122.4822	5.1447	0.8847	28,514.7516
Maximum	**9.4374**	**84.3524**	**112.9856**	**0.2862**	**4.6509**	**3.1693**	**7.8202**	**1.1028**	**2.9983**	**4.1011**	**0.0000**	**28,122.4822**	**28,122.4822**	**5.1447**	**0.8847**	**28,514.7516**

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					
2023	4.8790	43.5730	50.2993	0.1320	2.3775	1.8028	3.9588	0.4443	1.7088	2.1352	0.0000	13,021.9590	13,021.9590	2.2638	0.5077	13,229.8539
2024	3.7916	30.0328	41.7222	0.1001	1.6286	1.2264	2.8551	0.4433	1.1626	1.6060	0.0000	9,825.7545	9,825.7545	1.7359	0.2808	9,952.8415
2026	9.4374	84.3524	112.9856	0.2862	4.6509	3.1693	7.8202	1.1028	2.9983	4.1011	0.0000	28,122.4822	28,122.4822	5.1447	0.8847	28,514.7516
Maximum	**9.4374**	**84.3524**	**112.9856**	**0.2862**	**4.6509**	**3.1693**	**7.8202**	**1.1028**	**2.9983**	**4.1011**	**0.0000**	**28,122.4822**	**28,122.4822**	**5.1447**	**0.8847**	**28,514.7516**

	ROG	NOx	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**

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	5.8300e-003	5.7000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1362	0.1362	3.5000e-004		0.1450
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	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	**5.8300e-003**	**5.7000e-004**	**0.0634**	**0.0000**	**0.0000**	**2.3000e-004**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**2.3000e-004**		**0.1362**	**0.1362**	**3.5000e-004**	**0.0000**	**0.1450**

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	5.8300e-003	5.7000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1362	0.1362	3.5000e-004		0.1450
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	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	**5.8300e-003**	**5.7000e-004**	**0.0634**	**0.0000**	**0.0000**	**2.3000e-004**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**2.3000e-004**		**0.1362**	**0.1362**	**3.5000e-004**	**0.0000**	**0.1450**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition Phase 1	Demolition	6/1/2023	6/1/2023	5	1	Demolition activities during Phase 1
2	Site Phase 1	Site Preparation	6/1/2023	6/1/2023	5	1	Site Construction Phase
3	Asphalt Paving Phase 1	Paving	6/1/2023	8/1/2023	5	44	Asphalt paving activities during Phase 1
4	Building Phase 1	Building Construction	6/2/2023	6/2/2023	5	1	Building Construction Phase
5	Switchyard and Substation Phase 1	Building Construction	6/2/2023	6/2/2023	5	1	Switchyard and Substation Construction Phase
6	BESS Field Phase 1	Building Construction	6/5/2023	6/5/2023	5	1	BESS Field Construction Phase
7	BESS Field Phase 2	Building Construction	8/1/2024	8/1/2024	5	1	BESS Field Construction Phase
8	Asphalt Paving Phase 2	Paving	8/1/2024	10/1/2024	5	44	Asphalt paving activities during Phase 2
9	Site Phase 3	Site Preparation	8/3/2026	8/3/2026	5	1	Site Construction Phase
10	Switchyard and Substation Phase 3	Building Construction	8/3/2026	8/3/2026	5	1	Switchyard and Substation Construction Phase
11	BESS Field Phase 3	Building Construction	8/3/2026	8/3/2026	5	1	BESS Field Construction Phase

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 0

Acres of Paving: 13.71

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Phase 1	Excavators	2	7.50	158	0.38
Site Phase 1	Forklifts	1	7.50	89	0.20
Site Phase 1	Generator Sets	4	7.50	84	0.74
Site Phase 1	Graders	2	7.50	187	0.41
Site Phase 1	Off-Highway Trucks	1	0.30	402	0.38
Site Phase 1	Off-Highway Trucks	2	1.00	402	0.38
Site Phase 1	Off-Highway Trucks	2	7.50	402	0.38

Site Phase 1	Paving Equipment	1	7.50	132	0.36
Site Phase 1	Rollers	1	7.50	80	0.38
Site Phase 1	Tractors/Loaders/Backhoes	2	7.50	97	0.37
Building Phase 1	Excavators	1	7.50	158	0.38
Building Phase 1	Forklifts	1	7.50	89	0.20
Building Phase 1	Generator Sets	2	7.50	84	0.74
Building Phase 1	Off-Highway Trucks	1	0.30	402	0.38
Building Phase 1	Off-Highway Trucks	4	1.00	402	0.38
Building Phase 1	Off-Highway Trucks	1	7.50	402	0.38
Building Phase 1	Tractors/Loaders/Backhoes	1	7.50	97	0.37
Switchyard and Substation Phase 1	Cranes	1	7.50	231	0.29
Switchyard and Substation Phase 1	Excavators	2	7.50	158	0.38
Switchyard and Substation Phase 1	Forklifts	1	7.50	89	0.20
Switchyard and Substation Phase 1	Generator Sets	3	7.50	84	0.74
Switchyard and Substation Phase 1	Off-Highway Trucks	4	1.00	402	0.38
Switchyard and Substation Phase 1	Off-Highway Trucks	2	1.00	402	0.38
Switchyard and Substation Phase 1	Other Construction Equipment	1	7.50	172	0.42
Switchyard and Substation Phase 1	Tractors/Loaders/Backhoes	2	7.50	97	0.37
BESS Field Phase 1	Cranes	1	7.50	231	0.29
BESS Field Phase 1	Excavators	4	7.50	158	0.38
BESS Field Phase 1	Forklifts	2	7.50	89	0.20
BESS Field Phase 1	Generator Sets	4	7.50	84	0.74
BESS Field Phase 1	Off-Highway Trucks	4	0.30	402	0.38
BESS Field Phase 1	Off-Highway Trucks	2	1.00	402	0.38
BESS Field Phase 1	Off-Highway Trucks	1	7.50	402	0.38
BESS Field Phase 1	Tractors/Loaders/Backhoes	2	7.50	97	0.37
BESS Field Phase 2	Cranes	1	7.50	231	0.29
BESS Field Phase 2	Excavators	4	7.50	158	0.38
BESS Field Phase 2	Forklifts	2	7.50	89	0.20
BESS Field Phase 2	Generator Sets	4	7.50	84	0.74
BESS Field Phase 2	Off-Highway Trucks	4	0.30	402	0.38
BESS Field Phase 2	Off-Highway Trucks	2	1.00	402	0.38
BESS Field Phase 2	Off-Highway Trucks	1	7.50	402	0.38
BESS Field Phase 2	Tractors/Loaders/Backhoes	2	7.50	97	0.37
Site Phase 3	Excavators	2	7.50	158	0.38
Site Phase 3	Forklifts	1	7.50	89	0.20
Site Phase 3	Generator Sets	4	7.50	84	0.74
Site Phase 3	Graders	2	7.50	187	0.41
Site Phase 3	Off-Highway Trucks	1	0.30	402	0.38

Site Phase 3	Off-Highway Trucks	2	1.00	402	0.38
Site Phase 3	Off-Highway Trucks	2	7.50	402	0.38
Site Phase 3	Paving Equipment	1	7.50	132	0.36
Site Phase 3	Rollers	1	7.50	80	0.38
Site Phase 3	Tractors/Loaders/Backhoes	2	7.50	97	0.37
Switchyard and Substation Phase 3	Cranes	1	7.50	231	0.29
Switchyard and Substation Phase 3	Excavators	2	7.50	158	0.38
Switchyard and Substation Phase 3	Forklifts	1	7.50	89	0.20
Switchyard and Substation Phase 3	Generator Sets	3	7.50	84	0.74
Switchyard and Substation Phase 3	Off-Highway Trucks	4	1.00	402	0.38
Switchyard and Substation Phase 3	Off-Highway Trucks	2	1.00	402	0.38
Switchyard and Substation Phase 3	Other Construction Equipment	1	7.50	172	0.42
Switchyard and Substation Phase 3	Tractors/Loaders/Backhoes	2	7.50	97	0.37
BESS Field Phase 3	Cranes	1	7.50	231	0.29
BESS Field Phase 3	Excavators	4	7.50	158	0.38
BESS Field Phase 3	Forklifts	2	7.50	89	0.20
BESS Field Phase 3	Generator Sets	4	7.50	84	0.74
BESS Field Phase 3	Off-Highway Trucks	4	0.30	402	0.38
BESS Field Phase 3	Off-Highway Trucks	2	1.00	402	0.38
BESS Field Phase 3	Off-Highway Trucks	1	7.50	402	0.38
BESS Field Phase 3	Tractors/Loaders/Backhoes	2	7.50	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
Demolition Phase 1	0	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Site Phase 1	23	24.00	32.00	24.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving Phase 1	0	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Building Phase 1	12	12.00	24.00	10.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Switchyard and Substation Phase 1	18	24.00	32.00	16.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
BESS Field Phase 1	22	90.00	32.00	12.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
BESS Field Phase 2	22	90.00	32.00	12.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving Phase 2	0	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Site Phase 3	23	24.00	32.00	24.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Switchyard and Substation Phase 3	18	24.00	32.00	16.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
BESS Field Phase 3	22	90.00	32.00	12.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2836	0.0000	0.2836	0.0429	0.0000	0.0429			0.0000			0.0000
Total					**0.2836**	**0.0000**	**0.2836**	**0.0429**	**0.0000**	**0.0429**			**0.0000**			**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					0.2836	0.0000	0.2836	0.0429	0.0000	0.0429			0.0000			0.0000
Total					**0.2836**	**0.0000**	**0.2836**	**0.0429**	**0.0000**	**0.0429**			**0.0000**			**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	3.9935	36.3184	39.5438	0.0889		1.5387	1.5387		1.4541	1.4541		8,555.7136	8,555.7136	2.1142		8,608.5696
Total	**3.9935**	**36.3184**	**39.5438**	**0.0889**	**1.0605**	**1.5387**	**2.5992**	**0.1145**	**1.4541**	**1.5686**		**8,555.7136**	**8,555.7136**	**2.1142**		**8,608.5696**

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	0.0431	2.0351	0.6181	0.0101	0.3152	0.0218	0.3370	0.0864	0.0209	0.1073		1,078.0483	1,078.0483	0.0152	0.1699	1,129.0489
Vendor	0.0473	1.9091	0.5534	0.0115	0.4446	0.0196	0.4641	0.1279	0.0187	0.1466		1,221.8087	1,221.8087	0.0113	0.1800	1,275.7162
Worker	0.0832	0.0571	0.7251	2.1800e-003	0.2737	1.2800e-003	0.2750	0.0726	1.1800e-003	0.0738		220.4197	220.4197	5.5500e-003	5.8500e-003	222.3017

Total	**0.1737**	**4.0013**	**1.8965**	**0.0238**	**1.0335**	**0.0426**	**1.0761**	**0.2869**	**0.0408**	**0.3277**		**2,520.2767**	**2,520.2767**	**0.0320**	**0.3557**	**2,627.0668**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	3.9935	36.3184	39.5438	0.0889		1.5387	1.5387		1.4541	1.4541	0.0000	8,555.7136	8,555.7136	2.1142		8,608.5696
Total	**3.9935**	**36.3184**	**39.5438**	**0.0889**	**1.0605**	**1.5387**	**2.5992**	**0.1145**	**1.4541**	**1.5686**	**0.0000**	**8,555.7136**	**8,555.7136**	**2.1142**		**8,608.5696**

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	0.0431	2.0351	0.6181	0.0101	0.3152	0.0218	0.3370	0.0864	0.0209	0.1073		1,078.0483	1,078.0483	0.0152	0.1699	1,129.0489
Vendor	0.0473	1.9091	0.5534	0.0115	0.4446	0.0196	0.4641	0.1279	0.0187	0.1466		1,221.8087	1,221.8087	0.0113	0.1800	1,275.7162
Worker	0.0832	0.0571	0.7251	2.1800e-003	0.2737	1.2800e-003	0.2750	0.0726	1.1800e-003	0.0738		220.4197	220.4197	5.5500e-003	5.8500e-003	222.3017
Total	**0.1737**	**4.0013**	**1.8965**	**0.0238**	**1.0335**	**0.0426**	**1.0761**	**0.2869**	**0.0408**	**0.3277**		**2,520.2767**	**2,520.2767**	**0.0320**	**0.3557**	**2,627.0668**

3.4 Asphalt Paving Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Paving	0.2650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2650**					**0.0000**	**0.0000**		**0.0000**	**0.0000**			**0.0000**			**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Paving	0.2650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2650**					**0.0000**	**0.0000**		**0.0000**	**0.0000**			**0.0000**			**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7316	14.1456	17.9498	0.0410		0.6285	0.6285		0.5975	0.5975		3,946.3813	3,946.3813	0.9499		3,970.1291
Total	**1.7316**	**14.1456**	**17.9498**	**0.0410**		**0.6285**	**0.6285**		**0.5975**	**0.5975**		**3,946.3813**	**3,946.3813**	**0.9499**		**3,970.1291**

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	0.0180	0.8480	0.2575	4.2100e-003	0.1313	9.0800e-003	0.1404	0.0360	8.6900e-003	0.0447		449.1868	449.1868	6.3300e-003	0.0708	470.4370
Vendor	0.0355	1.4318	0.4150	8.6400e-003	0.3334	0.0147	0.3481	0.0959	0.0140	0.1100		916.3565	916.3565	8.4400e-003	0.1350	956.7871
Worker	0.0416	0.0286	0.3625	1.0900e-003	0.1369	6.4000e-004	0.1375	0.0363	5.9000e-004	0.0369		110.2099	110.2099	2.7700e-003	2.9300e-003	111.1509
Total	**0.0951**	**2.3083**	**1.0351**	**0.0139**	**0.6016**	**0.0244**	**0.6260**	**0.1682**	**0.0233**	**0.1916**		**1,475.7532**	**1,475.7532**	**0.0175**	**0.2087**	**1,538.3750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7316	14.1456	17.9498	0.0410		0.6285	0.6285		0.5975	0.5975	0.0000	3,946.3813	3,946.3813	0.9499		3,970.1291
Total	**1.7316**	**14.1456**	**17.9498**	**0.0410**		**0.6285**	**0.6285**		**0.5975**	**0.5975**	**0.0000**	**3,946.3813**	**3,946.3813**	**0.9499**		**3,970.1291**

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	0.0180	0.8480	0.2575	4.2100e-003	0.1313	9.0800e-003	0.1404	0.0360	8.6900e-003	0.0447		449.1868	449.1868	6.3300e-003	0.0708	470.4370
Vendor	0.0355	1.4318	0.4150	8.6400e-003	0.3334	0.0147	0.3481	0.0959	0.0140	0.1100		916.3565	916.3565	8.4400e-003	0.1350	956.7871
Worker	0.0416	0.0286	0.3625	1.0900e-003	0.1369	6.4000e-004	0.1375	0.0363	5.9000e-004	0.0369		110.2099	110.2099	2.7700e-003	2.9300e-003	111.1509
Total	**0.0951**	**2.3083**	**1.0351**	**0.0139**	**0.6016**	**0.0244**	**0.6260**	**0.1682**	**0.0233**	**0.1916**		**1,475.7532**	**1,475.7532**	**0.0175**	**0.2087**	**1,538.3750**

3.6 Switchyard and Substation Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6280	23.7962	29.6239	0.0566		1.1146	1.1146		1.0543	1.0543		5,438.8974	5,438.8974	1.2694		5,470.6326
Total	**2.6280**	**23.7962**	**29.6239**	**0.0566**		**1.1146**	**1.1146**		**1.0543**	**1.0543**		**5,438.8974**	**5,438.8974**	**1.2694**		**5,470.6326**

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	0.0288	1.3567	0.4121	6.7300e-003	0.2101	0.0145	0.2246	0.0576	0.0139	0.0715		718.6988	718.6988	0.0101	0.1133	752.6993
Vendor	0.0473	1.9091	0.5534	0.0115	0.4446	0.0196	0.4641	0.1279	0.0187	0.1466		1,221.8087	1,221.8087	0.0113	0.1800	1,275.7162
Worker	0.0832	0.0571	0.7251	2.1800e-003	0.2737	1.2800e-003	0.2750	0.0726	1.1800e-003	0.0738		220.4197	220.4197	5.5500e-003	5.8500e-003	222.3017
Total	**0.1593**	**3.3229**	**1.6905**	**0.0204**	**0.9284**	**0.0354**	**0.9638**	**0.2581**	**0.0338**	**0.2919**		**2,160.9273**	**2,160.9273**	**0.0269**	**0.2991**	**2,250.7172**

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	2.6280	23.7962	29.6239	0.0566		1.1146	1.1146		1.0543	1.0543	0.0000	5,438.8974	5,438.8974	1.2694		5,470.6326
Total	**2.6280**	**23.7962**	**29.6239**	**0.0566**		**1.1146**	**1.1146**		**1.0543**	**1.0543**	**0.0000**	**5,438.8974**	**5,438.8974**	**1.2694**		**5,470.6326**

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	0.0288	1.3567	0.4121	6.7300e-003	0.2101	0.0145	0.2246	0.0576	0.0139	0.0715		718.6988	718.6988	0.0101	0.1133	752.6993
Vendor	0.0473	1.9091	0.5534	0.0115	0.4446	0.0196	0.4641	0.1279	0.0187	0.1466		1,221.8087	1,221.8087	0.0113	0.1800	1,275.7162
Worker	0.0832	0.0571	0.7251	2.1800e-003	0.2737	1.2800e-003	0.2750	0.0726	1.1800e-003	0.0738		220.4197	220.4197	5.5500e-003	5.8500e-003	222.3017
Total	**0.1593**	**3.3229**	**1.6905**	**0.0204**	**0.9284**	**0.0354**	**0.9638**	**0.2581**	**0.0338**	**0.2919**		**2,160.9273**	**2,160.9273**	**0.0269**	**0.2991**	**2,250.7172**

3.7 BESS Field Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3340	29.0186	38.4251	0.0759		1.3406	1.3406		1.2718	1.2718		7,290.5334	7,290.5334	1.7051		7,333.1598
Total	**3.3340**	**29.0186**	**38.4251**	**0.0759**		**1.3406**	**1.3406**		**1.2718**	**1.2718**		**7,290.5334**	**7,290.5334**	**1.7051**		**7,333.1598**

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	0.0216	1.0176	0.3090	5.0500e-003	0.1576	0.0109	0.1685	0.0432	0.0104	0.0536		539.0241	539.0241	7.5900e-003	0.0849	564.5245
Vendor	0.0473	1.9091	0.5534	0.0115	0.4446	0.0196	0.4641	0.1279	0.0187	0.1466		1,221.8087	1,221.8087	0.0113	0.1800	1,275.7162
Worker	0.3120	0.2141	2.7190	8.1800e-003	1.0265	4.7900e-003	1.0313	0.2722	4.4100e-003	0.2766		826.5739	826.5739	0.0208	0.0219	833.6315
Total	**0.3809**	**3.1407**	**3.5814**	**0.0248**	**1.6287**	**0.0353**	**1.6639**	**0.4433**	**0.0336**	**0.4769**		**2,587.4067**	**2,587.4067**	**0.0396**	**0.2868**	**2,673.8722**

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	3.3340	29.0186	38.4251	0.0759		1.3406	1.3406		1.2718	1.2718	0.0000	7,290.5334	7,290.5334	1.7051		7,333.1597
Total	**3.3340**	**29.0186**	**38.4251**	**0.0759**		**1.3406**	**1.3406**		**1.2718**	**1.2718**	**0.0000**	**7,290.5334**	**7,290.5334**	**1.7051**		**7,333.1597**

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	0.0216	1.0176	0.3090	5.0500e-003	0.1576	0.0109	0.1685	0.0432	0.0104	0.0536		539.0241	539.0241	7.5900e-003	0.0849	564.5245
Vendor	0.0473	1.9091	0.5534	0.0115	0.4446	0.0196	0.4641	0.1279	0.0187	0.1466		1,221.8087	1,221.8087	0.0113	0.1800	1,275.7162
Worker	0.3120	0.2141	2.7190	8.1800e-003	1.0265	4.7900e-003	1.0313	0.2722	4.4100e-003	0.2766		826.5739	826.5739	0.0208	0.0219	833.6315
Total	**0.3809**	**3.1407**	**3.5814**	**0.0248**	**1.6287**	**0.0353**	**1.6639**	**0.4433**	**0.0336**	**0.4769**		**2,587.4067**	**2,587.4067**	**0.0396**	**0.2868**	**2,673.8722**

3.8 BESS Field Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1671	26.9111	38.3224	0.0759		1.1916	1.1916		1.1295	1.1295		7,292.0958	7,292.0958	1.6973		7,334.5292
Total	**3.1671**	**26.9111**	**38.3224**	**0.0759**		**1.1916**	**1.1916**		**1.1295**	**1.1295**		**7,292.0958**	**7,292.0958**	**1.6973**		**7,334.5292**

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	0.0215	1.0201	0.3116	4.9600e-003	0.1576	0.0108	0.1684	0.0432	0.0104	0.0536		530.2312	530.2312	8.0100e-003	0.0836	555.3345
Vendor	0.0463	1.9110	0.5456	0.0113	0.4446	0.0194	0.4640	0.1279	0.0186	0.1465		1,203.0131	1,203.0131	0.0117	0.1769	1,256.0200
Worker	0.2917	0.1906	2.5426	7.9200e-003	1.0265	4.5700e-003	1.0311	0.2722	4.2100e-003	0.2764		800.4145	800.4145	0.0189	0.0204	806.9578
Total	**0.3596**	**3.1217**	**3.3998**	**0.0242**	**1.6286**	**0.0348**	**1.6635**	**0.4433**	**0.0332**	**0.4765**		**2,533.6588**	**2,533.6588**	**0.0386**	**0.2808**	**2,618.3123**

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	3.1671	26.9111	38.3224	0.0759		1.1916	1.1916		1.1295	1.1295	0.0000	7,292.0958	7,292.0958	1.6973		7,334.5292
Total	**3.1671**	**26.9111**	**38.3224**	**0.0759**		**1.1916**	**1.1916**		**1.1295**	**1.1295**	**0.0000**	**7,292.0958**	**7,292.0958**	**1.6973**		**7,334.5292**

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	0.0215	1.0201	0.3116	4.9600e-003	0.1576	0.0108	0.1684	0.0432	0.0104	0.0536		530.2312	530.2312	8.0100e-003	0.0836	555.3345
Vendor	0.0463	1.9110	0.5456	0.0113	0.4446	0.0194	0.4640	0.1279	0.0186	0.1465		1,203.0131	1,203.0131	0.0117	0.1769	1,256.0200
Worker	0.2917	0.1906	2.5426	7.9200e-003	1.0265	4.5700e-003	1.0311	0.2722	4.2100e-003	0.2764		800.4145	800.4145	0.0189	0.0204	806.9578
Total	**0.3596**	**3.1217**	**3.3998**	**0.0242**	**1.6286**	**0.0348**	**1.6635**	**0.4433**	**0.0332**	**0.4765**		**2,533.6588**	**2,533.6588**	**0.0386**	**0.2808**	**2,618.3123**

3.9 Asphalt Paving Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Paving	0.2650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2650**					**0.0000**	**0.0000**		**0.0000**	**0.0000**			**0.0000**			**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Paving	0.2650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2650**					**0.0000**	**0.0000**		**0.0000**	**0.0000**			**0.0000**			**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.10 Site Phase 3 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	3.5236	29.7619	39.0741	0.0889		1.1693	1.1693		1.1043	1.1043		8,555.2498	8,555.2498	2.0976		8,607.6909
Total	**3.5236**	**29.7619**	**39.0741**	**0.0889**	**1.0605**	**1.1693**	**2.2298**	**0.1145**	**1.1043**	**1.2189**		**8,555.2498**	**8,555.2498**	**2.0976**		**8,607.6909**

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	0.0427	1.9977	0.6292	9.5100e-003	0.3151	0.0215	0.3366	0.0864	0.0206	0.1070		1,017.4982	1,017.4982	0.0177	0.1604	1,065.7518
Vendor	0.0448	1.8710	0.5312	0.0109	0.4446	0.0194	0.4639	0.1279	0.0185	0.1464		1,160.4285	1,160.4285	0.0127	0.1699	1,211.3784
Worker	0.0687	0.0412	0.5919	1.9800e-003	0.2737	1.0900e-003	0.2748	0.0726	1.0100e-003	0.0736		199.8128	199.8128	4.1300e-003	4.7700e-003	201.3368
Total	**0.1562**	**3.9099**	**1.7523**	**0.0224**	**1.0334**	**0.0419**	**1.0754**	**0.2869**	**0.0401**	**0.3270**		**2,377.7396**	**2,377.7396**	**0.0346**	**0.3351**	**2,478.4670**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000

Off-Road	3.5236	29.7619	39.0741	0.0889		1.1693	1.1693		1.1043	1.1043	0.0000	8,555.2498	8,555.2498	2.0976		8,607.6909
Total	**3.5236**	**29.7619**	**39.0741**	**0.0889**	**1.0605**	**1.1693**	**2.2298**	**0.1145**	**1.1043**	**1.2189**	**0.0000**	**8,555.2498**	**8,555.2498**	**2.0976**		**8,607.6909**

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	0.0427	1.9977	0.6292	9.5100e-003	0.3151	0.0215	0.3366	0.0864	0.0206	0.1070		1,017.4982	1,017.4982	0.0177	0.1604	1,065.7518
Vendor	0.0448	1.8710	0.5312	0.0109	0.4446	0.0194	0.4639	0.1279	0.0185	0.1464		1,160.4285	1,160.4285	0.0127	0.1699	1,211.3784
Worker	0.0687	0.0412	0.5919	1.9800e-003	0.2737	1.0900e-003	0.2748	0.0726	1.0100e-003	0.0736		199.8128	199.8128	4.1300e-003	4.7700e-003	201.3368
Total	**0.1562**	**3.9099**	**1.7523**	**0.0224**	**1.0334**	**0.0419**	**1.0754**	**0.2869**	**0.0401**	**0.3270**		**2,377.7396**	**2,377.7396**	**0.0346**	**0.3351**	**2,478.4670**

3.11 Switchyard and Substation Phase 3 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3236	20.0069	29.4106	0.0566		0.8600	0.8600		0.8127	0.8127		5,440.4189	5,440.4189	1.2576		5,471.8581
Total	**2.3236**	**20.0069**	**29.4106**	**0.0566**		**0.8600**	**0.8600**		**0.8127**	**0.8127**		**5,440.4189**	**5,440.4189**	**1.2576**		**5,471.8581**

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	0.0285	1.3318	0.4194	6.3400e-003	0.2101	0.0143	0.2244	0.0576	0.0137	0.0713		678.3322	678.3322	0.0118	0.1070	710.5012
Vendor	0.0448	1.8710	0.5312	0.0109	0.4446	0.0194	0.4639	0.1279	0.0185	0.1464		1,160.4285	1,160.4285	0.0127	0.1699	1,211.3784
Worker	0.0687	0.0412	0.5919	1.9800e-003	0.2737	1.0900e-003	0.2748	0.0726	1.0100e-003	0.0736		199.8128	199.8128	4.1300e-003	4.7700e-003	201.3368
Total	**0.1419**	**3.2440**	**1.5425**	**0.0193**	**0.9284**	**0.0348**	**0.9632**	**0.2581**	**0.0332**	**0.2913**		**2,038.5735**	**2,038.5735**	**0.0287**	**0.2816**	**2,123.2164**

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	2.3236	20.0069	29.4106	0.0566		0.8600	0.8600		0.8127	0.8127	0.0000	5,440.4189	5,440.4189	1.2576		5,471.8581
Total	**2.3236**	**20.0069**	**29.4106**	**0.0566**		**0.8600**	**0.8600**		**0.8127**	**0.8127**	**0.0000**	**5,440.4189**	**5,440.4189**	**1.2576**		**5,471.8581**

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	0.0285	1.3318	0.4194	6.3400e-003	0.2101	0.0143	0.2244	0.0576	0.0137	0.0713		678.3322	678.3322	0.0118	0.1070	710.5012
Vendor	0.0448	1.8710	0.5312	0.0109	0.4446	0.0194	0.4639	0.1279	0.0185	0.1464		1,160.4285	1,160.4285	0.0127	0.1699	1,211.3784
Worker	0.0687	0.0412	0.5919	1.9800e-003	0.2737	1.0900e-003	0.2748	0.0726	1.0100e-003	0.0736		199.8128	199.8128	4.1300e-003	4.7700e-003	201.3368
Total	**0.1419**	**3.2440**	**1.5425**	**0.0193**	**0.9284**	**0.0348**	**0.9632**	**0.2581**	**0.0332**	**0.2913**		**2,038.5735**	**2,038.5735**	**0.0287**	**0.2816**	**2,123.2164**

3.12 BESS Field Phase 3 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9684	24.4055	38.1407	0.0759		1.0291	1.0291		0.9754	0.9754		7,292.0247	7,292.0247	1.6891		7,334.2520
Total	**2.9684**	**24.4055**	**38.1407**	**0.0759**		**1.0291**	**1.0291**		**0.9754**	**0.9754**		**7,292.0247**	**7,292.0247**	**1.6891**		**7,334.2520**

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	0.0214	0.9989	0.3146	4.7500e-003	0.1576	0.0107	0.1683	0.0432	0.0103	0.0535		508.7491	508.7491	8.8600e-003	0.0802	532.8759
Vendor	0.0448	1.8710	0.5312	0.0109	0.4446	0.0194	0.4639	0.1279	0.0185	0.1464		1,160.4285	1,160.4285	0.0127	0.1699	1,211.3784
Worker	0.2575	0.1545	2.2197	7.4100e-003	1.0265	4.1100e-003	1.0306	0.2722	3.7800e-003	0.2760		749.2980	749.2980	0.0155	0.0179	755.0129
Total	**0.3236**	**3.0243**	**3.0654**	**0.0231**	**1.6286**	**0.0342**	**1.6628**	**0.4433**	**0.0326**	**0.4759**		**2,418.4757**	**2,418.4757**	**0.0371**	**0.2680**	**2,499.2673**

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	2.9684	24.4055	38.1407	0.0759		1.0291	1.0291		0.9754	0.9754	0.0000	7,292.0247	7,292.0247	1.6891		7,334.2520
Total	**2.9684**	**24.4055**	**38.1407**	**0.0759**		**1.0291**	**1.0291**		**0.9754**	**0.9754**	**0.0000**	**7,292.0247**	**7,292.0247**	**1.6891**		**7,334.2520**

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	0.0214	0.9989	0.3146	4.7500e-003	0.1576	0.0107	0.1683	0.0432	0.0103	0.0535		508.7491	508.7491	8.8600e-003	0.0802	532.8759
Vendor	0.0448	1.8710	0.5312	0.0109	0.4446	0.0194	0.4639	0.1279	0.0185	0.1464		1,160.4285	1,160.4285	0.0127	0.1699	1,211.3784
Worker	0.2575	0.1545	2.2197	7.4100e-003	1.0265	4.1100e-003	1.0306	0.2722	3.7800e-003	0.2760		749.2980	749.2980	0.0155	0.0179	755.0129
Total	**0.3236**	**3.0243**	**3.0654**	**0.0231**	**1.6286**	**0.0342**	**1.6628**	**0.4433**	**0.0326**	**0.4759**		**2,418.4757**	**2,418.4757**	**0.0371**	**0.2680**	**2,499.2673**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	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	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.8300e-003	5.7000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1362	0.1362	3.5000e-004		0.1450
Unmitigated	5.8300e-003	5.7000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1362	0.1362	3.5000e-004		0.1450

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8300e-003	5.7000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1362	0.1362	3.5000e-004		0.1450

Total	**5.8300e-003**	**5.7000e-004**	**0.0634**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1362**	**0.1362**	**3.5000e-004**		**0.1450**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8300e-003	5.7000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1362	0.1362	3.5000e-004		0.1450
Total	**5.8300e-003**	**5.7000e-004**	**0.0634**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1362**	**0.1362**	**3.5000e-004**		**0.1450**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

Nova Power Bank Project - Riverside-South Coast County, Annual

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

Nova Power Bank Project

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.34	1000sqft	0.58	25,337.00	0
Other Non-Asphalt Surfaces	403.23	1000sqft	9.26	403,227.00	0
Parking Lot	193.65	1000sqft	4.45	193,646.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Data from Data Request

Construction Phase - Adjusted start and end dates per data request, and then total days changed.

Off-road Equipment - No equipment because this phase is just for asphalt paving

Off-road Equipment - No equipment because this phase is just for asphalt paving

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - No equipment because this phase is just for demolition

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Off-road Equipment - Provided from Data Request; all values rounded up to the nearest tenth place.

Trips and VMT - Data from Data Request

On-road Fugitive Dust -

Demolition - Demolition in Phase 1

Grading - Data from Data Request

Vehicle Trips - No Operational Emissions

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - No Operational Emissions

Consumer Products - No Operational Emissions

Area Coating - No Operational Emissions

Landscape Equipment - No Operational Emissions

Energy Use - No Operational Emissions

Water And Wastewater - No Operational Emissions

Solid Waste - No Operational Emissions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	0
tblAreaCoating	Area_EF_Residential_Interior	50	0
tblAreaCoating	Area_Nonresidential_Exterior	12669	0
tblAreaCoating	Area_Nonresidential_Interior	38006	0
tblAreaCoating	Area_Parking	35812	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	300.00	217.00
tblConstructionPhase	NumDays	300.00	217.00
tblConstructionPhase	NumDays	300.00	262.00
tblConstructionPhase	NumDays	300.00	262.00
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tblConstructionPhase	NumDays	300.00	217.00
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tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	10.00	262.00
tblConstructionPhase	NumDays	10.00	217.00
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0

tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	5.02	0.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	T24E	1.97	0.00
tblEnergyUse	T24NG	15.20	0.00
tblGrading	AcresOfGrading	26.20	4.45
tblGrading	AcresOfGrading	10.85	2.96
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	25,340.00	25,337.00
tblLandUse	LandUseSquareFeet	403,230.00	403,227.00
tblLandUse	LandUseSquareFeet	193,650.00	193,646.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
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tblRoadDust	MobileAverageVehicleWeight	2.4	0
tblRoadDust	RoadSiltLoading	0.1	0
tblSolidWaste	LandfillCaptureGasFlare	94.00	0.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	0.00
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tblSolidWaste	LandfillNoGasCapture	6.00	0.00
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tblSolidWaste	SolidWasteGenerationRate	31.42	0.00
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tblTripsAndVMT	VendorTripNumber	102.00	11.00
tblTripsAndVMT	VendorTripNumber	102.00	4.00
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tblTripsAndVMT	VendorVehicleClass		HDT_Mix
tblTripsAndVMT	VendorVehicleClass		HDT_Mix

tblTripsAndVMT	VendorVehicleClass		HDT_Mix
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tblTripsAndVMT	WorkerTripNumber	58.00	24.00
tblTripsAndVMT	WorkerVehicleClass		LD_Mix
tblTripsAndVMT	WorkerVehicleClass		LD_Mix
tblTripsAndVMT	WorkerVehicleClass		LD_Mix
tblVehicleTrips	CC_TL	10.10	0.00
tblVehicleTrips	CC_TL	10.10	0.00
tblVehicleTrips	CC_TL	10.10	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	7.90	0.00
tblVehicleTrips	CNW_TL	7.90	0.00
tblVehicleTrips	CNW_TL	7.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	18.50	0.00
tblVehicleTrips	CW_TL	18.50	0.00
tblVehicleTrips	CW_TL	18.50	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.99	0.00

tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	WD_TR	4.96	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToSupply	9,727.00	0.00
tblWater	ElectricityIntensityFactorToSupply	9,727.00	0.00
tblWater	ElectricityIntensityFactorToSupply	9,727.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	IndoorWaterUseRate	5,859,875.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2442	1.9150	2.4343	6.7000e-003	0.1734	0.0772	0.2505	0.0459	0.0729	0.1188	0.0000	600.4408	600.4408	0.1030	0.0195	608.8198
2024	0.2067	1.5157	2.1563	5.8900e-003	0.1862	0.0589	0.2451	0.0493	0.0556	0.1049	0.0000	528.2211	528.2211	0.0847	0.0169	535.3788
2025	0.0339	0.2000	0.4027	1.0500e-003	0.0596	7.5500e-003	0.0671	0.0159	7.1700e-003	0.0231	0.0000	94.6206	94.6206	0.0103	3.0100e-003	95.7760
2026	0.0693	0.4483	0.7227	2.2000e-003	0.0982	0.0159	0.1141	0.0260	0.0150	0.0410	0.0000	198.4364	198.4364	0.0296	6.5200e-003	201.1193
2027	0.0675	0.4422	0.7049	2.1600e-003	0.0973	0.0157	0.1131	0.0258	0.0148	0.0406	0.0000	194.2566	194.2566	0.0293	6.2700e-003	196.8581
Maximum	**0.2442**	**1.9150**	**2.4343**	**6.7000e-003**	**0.1862**	**0.0772**	**0.2505**	**0.0493**	**0.0729**	**0.1188**	**0.0000**	**600.4408**	**600.4408**	**0.1030**	**0.0195**	**608.8198**

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					
2023	0.2442	1.9150	2.4342	6.7000e-003	0.1734	0.0772	0.2505	0.0459	0.0729	0.1188	0.0000	600.4403	600.4403	0.1030	0.0195	608.8193
2024	0.2067	1.5157	2.1563	5.8900e-003	0.1862	0.0589	0.2451	0.0493	0.0556	0.1049	0.0000	528.2207	528.2207	0.0847	0.0169	535.3784
2025	0.0339	0.2000	0.4027	1.0500e-003	0.0596	7.5500e-003	0.0671	0.0159	7.1700e-003	0.0231	0.0000	94.6206	94.6206	0.0103	3.0100e-003	95.7760
2026	0.0693	0.4483	0.7226	2.2000e-003	0.0982	0.0159	0.1141	0.0260	0.0150	0.0410	0.0000	198.4362	198.4362	0.0296	6.5200e-003	201.1191
2027	0.0675	0.4422	0.7049	2.1600e-003	0.0973	0.0157	0.1131	0.0258	0.0148	0.0406	0.0000	194.2565	194.2565	0.0293	6.2700e-003	196.8580
Maximum	**0.2442**	**1.9150**	**2.4342**	**6.7000e-003**	**0.1862**	**0.0772**	**0.2505**	**0.0493**	**0.0729**	**0.1188**	**0.0000**	**600.4403**	**600.4403**	**0.1030**	**0.0195**	**608.8193**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	0.9335	0.9335
2	9-1-2023	11-30-2023	0.9204	0.9204
3	12-1-2023	2-29-2024	0.8838	0.8838
4	3-1-2024	5-31-2024	0.8707	0.8707
5	6-1-2024	8-31-2024	0.0643	0.0643
6	9-1-2024	11-30-2024	0.1558	0.1558
7	12-1-2024	2-28-2025	0.1436	0.1436
8	3-1-2025	5-31-2025	0.1423	0.1423
9	6-1-2025	8-31-2025	0.0015	0.0015
13	6-1-2026	8-31-2026	0.1048	0.1048
14	9-1-2026	11-30-2026	0.3088	0.3088
15	12-1-2026	2-28-2027	0.3048	0.3048
16	3-1-2027	5-31-2027	0.3097	0.3097
17	6-1-2027	8-31-2027	0.0034	0.0034
		Highest	0.9335	0.9335

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition Phase 1	Demolition	6/1/2023	6/1/2024	5	262	Demolition activities during Phase 1
2	Site Phase 1	Site Preparation	6/1/2023	6/1/2024	5	262	Site Construction Phase

3	Building Phase 1	Building Construction	6/1/2023	6/1/2024	5	262	Building Construction Phase
4	Switchyard and Substation Phase 1	Building Construction	6/1/2023	6/1/2024	5	262	Switchyard and Substation Construction Phase
5	BESS Field Phase 1	Building Construction	6/1/2023	6/1/2024	5	262	BESS Field Construction Phase
6	Asphalt Paving Phase 1	Paving	6/1/2023	8/1/2023	5	44	Asphalt paving activities during Phase 1
7	BESS Field Phase 2	Building Construction	8/1/2024	6/1/2025	5	217	BESS Field Construction Phase
8	Asphalt Paving Phase 2	Paving	8/1/2024	10/1/2024	5	44	Asphalt paving activities during Phase 2
9	Site Phase 3	Site Preparation	8/1/2026	6/1/2027	5	217	Site Construction Phase
10	Switchyard and Substation Phase 3	Building Construction	8/1/2026	6/1/2027	5	217	Switchyard and Substation Construction Phase
11	BESS Field Phase 3	Building Construction	8/1/2026	6/1/2027	5	217	BESS Field Construction Phase

Acres of Grading (Site Preparation Phase): 4.45

Acres of Grading (Grading Phase): 0

Acres of Paving: 13.71

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Phase 1	Excavators	2	1.00	158	0.38
Site Phase 1	Forklifts	1	1.00	89	0.20
Site Phase 1	Generator Sets	4	0.90	84	0.74
Site Phase 1	Graders	2	0.80	187	0.41
Site Phase 1	Off-Highway Trucks	1	0.10	402	0.38
Site Phase 1	Off-Highway Trucks	2	0.10	402	0.38
Site Phase 1	Off-Highway Trucks	2	5.60	402	0.38
Site Phase 1	Paving Equipment	1	0.30	132	0.36
Site Phase 1	Rollers	1	1.00	80	0.38
Site Phase 1	Tractors/Loaders/Backhoes	2	1.00	97	0.37
Building Phase 1	Excavators	1	0.70	158	0.38
Building Phase 1	Forklifts	1	1.30	89	0.20
Building Phase 1	Generator Sets	2	0.70	84	0.74
Building Phase 1	Off-Highway Trucks	1	0.10	402	0.38
Building Phase 1	Off-Highway Trucks	4	0.10	402	0.38
Building Phase 1	Off-Highway Trucks	1	0.10	402	0.38
Building Phase 1	Tractors/Loaders/Backhoes	1	0.40	97	0.37
Switchyard and Substation Phase 1	Cranes	1	1.40	231	0.29
Switchyard and Substation Phase 1	Excavators	2	0.80	158	0.38
Switchyard and Substation Phase 1	Forklifts	1	0.80	89	0.20
Switchyard and Substation Phase 1	Generator Sets	3	1.00	84	0.74
Switchyard and Substation Phase 1	Off-Highway Trucks	4	0.20	402	0.38

Switchyard and Substation Phase 1	Off-Highway Trucks	2	0.10	402	0.38
Switchyard and Substation Phase 1	Other Construction Equipment	1	1.30	172	0.42
Switchyard and Substation Phase 1	Tractors/Loaders/Backhoes	2	0.90	97	0.37
BESS Field Phase 1	Cranes	1	2.90	231	0.29
BESS Field Phase 1	Excavators	4	2.60	158	0.38
BESS Field Phase 1	Forklifts	2	3.30	89	0.20
BESS Field Phase 1	Generator Sets	4	2.60	84	0.74
BESS Field Phase 1	Off-Highway Trucks	4	0.10	402	0.38
BESS Field Phase 1	Off-Highway Trucks	2	0.10	402	0.38
BESS Field Phase 1	Off-Highway Trucks	1	0.30	402	0.38
BESS Field Phase 1	Tractors/Loaders/Backhoes	2	2.50	97	0.37
BESS Field Phase 2	Cranes	1	1.10	231	0.29
BESS Field Phase 2	Excavators	4	1.00	158	0.38
BESS Field Phase 2	Forklifts	2	1.20	89	0.20
BESS Field Phase 2	Generator Sets	4	1.00	84	0.74
BESS Field Phase 2	Off-Highway Trucks	4	0.10	402	0.38
BESS Field Phase 2	Off-Highway Trucks	2	0.10	402	0.38
BESS Field Phase 2	Off-Highway Trucks	1	0.10	402	0.38
BESS Field Phase 2	Tractors/Loaders/Backhoes	2	0.90	97	0.37
Site Phase 3	Excavators	2	0.40	158	0.38
Site Phase 3	Forklifts	1	0.40	89	0.20
Site Phase 3	Generator Sets	4	0.40	84	0.74
Site Phase 3	Graders	2	0.40	187	0.41
Site Phase 3	Off-Highway Trucks	1	0.20	402	0.38
Site Phase 3	Off-Highway Trucks	2	0.10	402	0.38
Site Phase 3	Off-Highway Trucks	2	2.30	402	0.38
Site Phase 3	Paving Equipment	1	0.10	132	0.36
Site Phase 3	Rollers	1	0.40	80	0.38
Site Phase 3	Tractors/Loaders/Backhoes	2	0.40	97	0.37
Switchyard and Substation Phase 3	Cranes	1	0.60	231	0.29
Switchyard and Substation Phase 3	Excavators	2	0.40	158	0.38
Switchyard and Substation Phase 3	Forklifts	1	0.40	89	0.20
Switchyard and Substation Phase 3	Generator Sets	3	0.40	84	0.74
Switchyard and Substation Phase 3	Off-Highway Trucks	4	0.10	402	0.38
Switchyard and Substation Phase 3	Off-Highway Trucks	2	0.10	402	0.38
Switchyard and Substation Phase 3	Other Construction Equipment	1	0.60	172	0.42
Switchyard and Substation Phase 3	Tractors/Loaders/Backhoes	2	0.40	97	0.37
BESS Field Phase 3	Cranes	1	0.80	231	0.29
BESS Field Phase 3	Excavators	4	0.80	158	0.38

BESS Field Phase 3	Forklifts	2	0.90	89	0.20
BESS Field Phase 3	Generator Sets	4	0.80	84	0.74
BESS Field Phase 3	Off-Highway Trucks	4	0.10	402	0.38
BESS Field Phase 3	Off-Highway Trucks	2	0.10	402	0.38
BESS Field Phase 3	Off-Highway Trucks	1	0.10	402	0.38
BESS Field Phase 3	Tractors/Loaders/Backhoes	2	0.70	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
Demolition Phase 1	0	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Site Phase 1	23	24.00	4.00	2,096.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Building Phase 1	12	12.00	2.00	524.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Switchyard and Substation Phase 1	18	24.00	4.00	786.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
BESS Field Phase 1	22	90.00	11.00	1,310.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving Phase 1	0		0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
BESS Field Phase 2	22	90.00	4.00	651.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving Phase 2	0		0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Site Phase 3	23	24.00	2.00	868.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
Switchyard and Substation Phase 3	18	24.00	2.00	651.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT
BESS Field Phase 3	22	90.00	3.00	651.00	15.00	15.00	15.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5600e-003	0.0000	3.5600e-003	5.4000e-004	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					**3.5600e-003**	**0.0000**	**3.5600e-003**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5600e-003	0.0000	3.5600e-003	5.4000e-004	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					**3.5600e-003**	**0.0000**	**3.5600e-003**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

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

3.2 Demolition Phase 1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.5800e-003	0.0000	2.5800e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					**2.5800e-003**	**0.0000**	**2.5800e-003**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.5800e-003	0.0000	2.5800e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					**2.5800e-003**	**0.0000**	**2.5800e-003**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

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

3.3 Site Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3600e-003	0.0000	2.3600e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0807	0.6410	0.6505	1.9800e-003		0.0253	0.0253		0.0236	0.0236	0.0000	173.3205	173.3205	0.0507	0.0000	174.5868
Total	**0.0807**	**0.6410**	**0.6505**	**1.9800e-003**	**2.3600e-003**	**0.0253**	**0.0276**	**2.5000e-004**	**0.0236**	**0.0239**	**0.0000**	**173.3205**	**173.3205**	**0.0507**	**0.0000**	**174.5868**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1600e-003	0.0512	0.0155	2.6000e-004	7.8700e-003	5.5000e-004	8.4200e-003	2.1600e-003	5.3000e-004	2.6900e-003	0.0000	24.7464	24.7464	3.5000e-004	3.9000e-003	25.9172
Vendor	4.6000e-004	0.0181	5.1900e-003	1.1000e-004	4.1700e-003	1.9000e-004	4.3500e-003	1.2000e-003	1.8000e-004	1.3800e-003	0.0000	10.5225	10.5225	1.0000e-004	1.5500e-003	10.9867
Worker	5.9900e-003	4.4500e-003	0.0581	1.7000e-004	0.0205	1.0000e-004	0.0206	5.4300e-003	9.0000e-005	5.5200e-003	0.0000	15.5507	15.5507	3.8000e-004	4.1000e-004	15.6828

Total	**7.6100e-003**	**0.0737**	**0.0787**	**5.4000e-004**	**0.0325**	**8.4000e-004**	**0.0333**	**8.7900e-003**	**8.0000e-004**	**9.5900e-003**	**0.0000**	**50.8196**	**50.8196**	**8.3000e-004**	**5.8600e-003**	**52.5867**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3600e-003	0.0000	2.3600e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0807	0.6410	0.6505	1.9800e-003		0.0253	0.0253		0.0236	0.0236	0.0000	173.3203	173.3203	0.0507	0.0000	174.5866
Total	**0.0807**	**0.6410**	**0.6505**	**1.9800e-003**	**2.3600e-003**	**0.0253**	**0.0276**	**2.5000e-004**	**0.0236**	**0.0239**	**0.0000**	**173.3203**	**173.3203**	**0.0507**	**0.0000**	**174.5866**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1600e-003	0.0512	0.0155	2.6000e-004	7.8700e-003	5.5000e-004	8.4200e-003	2.1600e-003	5.3000e-004	2.6900e-003	0.0000	24.7464	24.7464	3.5000e-004	3.9000e-003	25.9172
Vendor	4.6000e-004	0.0181	5.1900e-003	1.1000e-004	4.1700e-003	1.9000e-004	4.3500e-003	1.2000e-003	1.8000e-004	1.3800e-003	0.0000	10.5225	10.5225	1.0000e-004	1.5500e-003	10.9867
Worker	5.9900e-003	4.4500e-003	0.0581	1.7000e-004	0.0205	1.0000e-004	0.0206	5.4300e-003	9.0000e-005	5.5200e-003	0.0000	15.5507	15.5507	3.8000e-004	4.1000e-004	15.6828
Total	**7.6100e-003**	**0.0737**	**0.0787**	**5.4000e-004**	**0.0325**	**8.4000e-004**	**0.0333**	**8.7900e-003**	**8.0000e-004**	**9.5900e-003**	**0.0000**	**50.8196**	**50.8196**	**8.3000e-004**	**5.8600e-003**	**52.5867**

3.3 Site Phase 1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					2.3600e-003	0.0000	2.3600e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0567	0.4306	0.4674	1.4300e-003		0.0166	0.0166		0.0155	0.0155	0.0000	125.4635	125.4635	0.0366	0.0000	126.3790
Total	**0.0567**	**0.4306**	**0.4674**	**1.4300e-003**	**2.3600e-003**	**0.0166**	**0.0190**	**2.5000e-004**	**0.0155**	**0.0158**	**0.0000**	**125.4635**	**125.4635**	**0.0366**	**0.0000**	**126.3790**

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	8.3000e-004	0.0371	0.0113	1.8000e-004	5.6900e-003	4.0000e-004	6.0900e-003	1.5600e-003	3.8000e-004	1.9400e-003	0.0000	17.6163	17.6163	2.7000e-004	2.7800e-003	18.4504
Vendor	3.3000e-004	0.0131	3.7000e-003	8.0000e-005	3.0100e-003	1.3000e-004	3.1500e-003	8.7000e-004	1.3000e-004	1.0000e-003	0.0000	7.4978	7.4978	7.0000e-005	1.1000e-003	7.8281
Worker	4.0500e-003	2.8700e-003	0.0393	1.2000e-004	0.0148	7.0000e-005	0.0149	3.9300e-003	6.0000e-005	3.9900e-003	0.0000	10.8975	10.8975	2.5000e-004	2.8000e-004	10.9861
Total	**5.2100e-003**	**0.0531**	**0.0543**	**3.8000e-004**	**0.0235**	**6.0000e-004**	**0.0241**	**6.3600e-003**	**5.7000e-004**	**6.9300e-003**	**0.0000**	**36.0116**	**36.0116**	**5.9000e-004**	**4.1600e-003**	**37.2647**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3600e-003	0.0000	2.3600e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0567	0.4306	0.4674	1.4300e-003		0.0166	0.0166		0.0155	0.0155	0.0000	125.4634	125.4634	0.0366	0.0000	126.3789
Total	**0.0567**	**0.4306**	**0.4674**	**1.4300e-003**	**2.3600e-003**	**0.0166**	**0.0190**	**2.5000e-004**	**0.0155**	**0.0158**	**0.0000**	**125.4634**	**125.4634**	**0.0366**	**0.0000**	**126.3789**

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	8.3000e-004	0.0371	0.0113	1.8000e-004	5.6900e-003	4.0000e-004	6.0900e-003	1.5600e-003	3.8000e-004	1.9400e-003	0.0000	17.6163	17.6163	2.7000e-004	2.7800e-003	18.4504
Vendor	3.3000e-004	0.0131	3.7000e-003	8.0000e-005	3.0100e-003	1.3000e-004	3.1500e-003	8.7000e-004	1.3000e-004	1.0000e-003	0.0000	7.4978	7.4978	7.0000e-005	1.1000e-003	7.8281
Worker	4.0500e-003	2.8700e-003	0.0393	1.2000e-004	0.0148	7.0000e-005	0.0149	3.9300e-003	6.0000e-005	3.9900e-003	0.0000	10.8975	10.8975	2.5000e-004	2.8000e-004	10.9861
Total	**5.2100e-003**	**0.0531**	**0.0543**	**3.8000e-004**	**0.0235**	**6.0000e-004**	**0.0241**	**6.3600e-003**	**5.7000e-004**	**6.9300e-003**	**0.0000**	**36.0116**	**36.0116**	**5.9000e-004**	**4.1600e-003**	**37.2647**

3.4 Building Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0100	0.0844	0.1118	2.3000e-004		3.9700e-003	3.9700e-003		3.7900e-003	3.7900e-003	0.0000	19.8507	19.8507	4.3200e-003	0.0000	19.9586
Total	**0.0100**	**0.0844**	**0.1118**	**2.3000e-004**		**3.9700e-003**	**3.9700e-003**		**3.7900e-003**	**3.7900e-003**	**0.0000**	**19.8507**	**19.8507**	**4.3200e-003**	**0.0000**	**19.9586**

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	2.9000e-004	0.0128	3.8600e-003	6.0000e-005	1.9700e-003	1.4000e-004	2.1100e-003	5.4000e-004	1.3000e-004	6.7000e-004	0.0000	6.1866	6.1866	9.0000e-005	9.7000e-004	6.4793
Vendor	2.3000e-004	9.0400e-003	2.5900e-003	5.0000e-005	2.0800e-003	9.0000e-005	2.1800e-003	6.0000e-004	9.0000e-005	6.9000e-004	0.0000	5.2613	5.2613	5.0000e-005	7.7000e-004	5.4934
Worker	3.0000e-003	2.2300e-003	0.0290	8.0000e-005	0.0102	5.0000e-005	0.0103	2.7200e-003	4.0000e-005	2.7600e-003	0.0000	7.7754	7.7754	1.9000e-004	2.1000e-004	7.8414
Total	**3.5200e-003**	**0.0241**	**0.0355**	**1.9000e-004**	**0.0143**	**2.8000e-004**	**0.0146**	**3.8600e-003**	**2.6000e-004**	**4.1200e-003**	**0.0000**	**19.2232**	**19.2232**	**3.3000e-004**	**1.9500e-003**	**19.8141**

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	0.0100	0.0844	0.1118	2.3000e-004		3.9700e-003	3.9700e-003		3.7900e-003	3.7900e-003	0.0000	19.8506	19.8506	4.3200e-003	0.0000	19.9586
Total	**0.0100**	**0.0844**	**0.1118**	**2.3000e-004**		**3.9700e-003**	**3.9700e-003**		**3.7900e-003**	**3.7900e-003**	**0.0000**	**19.8506**	**19.8506**	**4.3200e-003**	**0.0000**	**19.9586**

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	2.9000e-004	0.0128	3.8600e-003	6.0000e-005	1.9700e-003	1.4000e-004	2.1100e-003	5.4000e-004	1.3000e-004	6.7000e-004	0.0000	6.1866	6.1866	9.0000e-005	9.7000e-004	6.4793
Vendor	2.3000e-004	9.0400e-003	2.5900e-003	5.0000e-005	2.0800e-003	9.0000e-005	2.1800e-003	6.0000e-004	9.0000e-005	6.9000e-004	0.0000	5.2613	5.2613	5.0000e-005	7.7000e-004	5.4934
Worker	3.0000e-003	2.2300e-003	0.0290	8.0000e-005	0.0102	5.0000e-005	0.0103	2.7200e-003	4.0000e-005	2.7600e-003	0.0000	7.7754	7.7754	1.9000e-004	2.1000e-004	7.8414
Total	**3.5200e-003**	**0.0241**	**0.0355**	**1.9000e-004**	**0.0143**	**2.8000e-004**	**0.0146**	**3.8600e-003**	**2.6000e-004**	**4.1200e-003**	**0.0000**	**19.2232**	**19.2232**	**3.3000e-004**	**1.9500e-003**	**19.8141**

3.4 Building Phase 1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-003	0.0569	0.0807	1.6000e-004		2.5300e-003	2.5300e-003		2.4100e-003	2.4100e-003	0.0000	14.3685	14.3685	3.1100e-003	0.0000	14.4462
Total	**6.9000e-003**	**0.0569**	**0.0807**	**1.6000e-004**		**2.5300e-003**	**2.5300e-003**		**2.4100e-003**	**2.4100e-003**	**0.0000**	**14.3685**	**14.3685**	**3.1100e-003**	**0.0000**	**14.4462**

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	2.1000e-004	9.2900e-003	2.8200e-003	5.0000e-005	1.4200e-003	1.0000e-004	1.5200e-003	3.9000e-004	9.0000e-005	4.9000e-004	0.0000	4.4041	4.4041	7.0000e-005	6.9000e-004	4.6126
Vendor	1.6000e-004	6.5500e-003	1.8500e-003	4.0000e-005	1.5100e-003	7.0000e-005	1.5700e-003	4.3000e-004	6.0000e-005	5.0000e-004	0.0000	3.7489	3.7489	4.0000e-005	5.5000e-004	3.9141
Worker	2.0200e-003	1.4300e-003	0.0197	6.0000e-005	7.4000e-003	3.0000e-005	7.4400e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	5.4487	5.4487	1.3000e-004	1.4000e-004	5.4931
Total	**2.3900e-003**	**0.0173**	**0.0243**	**1.5000e-004**	**0.0103**	**2.0000e-004**	**0.0105**	**2.7900e-003**	**1.8000e-004**	**2.9900e-003**	**0.0000**	**13.6017**	**13.6017**	**2.4000e-004**	**1.3800e-003**	**14.0197**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-003	0.0569	0.0807	1.6000e-004		2.5300e-003	2.5300e-003		2.4100e-003	2.4100e-003	0.0000	14.3685	14.3685	3.1100e-003	0.0000	14.4462
Total	**6.9000e-003**	**0.0569**	**0.0807**	**1.6000e-004**		**2.5300e-003**	**2.5300e-003**		**2.4100e-003**	**2.4100e-003**	**0.0000**	**14.3685**	**14.3685**	**3.1100e-003**	**0.0000**	**14.4462**

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	2.1000e-004	9.2900e-003	2.8200e-003	5.0000e-005	1.4200e-003	1.0000e-004	1.5200e-003	3.9000e-004	9.0000e-005	4.9000e-004	0.0000	4.4041	4.4041	7.0000e-005	6.9000e-004	4.6126
Vendor	1.6000e-004	6.5500e-003	1.8500e-003	4.0000e-005	1.5100e-003	7.0000e-005	1.5700e-003	4.3000e-004	6.0000e-005	5.0000e-004	0.0000	3.7489	3.7489	4.0000e-005	5.5000e-004	3.9141
Worker	2.0200e-003	1.4300e-003	0.0197	6.0000e-005	7.4000e-003	3.0000e-005	7.4400e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	5.4487	5.4487	1.3000e-004	1.4000e-004	5.4931
Total	**2.3900e-003**	**0.0173**	**0.0243**	**1.5000e-004**	**0.0103**	**2.0000e-004**	**0.0105**	**2.7900e-003**	**1.8000e-004**	**2.9900e-003**	**0.0000**	**13.6017**	**13.6017**	**2.4000e-004**	**1.3800e-003**	**14.0197**

3.5 Switchyard and Substation Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0287	0.2616	0.3060	6.1000e-004		0.0121	0.0121		0.0114	0.0114	0.0000	53.1790	53.1790	0.0127	0.0000	53.4965
Total	**0.0287**	**0.2616**	**0.3060**	**6.1000e-004**		**0.0121**	**0.0121**		**0.0114**	**0.0114**	**0.0000**	**53.1790**	**53.1790**	**0.0127**	**0.0000**	**53.4965**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0192	5.7900e-003	1.0000e-004	2.9500e-003	2.1000e-004	3.1600e-003	8.1000e-004	2.0000e-004	1.0100e-003	0.0000	9.2799	9.2799	1.3000e-004	1.4600e-003	9.7189
Vendor	4.6000e-004	0.0181	5.1900e-003	1.1000e-004	4.1700e-003	1.9000e-004	4.3500e-003	1.2000e-003	1.8000e-004	1.3800e-003	0.0000	10.5225	10.5225	1.0000e-004	1.5500e-003	10.9867
Worker	5.9900e-003	4.4500e-003	0.0581	1.7000e-004	0.0205	1.0000e-004	0.0206	5.4300e-003	9.0000e-005	5.5200e-003	0.0000	15.5507	15.5507	3.8000e-004	4.1000e-004	15.6828
Total	**6.8800e-003**	**0.0417**	**0.0691**	**3.8000e-004**	**0.0276**	**5.0000e-004**	**0.0281**	**7.4400e-003**	**4.7000e-004**	**7.9100e-003**	**0.0000**	**35.3531**	**35.3531**	**6.1000e-004**	**3.4200e-003**	**36.3885**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0287	0.2616	0.3060	6.1000e-004		0.0121	0.0121		0.0114	0.0114	0.0000	53.1790	53.1790	0.0127	0.0000	53.4964
Total	**0.0287**	**0.2616**	**0.3060**	**6.1000e-004**		**0.0121**	**0.0121**		**0.0114**	**0.0114**	**0.0000**	**53.1790**	**53.1790**	**0.0127**	**0.0000**	**53.4964**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0192	5.7900e-003	1.0000e-004	2.9500e-003	2.1000e-004	3.1600e-003	8.1000e-004	2.0000e-004	1.0100e-003	0.0000	9.2799	9.2799	1.3000e-004	1.4600e-003	9.7189
Vendor	4.6000e-004	0.0181	5.1900e-003	1.1000e-004	4.1700e-003	1.9000e-004	4.3500e-003	1.2000e-003	1.8000e-004	1.3800e-003	0.0000	10.5225	10.5225	1.0000e-004	1.5500e-003	10.9867
Worker	5.9900e-003	4.4500e-003	0.0581	1.7000e-004	0.0205	1.0000e-004	0.0206	5.4300e-003	9.0000e-005	5.5200e-003	0.0000	15.5507	15.5507	3.8000e-004	4.1000e-004	15.6828
Total	**6.8800e-003**	**0.0417**	**0.0691**	**3.8000e-004**	**0.0276**	**5.0000e-004**	**0.0281**	**7.4400e-003**	**4.7000e-004**	**7.9100e-003**	**0.0000**	**35.3531**	**35.3531**	**6.1000e-004**	**3.4200e-003**	**36.3885**

3.5 Switchyard and Substation Phase 1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0197	0.1760	0.2207	4.4000e-004		7.8500e-003	7.8500e-003		7.4100e-003	7.4100e-003	0.0000	38.4912	38.4912	9.1500e-003	0.0000	38.7200
Total	**0.0197**	**0.1760**	**0.2207**	**4.4000e-004**		**7.8500e-003**	**7.8500e-003**		**7.4100e-003**	**7.4100e-003**	**0.0000**	**38.4912**	**38.4912**	**9.1500e-003**	**0.0000**	**38.7200**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0139	4.2300e-003	7.0000e-005	2.1400e-003	1.5000e-004	2.2800e-003	5.9000e-004	1.4000e-004	7.3000e-004	0.0000	6.6061	6.6061	1.0000e-004	1.0400e-003	6.9189
Vendor	3.3000e-004	0.0131	3.7000e-003	8.0000e-005	3.0100e-003	1.3000e-004	3.1500e-003	8.7000e-004	1.3000e-004	1.0000e-003	0.0000	7.4978	7.4978	7.0000e-005	1.1000e-003	7.8281
Worker	4.0500e-003	2.8700e-003	0.0393	1.2000e-004	0.0148	7.0000e-005	0.0149	3.9300e-003	6.0000e-005	3.9900e-003	0.0000	10.8975	10.8975	2.5000e-004	2.8000e-004	10.9861
Total	**4.6900e-003**	**0.0299**	**0.0472**	**2.7000e-004**	**0.0200**	**3.5000e-004**	**0.0203**	**5.3900e-003**	**3.3000e-004**	**5.7200e-003**	**0.0000**	**25.0014**	**25.0014**	**4.2000e-004**	**2.4200e-003**	**25.7331**

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	0.0197	0.1760	0.2207	4.4000e-004		7.8500e-003	7.8500e-003		7.4100e-003	7.4100e-003	0.0000	38.4912	38.4912	9.1500e-003	0.0000	38.7199
Total	**0.0197**	**0.1760**	**0.2207**	**4.4000e-004**		**7.8500e-003**	**7.8500e-003**		**7.4100e-003**	**7.4100e-003**	**0.0000**	**38.4912**	**38.4912**	**9.1500e-003**	**0.0000**	**38.7199**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0139	4.2300e-003	7.0000e-005	2.1400e-003	1.5000e-004	2.2800e-003	5.9000e-004	1.4000e-004	7.3000e-004	0.0000	6.6061	6.6061	1.0000e-004	1.0400e-003	6.9189
Vendor	3.3000e-004	0.0131	3.7000e-003	8.0000e-005	3.0100e-003	1.3000e-004	3.1500e-003	8.7000e-004	1.3000e-004	1.0000e-003	0.0000	7.4978	7.4978	7.0000e-005	1.1000e-003	7.8281
Worker	4.0500e-003	2.8700e-003	0.0393	1.2000e-004	0.0148	7.0000e-005	0.0149	3.9300e-003	6.0000e-005	3.9900e-003	0.0000	10.8975	10.8975	2.5000e-004	2.8000e-004	10.9861
Total	**4.6900e-003**	**0.0299**	**0.0472**	**2.7000e-004**	**0.0200**	**3.5000e-004**	**0.0203**	**5.3900e-003**	**3.3000e-004**	**5.7200e-003**	**0.0000**	**25.0014**	**25.0014**	**4.2000e-004**	**2.4200e-003**	**25.7331**

3.6 BESS Field Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0765	0.6900	0.9408	1.6800e-003		0.0330	0.0330		0.0314	0.0314	0.0000	145.9762	145.9762	0.0316	0.0000	146.7664
Total	**0.0765**	**0.6900**	**0.9408**	**1.6800e-003**		**0.0330**	**0.0330**		**0.0314**	**0.0314**	**0.0000**	**145.9762**	**145.9762**	**0.0316**	**0.0000**	**146.7664**

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	7.2000e-004	0.0320	9.6600e-003	1.6000e-004	4.9200e-003	3.4000e-004	5.2600e-003	1.3500e-003	3.3000e-004	1.6800e-003	0.0000	15.4665	15.4665	2.2000e-004	2.4400e-003	16.1982
Vendor	1.2600e-003	0.0497	0.0143	3.0000e-004	0.0115	5.1000e-004	0.0120	3.3000e-003	4.9000e-004	3.7900e-003	0.0000	28.9369	28.9369	2.7000e-004	4.2600e-003	30.2135
Worker	0.0225	0.0167	0.2178	6.4000e-004	0.0767	3.6000e-004	0.0771	0.0204	3.4000e-004	0.0207	0.0000	58.3151	58.3151	1.4400e-003	1.5400e-003	58.8105
Total	**0.0245**	**0.0984**	**0.2417**	**1.1000e-003**	**0.0931**	**1.2100e-003**	**0.0943**	**0.0250**	**1.1600e-003**	**0.0262**	**0.0000**	**102.7185**	**102.7185**	**1.9300e-003**	**8.2400e-003**	**105.2223**

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	0.0765	0.6900	0.9408	1.6800e-003		0.0330	0.0330		0.0314	0.0314	0.0000	145.9760	145.9760	0.0316	0.0000	146.7662
Total	**0.0765**	**0.6900**	**0.9408**	**1.6800e-003**		**0.0330**	**0.0330**		**0.0314**	**0.0314**	**0.0000**	**145.9760**	**145.9760**	**0.0316**	**0.0000**	**146.7662**

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	7.2000e-004	0.0320	9.6600e-003	1.6000e-004	4.9200e-003	3.4000e-004	5.2600e-003	1.3500e-003	3.3000e-004	1.6800e-003	0.0000	15.4665	15.4665	2.2000e-004	2.4400e-003	16.1982
Vendor	1.2600e-003	0.0497	0.0143	3.0000e-004	0.0115	5.1000e-004	0.0120	3.3000e-003	4.9000e-004	3.7900e-003	0.0000	28.9369	28.9369	2.7000e-004	4.2600e-003	30.2135

Worker	0.0225	0.0167	0.2178	6.4000e-004	0.0767	3.6000e-004	0.0771	0.0204	3.4000e-004	0.0207	0.0000	58.3151	58.3151	1.4400e-003	1.5400e-003	58.8105
Total	**0.0245**	**0.0984**	**0.2417**	**1.1000e-003**	**0.0931**	**1.2100e-003**	**0.0943**	**0.0250**	**1.1600e-003**	**0.0262**	**0.0000**	**102.7185**	**102.7185**	**1.9300e-003**	**8.2400e-003**	**105.2223**

3.6 BESS Field Phase 1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0522	0.4626	0.6795	1.2100e-003		0.0211	0.0211		0.0201	0.0201	0.0000	105.6593	105.6593	0.0227	0.0000	106.2278
Total	**0.0522**	**0.4626**	**0.6795**	**1.2100e-003**		**0.0211**	**0.0211**		**0.0201**	**0.0201**	**0.0000**	**105.6593**	**105.6593**	**0.0227**	**0.0000**	**106.2278**

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	5.2000e-004	0.0232	7.0500e-003	1.1000e-004	3.5600e-003	2.5000e-004	3.8100e-003	9.8000e-004	2.4000e-004	1.2100e-003	0.0000	11.0102	11.0102	1.7000e-004	1.7400e-003	11.5315
Vendor	8.9000e-004	0.0360	0.0102	2.1000e-004	8.2900e-003	3.7000e-004	8.6600e-003	2.3900e-003	3.5000e-004	2.7400e-003	0.0000	20.6190	20.6190	2.0000e-004	3.0300e-003	21.5274
Worker	0.0152	0.0108	0.1474	4.5000e-004	0.0555	2.5000e-004	0.0558	0.0147	2.3000e-004	0.0150	0.0000	40.8655	40.8655	9.5000e-004	1.0400e-003	41.1979
Total	**0.0166**	**0.0700**	**0.1646**	**7.7000e-004**	**0.0674**	**8.7000e-004**	**0.0682**	**0.0181**	**8.2000e-004**	**0.0189**	**0.0000**	**72.4947**	**72.4947**	**1.3200e-003**	**5.8100e-003**	**74.2567**

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	0.0522	0.4626	0.6795	1.2100e-003		0.0211	0.0211		0.0201	0.0201	0.0000	105.6592	105.6592	0.0227	0.0000	106.2276
Total	**0.0522**	**0.4626**	**0.6795**	**1.2100e-003**		**0.0211**	**0.0211**		**0.0201**	**0.0201**	**0.0000**	**105.6592**	**105.6592**	**0.0227**	**0.0000**	**106.2276**

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	5.2000e-004	0.0232	7.0500e-003	1.1000e-004	3.5600e-003	2.5000e-004	3.8100e-003	9.8000e-004	2.4000e-004	1.2100e-003	0.0000	11.0102	11.0102	1.7000e-004	1.7400e-003	11.5315
Vendor	8.9000e-004	0.0360	0.0102	2.1000e-004	8.2900e-003	3.7000e-004	8.6600e-003	2.3900e-003	3.5000e-004	2.7400e-003	0.0000	20.6190	20.6190	2.0000e-004	3.0300e-003	21.5274
Worker	0.0152	0.0108	0.1474	4.5000e-004	0.0555	2.5000e-004	0.0558	0.0147	2.3000e-004	0.0150	0.0000	40.8655	40.8655	9.5000e-004	1.0400e-003	41.1979
Total	**0.0166**	**0.0700**	**0.1646**	**7.7000e-004**	**0.0674**	**8.7000e-004**	**0.0682**	**0.0181**	**8.2000e-004**	**0.0189**	**0.0000**	**72.4947**	**72.4947**	**1.3200e-003**	**5.8100e-003**	**74.2567**

3.7 Asphalt Paving Phase 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Paving	5.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.8300e-003**					**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Paving	5.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.8300e-003**					**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

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

3.8 BESS Field Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.1819	0.2637	4.9000e-004		8.2100e-003	8.2100e-003		7.8000e-003	7.8000e-003	0.0000	42.6593	42.6593	9.4400e-003	0.0000	42.8953
Total	**0.0208**	**0.1819**	**0.2637**	**4.9000e-004**		**8.2100e-003**	**8.2100e-003**		**7.8000e-003**	**7.8000e-003**	**0.0000**	**42.6593**	**42.6593**	**9.4400e-003**	**0.0000**	**42.8953**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0138	4.1900e-003	7.0000e-005	2.1200e-003	1.5000e-004	2.2600e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.5461	6.5461	1.0000e-004	1.0300e-003	6.8560
Vendor	3.2000e-004	0.0130	3.6700e-003	8.0000e-005	2.9900e-003	1.3000e-004	3.1200e-003	8.6000e-004	1.3000e-004	9.9000e-004	0.0000	7.4296	7.4296	7.0000e-005	1.0900e-003	7.7570
Worker	0.0150	0.0107	0.1461	4.4000e-004	0.0550	2.5000e-004	0.0553	0.0146	2.3000e-004	0.0148	0.0000	40.4940	40.4940	9.4000e-004	1.0300e-003	40.8233
Total	**0.0157**	**0.0374**	**0.1539**	**5.9000e-004**	**0.0601**	**5.3000e-004**	**0.0606**	**0.0161**	**5.0000e-004**	**0.0166**	**0.0000**	**54.4697**	**54.4697**	**1.1100e-003**	**3.1500e-003**	**55.4363**

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	0.0208	0.1819	0.2637	4.9000e-004		8.2100e-003	8.2100e-003		7.8000e-003	7.8000e-003	0.0000	42.6593	42.6593	9.4400e-003	0.0000	42.8953
Total	**0.0208**	**0.1819**	**0.2637**	**4.9000e-004**		**8.2100e-003**	**8.2100e-003**		**7.8000e-003**	**7.8000e-003**	**0.0000**	**42.6593**	**42.6593**	**9.4400e-003**	**0.0000**	**42.8953**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0138	4.1900e-003	7.0000e-005	2.1200e-003	1.5000e-004	2.2600e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.5461	6.5461	1.0000e-004	1.0300e-003	6.8560
Vendor	3.2000e-004	0.0130	3.6700e-003	8.0000e-005	2.9900e-003	1.3000e-004	3.1200e-003	8.6000e-004	1.3000e-004	9.9000e-004	0.0000	7.4296	7.4296	7.0000e-005	1.0900e-003	7.7570
Worker	0.0150	0.0107	0.1461	4.4000e-004	0.0550	2.5000e-004	0.0553	0.0146	2.3000e-004	0.0148	0.0000	40.4940	40.4940	9.4000e-004	1.0300e-003	40.8233
Total	**0.0157**	**0.0374**	**0.1539**	**5.9000e-004**	**0.0601**	**5.3000e-004**	**0.0606**	**0.0161**	**5.0000e-004**	**0.0166**	**0.0000**	**54.4697**	**54.4697**	**1.1100e-003**	**3.1500e-003**	**55.4363**

3.8 BESS Field Phase 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1642	0.2602	4.9000e-004		7.0400e-003	7.0400e-003		6.6900e-003	6.6900e-003	0.0000	42.2702	42.2702	9.3000e-003	0.0000	42.5027
Total	**0.0193**	**0.1642**	**0.2602**	**4.9000e-004**		**7.0400e-003**	**7.0400e-003**		**6.6900e-003**	**6.6900e-003**	**0.0000**	**42.2702**	**42.2702**	**9.3000e-003**	**0.0000**	**42.5027**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0136	4.1700e-003	7.0000e-005	2.1000e-003	1.5000e-004	2.2400e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.3567	6.3567	1.0000e-004	1.0000e-003	6.6579
Vendor	3.1000e-004	0.0127	3.5800e-003	8.0000e-005	2.9600e-003	1.3000e-004	3.0900e-003	8.5000e-004	1.3000e-004	9.8000e-004	0.0000	7.2319	7.2319	8.0000e-005	1.0600e-003	7.5500
Worker	0.0139	9.4600e-003	0.1347	4.2000e-004	0.0545	2.3000e-004	0.0547	0.0145	2.2000e-004	0.0147	0.0000	38.7618	38.7618	8.4000e-004	9.5000e-004	39.0655
Total	**0.0146**	**0.0358**	**0.1425**	**5.7000e-004**	**0.0596**	**5.1000e-004**	**0.0601**	**0.0159**	**4.9000e-004**	**0.0164**	**0.0000**	**52.3504**	**52.3504**	**1.0200e-003**	**3.0100e-003**	**53.2734**

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	0.0193	0.1642	0.2602	4.9000e-004		7.0400e-003	7.0400e-003		6.6900e-003	6.6900e-003	0.0000	42.2701	42.2701	9.3000e-003	0.0000	42.5026
Total	**0.0193**	**0.1642**	**0.2602**	**4.9000e-004**		**7.0400e-003**	**7.0400e-003**		**6.6900e-003**	**6.6900e-003**	**0.0000**	**42.2701**	**42.2701**	**9.3000e-003**	**0.0000**	**42.5026**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0136	4.1700e-003	7.0000e-005	2.1000e-003	1.5000e-004	2.2400e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.3567	6.3567	1.0000e-004	1.0000e-003	6.6579
Vendor	3.1000e-004	0.0127	3.5800e-003	8.0000e-005	2.9600e-003	1.3000e-004	3.0900e-003	8.5000e-004	1.3000e-004	9.8000e-004	0.0000	7.2319	7.2319	8.0000e-005	1.0600e-003	7.5500
Worker	0.0139	9.4600e-003	0.1347	4.2000e-004	0.0545	2.3000e-004	0.0547	0.0145	2.2000e-004	0.0147	0.0000	38.7618	38.7618	8.4000e-004	9.5000e-004	39.0655
Total	**0.0146**	**0.0358**	**0.1425**	**5.7000e-004**	**0.0596**	**5.1000e-004**	**0.0601**	**0.0159**	**4.9000e-004**	**0.0164**	**0.0000**	**52.3504**	**52.3504**	**1.0200e-003**	**3.0100e-003**	**53.2734**

3.9 Asphalt Paving Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Paving	5.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.8300e-003**					**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

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					
Paving	5.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.8300e-003**					**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

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

3.10 Site Phase 3 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5700e-003	0.0000	1.5700e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.1635	0.1969	6.2000e-004		6.1200e-003	6.1200e-003		5.7100e-003	5.7100e-003	0.0000	54.0743	54.0743	0.0157	0.0000	54.4674
Total	**0.0232**	**0.1635**	**0.1969**	**6.2000e-004**	**1.5700e-003**	**6.1200e-003**	**7.6900e-003**	**1.7000e-004**	**5.7100e-003**	**5.8800e-003**	**0.0000**	**54.0743**	**54.0743**	**0.0157**	**0.0000**	**54.4674**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0180	5.6400e-003	9.0000e-005	2.8200e-003	1.9000e-004	3.0200e-003	7.7000e-004	1.9000e-004	9.6000e-004	0.0000	8.3744	8.3744	1.5000e-004	1.3200e-003	8.7716
Vendor	1.6000e-004	6.3500e-003	1.7800e-003	4.0000e-005	1.4900e-003	7.0000e-005	1.5600e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.5833	3.5833	4.0000e-005	5.2000e-004	3.7406
Worker	3.5300e-003	2.3000e-003	0.0340	1.1000e-004	0.0147	6.0000e-005	0.0147	3.9000e-003	5.0000e-005	3.9500e-003	0.0000	10.1075	10.1075	2.0000e-004	2.4000e-004	10.1842
Total	**4.1000e-003**	**0.0267**	**0.0414**	**2.4000e-004**	**0.0190**	**3.2000e-004**	**0.0193**	**5.1000e-003**	**3.0000e-004**	**5.4000e-003**	**0.0000**	**22.0652**	**22.0652**	**3.9000e-004**	**2.0800e-003**	**22.6964**

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					1.5700e-003	0.0000	1.5700e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.1635	0.1969	6.2000e-004		6.1200e-003	6.1200e-003		5.7100e-003	5.7100e-003	0.0000	54.0742	54.0742	0.0157	0.0000	54.4673
Total	**0.0232**	**0.1635**	**0.1969**	**6.2000e-004**	**1.5700e-003**	**6.1200e-003**	**7.6900e-003**	**1.7000e-004**	**5.7100e-003**	**5.8800e-003**	**0.0000**	**54.0742**	**54.0742**	**0.0157**	**0.0000**	**54.4673**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0180	5.6400e-003	9.0000e-005	2.8200e-003	1.9000e-004	3.0200e-003	7.7000e-004	1.9000e-004	9.6000e-004	0.0000	8.3744	8.3744	1.5000e-004	1.3200e-003	8.7716
Vendor	1.6000e-004	6.3500e-003	1.7800e-003	4.0000e-005	1.4900e-003	7.0000e-005	1.5600e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.5833	3.5833	4.0000e-005	5.2000e-004	3.7406
Worker	3.5300e-003	2.3000e-003	0.0340	1.1000e-004	0.0147	6.0000e-005	0.0147	3.9000e-003	5.0000e-005	3.9500e-003	0.0000	10.1075	10.1075	2.0000e-004	2.4000e-004	10.1842
Total	**4.1000e-003**	**0.0267**	**0.0414**	**2.4000e-004**	**0.0190**	**3.2000e-004**	**0.0193**	**5.1000e-003**	**3.0000e-004**	**5.4000e-003**	**0.0000**	**22.0652**	**22.0652**	**3.9000e-004**	**2.0800e-003**	**22.6964**

3.10 Site Phase 3 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5700e-003	0.0000	1.5700e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.1620	0.1951	6.1000e-004		6.0600e-003	6.0600e-003		5.6600e-003	5.6600e-003	0.0000	53.5782	53.5782	0.0156	0.0000	53.9677
Total	**0.0230**	**0.1620**	**0.1951**	**6.1000e-004**	**1.5700e-003**	**6.0600e-003**	**7.6300e-003**	**1.7000e-004**	**5.6600e-003**	**5.8300e-003**	**0.0000**	**53.5782**	**53.5782**	**0.0156**	**0.0000**	**53.9677**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0176	5.6200e-003	8.0000e-005	2.7900e-003	1.9000e-004	2.9900e-003	7.7000e-004	1.8000e-004	9.5000e-004	0.0000	8.1126	8.1126	1.5000e-004	1.2800e-003	8.4977

Vendor	1.5000e-004	6.2200e-003	1.7500e-003	4.0000e-005	1.4800e-003	6.0000e-005	1.5400e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.4812	3.4812	4.0000e-005	5.1000e-004	3.6338
Worker	3.2900e-003	2.0800e-003	0.0317	1.1000e-004	0.0145	6.0000e-005	0.0146	3.8600e-003	5.0000e-005	3.9100e-003	0.0000	9.7270	9.7270	1.9000e-004	2.3000e-004	9.7988
Total	**3.8500e-003**	**0.0259**	**0.0391**	**2.3000e-004**	**0.0188**	**3.1000e-004**	**0.0191**	**5.0600e-003**	**2.9000e-004**	**5.3500e-003**	**0.0000**	**21.3208**	**21.3208**	**3.8000e-004**	**2.0200e-003**	**21.9303**

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					1.5700e-003	0.0000	1.5700e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.1620	0.1951	6.1000e-004		6.0600e-003	6.0600e-003		5.6600e-003	5.6600e-003	0.0000	53.5781	53.5781	0.0156	0.0000	53.9676
Total	**0.0230**	**0.1620**	**0.1951**	**6.1000e-004**	**1.5700e-003**	**6.0600e-003**	**7.6300e-003**	**1.7000e-004**	**5.6600e-003**	**5.8300e-003**	**0.0000**	**53.5781**	**53.5781**	**0.0156**	**0.0000**	**53.9676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0176	5.6200e-003	8.0000e-005	2.7900e-003	1.9000e-004	2.9900e-003	7.7000e-004	1.8000e-004	9.5000e-004	0.0000	8.1126	8.1126	1.5000e-004	1.2800e-003	8.4977
Vendor	1.5000e-004	6.2200e-003	1.7500e-003	4.0000e-005	1.4800e-003	6.0000e-005	1.5400e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.4812	3.4812	4.0000e-005	5.1000e-004	3.6338
Worker	3.2900e-003	2.0800e-003	0.0317	1.1000e-004	0.0145	6.0000e-005	0.0146	3.8600e-003	5.0000e-005	3.9100e-003	0.0000	9.7270	9.7270	1.9000e-004	2.3000e-004	9.7988
Total	**3.8500e-003**	**0.0259**	**0.0391**	**2.3000e-004**	**0.0188**	**3.1000e-004**	**0.0191**	**5.0600e-003**	**2.9000e-004**	**5.3500e-003**	**0.0000**	**21.3208**	**21.3208**	**3.8000e-004**	**2.0200e-003**	**21.9303**

3.11 Switchyard and Substation Phase 3 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5000e-003	0.0717	0.0994	2.1000e-004		3.0700e-003	3.0700e-003		2.8900e-003	2.8900e-003	0.0000	17.9908	17.9908	4.4900e-003	0.0000	18.1032
Total	**8.5000e-003**	**0.0717**	**0.0994**	**2.1000e-004**		**3.0700e-003**	**3.0700e-003**		**2.8900e-003**	**2.8900e-003**	**0.0000**	**17.9908**	**17.9908**	**4.4900e-003**	**0.0000**	**18.1032**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0135	4.2300e-003	6.0000e-005	2.1200e-003	1.5000e-004	2.2600e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.2808	6.2808	1.1000e-004	9.9000e-004	6.5787
Vendor	1.6000e-004	6.3500e-003	1.7800e-003	4.0000e-005	1.4900e-003	7.0000e-005	1.5600e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.5833	3.5833	4.0000e-005	5.2000e-004	3.7406
Worker	3.5300e-003	2.3000e-003	0.0340	1.1000e-004	0.0147	6.0000e-005	0.0147	3.9000e-003	5.0000e-005	3.9500e-003	0.0000	10.1075	10.1075	2.0000e-004	2.4000e-004	10.1842
Total	**4.0000e-003**	**0.0222**	**0.0400**	**2.1000e-004**	**0.0183**	**2.8000e-004**	**0.0186**	**4.9100e-003**	**2.5000e-004**	**5.1600e-003**	**0.0000**	**19.9716**	**19.9716**	**3.5000e-004**	**1.7500e-003**	**20.5035**

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	8.5000e-003	0.0717	0.0994	2.1000e-004		3.0700e-003	3.0700e-003		2.8900e-003	2.8900e-003	0.0000	17.9908	17.9908	4.4900e-003	0.0000	18.1032
Total	**8.5000e-003**	**0.0717**	**0.0994**	**2.1000e-004**		**3.0700e-003**	**3.0700e-003**		**2.8900e-003**	**2.8900e-003**	**0.0000**	**17.9908**	**17.9908**	**4.4900e-003**	**0.0000**	**18.1032**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0135	4.2300e-003	6.0000e-005	2.1200e-003	1.5000e-004	2.2600e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.2808	6.2808	1.1000e-004	9.9000e-004	6.5787
Vendor	1.6000e-004	6.3500e-003	1.7800e-003	4.0000e-005	1.4900e-003	7.0000e-005	1.5600e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.5833	3.5833	4.0000e-005	5.2000e-004	3.7406
Worker	3.5300e-003	2.3000e-003	0.0340	1.1000e-004	0.0147	6.0000e-005	0.0147	3.9000e-003	5.0000e-005	3.9500e-003	0.0000	10.1075	10.1075	2.0000e-004	2.4000e-004	10.1842
Total	**4.0000e-003**	**0.0222**	**0.0400**	**2.1000e-004**	**0.0183**	**2.8000e-004**	**0.0186**	**4.9100e-003**	**2.5000e-004**	**5.1600e-003**	**0.0000**	**19.9716**	**19.9716**	**3.5000e-004**	**1.7500e-003**	**20.5035**

3.11 Switchyard and Substation Phase 3 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4200e-003	0.0710	0.0985	2.0000e-004		3.0500e-003	3.0500e-003		2.8600e-003	2.8600e-003	0.0000	17.8258	17.8258	4.4500e-003	0.0000	17.9371
Total	**8.4200e-003**	**0.0710**	**0.0985**	**2.0000e-004**		**3.0500e-003**	**3.0500e-003**		**2.8600e-003**	**2.8600e-003**	**0.0000**	**17.8258**	**17.8258**	**4.4500e-003**	**0.0000**	**17.9371**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0132	4.2100e-003	6.0000e-005	2.1000e-003	1.4000e-004	2.2400e-003	5.8000e-004	1.4000e-004	7.1000e-004	0.0000	6.0845	6.0845	1.1000e-004	9.6000e-004	6.3733
Vendor	1.5000e-004	6.2200e-003	1.7500e-003	4.0000e-005	1.4800e-003	6.0000e-005	1.5400e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.4812	3.4812	4.0000e-005	5.1000e-004	3.6338
Worker	3.2900e-003	2.0800e-003	0.0317	1.1000e-004	0.0145	6.0000e-005	0.0146	3.8600e-003	5.0000e-005	3.9100e-003	0.0000	9.7270	9.7270	1.9000e-004	2.3000e-004	9.7988
Total	**3.7400e-003**	**0.0215**	**0.0377**	**2.1000e-004**	**0.0181**	**2.6000e-004**	**0.0184**	**4.8700e-003**	**2.5000e-004**	**5.1100e-003**	**0.0000**	**19.2927**	**19.2927**	**3.4000e-004**	**1.7000e-003**	**19.8058**

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	8.4200e-003	0.0710	0.0985	2.0000e-004		3.0500e-003	3.0500e-003		2.8600e-003	2.8600e-003	0.0000	17.8258	17.8258	4.4500e-003	0.0000	17.9371
Total	**8.4200e-003**	**0.0710**	**0.0985**	**2.0000e-004**		**3.0500e-003**	**3.0500e-003**		**2.8600e-003**	**2.8600e-003**	**0.0000**	**17.8258**	**17.8258**	**4.4500e-003**	**0.0000**	**17.9371**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0132	4.2100e-003	6.0000e-005	2.1000e-003	1.4000e-004	2.2400e-003	5.8000e-004	1.4000e-004	7.1000e-004	0.0000	6.0845	6.0845	1.1000e-004	9.6000e-004	6.3733
Vendor	1.5000e-004	6.2200e-003	1.7500e-003	4.0000e-005	1.4800e-003	6.0000e-005	1.5400e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	3.4812	3.4812	4.0000e-005	5.1000e-004	3.6338
Worker	3.2900e-003	2.0800e-003	0.0317	1.1000e-004	0.0145	6.0000e-005	0.0146	3.8600e-003	5.0000e-005	3.9100e-003	0.0000	9.7270	9.7270	1.9000e-004	2.3000e-004	9.7988
Total	**3.7400e-003**	**0.0215**	**0.0377**	**2.1000e-004**	**0.0181**	**2.6000e-004**	**0.0184**	**4.8700e-003**	**2.5000e-004**	**5.1100e-003**	**0.0000**	**19.2927**	**19.2927**	**3.4000e-004**	**1.7000e-003**	**19.8058**

3.12 BESS Field Phase 3 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0158	0.1326	0.2107	4.0000e-004		5.6600e-003	5.6600e-003		5.3700e-003	5.3700e-003	0.0000	34.7757	34.7757	7.7200e-003	0.0000	34.9687
Total	**0.0158**	**0.1326**	**0.2107**	**4.0000e-004**		**5.6600e-003**	**5.6600e-003**		**5.3700e-003**	**5.3700e-003**	**0.0000**	**34.7757**	**34.7757**	**7.7200e-003**	**0.0000**	**34.9687**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0135	4.2300e-003	6.0000e-005	2.1200e-003	1.5000e-004	2.2600e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.2808	6.2808	1.1000e-004	9.9000e-004	6.5787
Vendor	2.3000e-004	9.5300e-003	2.6800e-003	6.0000e-005	2.2400e-003	1.0000e-004	2.3400e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	5.3749	5.3749	6.0000e-005	7.9000e-004	5.6109
Worker	0.0132	8.6400e-003	0.1275	4.1000e-004	0.0550	2.2000e-004	0.0552	0.0146	2.1000e-004	0.0148	0.0000	37.9031	37.9031	7.7000e-004	9.0000e-004	38.1906
Total	**0.0138**	**0.0317**	**0.1344**	**5.3000e-004**	**0.0594**	**4.7000e-004**	**0.0598**	**0.0158**	**4.4000e-004**	**0.0163**	**0.0000**	**49.5588**	**49.5588**	**9.4000e-004**	**2.6800e-003**	**50.3802**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0158	0.1326	0.2107	4.0000e-004		5.6600e-003	5.6600e-003		5.3700e-003	5.3700e-003	0.0000	34.7757	34.7757	7.7200e-003	0.0000	34.9686
Total	**0.0158**	**0.1326**	**0.2107**	**4.0000e-004**		**5.6600e-003**	**5.6600e-003**		**5.3700e-003**	**5.3700e-003**	**0.0000**	**34.7757**	**34.7757**	**7.7200e-003**	**0.0000**	**34.9686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0135	4.2300e-003	6.0000e-005	2.1200e-003	1.5000e-004	2.2600e-003	5.8000e-004	1.4000e-004	7.2000e-004	0.0000	6.2808	6.2808	1.1000e-004	9.9000e-004	6.5787
Vendor	2.3000e-004	9.5300e-003	2.6800e-003	6.0000e-005	2.2400e-003	1.0000e-004	2.3400e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	5.3749	5.3749	6.0000e-005	7.9000e-004	5.6109
Worker	0.0132	8.6400e-003	0.1275	4.1000e-004	0.0550	2.2000e-004	0.0552	0.0146	2.1000e-004	0.0148	0.0000	37.9031	37.9031	7.7000e-004	9.0000e-004	38.1906
Total	**0.0138**	**0.0317**	**0.1344**	**5.3000e-004**	**0.0594**	**4.7000e-004**	**0.0598**	**0.0158**	**4.4000e-004**	**0.0163**	**0.0000**	**49.5588**	**49.5588**	**9.4000e-004**	**2.6800e-003**	**50.3802**

3.12 BESS Field Phase 3 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0156	0.1313	0.2087	4.0000e-004		5.6100e-003	5.6100e-003		5.3200e-003	5.3200e-003	0.0000	34.4567	34.4567	7.6500e-003	0.0000	34.6478
Total	**0.0156**	**0.1313**	**0.2087**	**4.0000e-004**		**5.6100e-003**	**5.6100e-003**		**5.3200e-003**	**5.3200e-003**	**0.0000**	**34.4567**	**34.4567**	**7.6500e-003**	**0.0000**	**34.6478**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0132	4.2100e-003	6.0000e-005	2.1000e-003	1.4000e-004	2.2400e-003	5.8000e-004	1.4000e-004	7.1000e-004	0.0000	6.0845	6.0845	1.1000e-004	9.6000e-004	6.3733
Vendor	2.3000e-004	9.3300e-003	2.6200e-003	5.0000e-005	2.2200e-003	1.0000e-004	2.3200e-003	6.4000e-004	9.0000e-005	7.3000e-004	0.0000	5.2218	5.2218	6.0000e-005	7.6000e-004	5.4507
Worker	0.0123	7.8000e-003	0.1190	4.0000e-004	0.0545	2.1000e-004	0.0547	0.0145	1.9000e-004	0.0147	0.0000	36.4763	36.4763	6.9000e-004	8.4000e-004	36.7454
Total	**0.0129**	**0.0304**	**0.1259**	**5.1000e-004**	**0.0588**	**4.5000e-004**	**0.0593**	**0.0157**	**4.2000e-004**	**0.0161**	**0.0000**	**47.7825**	**47.7825**	**8.6000e-004**	**2.5600e-003**	**48.5694**

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	0.0156	0.1313	0.2087	4.0000e-004		5.6100e-003	5.6100e-003		5.3200e-003	5.3200e-003	0.0000	34.4566	34.4566	7.6500e-003	0.0000	34.6478
Total	**0.0156**	**0.1313**	**0.2087**	**4.0000e-004**		**5.6100e-003**	**5.6100e-003**		**5.3200e-003**	**5.3200e-003**	**0.0000**	**34.4566**	**34.4566**	**7.6500e-003**	**0.0000**	**34.6478**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0132	4.2100e-003	6.0000e-005	2.1000e-003	1.4000e-004	2.2400e-003	5.8000e-004	1.4000e-004	7.1000e-004	0.0000	6.0845	6.0845	1.1000e-004	9.6000e-004	6.3733
Vendor	2.3000e-004	9.3300e-003	2.6200e-003	5.0000e-005	2.2200e-003	1.0000e-004	2.3200e-003	6.4000e-004	9.0000e-005	7.3000e-004	0.0000	5.2218	5.2218	6.0000e-005	7.6000e-004	5.4507
Worker	0.0123	7.8000e-003	0.1190	4.0000e-004	0.0545	2.1000e-004	0.0547	0.0145	1.9000e-004	0.0147	0.0000	36.4763	36.4763	6.9000e-004	8.4000e-004	36.7454
Total	**0.0129**	**0.0304**	**0.1259**	**5.1000e-004**	**0.0588**	**4.5000e-004**	**0.0593**	**0.0157**	**4.2000e-004**	**0.0161**	**0.0000**	**47.7825**	**47.7825**	**8.6000e-004**	**2.5600e-003**	**48.5694**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	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	0.544951	0.056922	0.175129	0.132247	0.024165	0.006855	0.011655	0.018450	0.000608	0.000293	0.023172	0.001089	0.004464
Other Non-Asphalt Surfaces	0.544951	0.056922	0.175129	0.132247	0.024165	0.006855	0.011655	0.018450	0.000608	0.000293	0.023172	0.001089	0.004464
Parking Lot	0.544951	0.056922	0.175129	0.132247	0.024165	0.006855	0.011655	0.018450	0.000608	0.000293	0.023172	0.001089	0.004464

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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	ROG	NOx	CO	SO2	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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

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

Mitigated

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

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 – BIOLOGICAL RESOURCES ASSESSMENT/MSHCP COMPLIANCE ANALYSIS

Jacobs

Memorandum

Biological Resources Assessment/MSHCP Compliance Analysis
October 21, 2022

Subject	**Biological Resources Assessment/MSHCP Compliance Analysis**
Project Name	Calpine Nova Power Bank Project
Attention	Mitchell Weinberg (Nova Power, LLC) Emily Precht (Nova Power, LLC) Frank Escobedo (Nova Power, LLC)
From	Cara Snellen (Jacobs)
Date	October 21, 2022
Copies to	Lisa Amador (Jacobs), Dennis Miller (Jacobs), Joe Aguirre (Jacobs)

1. Introduction

The Nova Power Bank Project (project) is a 680 megawatts (MW) nominal battery energy storage project which may be constructed in phases or all at once depending on when full capacity is needed. The project will interconnect with the southern California electrical grid at Southern California Edison's Valley Substation using the facilities already in place at the decommissioned Inland Empire Energy Center (IEEC) located in Menifee, California. No additional transmission facilities will be needed. The Valley Substation is located approximately 0.52 miles east of the project site. The project will repurpose the former IEEC's operations buildings as well as many of the existing interconnections for water, recycled water, sewer and retail electricity service. The project expects to use lithium-ion, flow battery or other battery technologies to store electrical energy from the grid for discharge later when customer demand is high.

The project site falls within the Western Riverside Multiple Species Habitat Conservation Plan (WR-MSHCP) area. However, the project site is not located within an MSHCP Criteria Area, Cell Group, or Linkage Area. No Habitat Evaluation and Acquisition Negotiation Strategy (HANS) or Joint Project Review (JPR) are required. The project site is also located within the Harvest Valley/Winchester Area Plan area.

As the City of Menifee is a permittee to the WR-MSHCP, development projects conducted within the city are required to comply with the plan. This Biological Resources/WR-MSHCP Compliance Analysis Memorandum (Memo) summarizes the results of a site field assessment to identify biological resources present or with potential to occur and provides recommendations for achieving compliance with the WR-MSHCP. The project study area discussed in this Memo consists of the project site property boundary and a surrounding 500-foot buffer (Figure 1).

2. Project Location

The project is planned to occupy the site of the former natural gas-fired power plant, the IEEC, which ceased operations in December 2019. Decommissioning and demolition of the IEEC are nearly complete. The site is located in the City of Menifee immediately southeast of the community of Romoland, bounded by Antelope Road on the west; railroad tracks and Case Road on the northeast; a drainage canal, electrical transmission corridor, and McLaughlin Road to the south; Matthews Road and vacant parcel to the east; and a concrete batch plant, Ethanac Road, and State Route 74 to the north (Figure 1). The project site

consists of 49.87 acres, encompassing three Assessor's Parcel Numbers (APN) 331-180-020, 331-180-021, and 331-180-022. The 500-foot buffer surrounding the project site overlaps several additional APNs as listed in Table 1. Together, the project site and buffer (i.e., project study area) comprise 134.82 acres.

Table 1. Assessor's Parcel Numbers within the Project Study Area

APN	Project Site Acres	500-foot Buffer Acres	Total Project Study Area Acres
331-150-017	--	0.00	0.00
331-150-018	--	0.26	0.26
331-150-027	--	0.56	0.56
331-150-031	--	3.24	3.24
331-150-037	--	5.00	5.00
331-150-039	--	3.17	3.17
331-150-044	--	3.56	3.56
331-150-045	--	3.54	3.54
331-150-046	--	2.03	2.03
331-150-047	--	2.54	2.54
331-150-048	--	1.00	1.00
331-170-030	--	1.00	1.00
331-180-002	--	0.08	0.08
331-180-004	--	2.37	2.37
331-180-006	--	1.11	1.11
331-180-012	--	3.62	3.62
331-180-014	--	1.65	1.65
331-180-015	--	4.61	4.61
331-180-016	--	8.20	8.20
331-180-020	2.73	--	2.73
331-180-021	2.05	--	2.05
331-180-022	43.14	--	43.14
331-190-006	--	1.38	1.38
331-190-010	--	3.8-1	3.81
331-190-011	--	3.81	3.81
331-190-014	--	3.31	3.31

Table 1. Assessor's Parcel Numbers within the Project Study Area

APN	Project Site Acres	500-foot Buffer Acres	Total Project Study Area Acres
331-190-034	--	4.49	4.49
331-190-054	--	2.89	2.89
331-190-055	--	0.08	0.08
331-190-060	--	2.74	2.74
331-190-061	--	1.05	1.05
331-120-018	--	0.53	0.53
331-120-019	--	0.55	0.55
331-120-020	--	1.11	1.11
331-120-031	--	2.26	2.26
331-121-019	--	0.48	0.48
331-121-020	--	0.25	0.25
331-121-021	--	0.00	0.00
Right-of-Way	1.95	8.68	10.63
Total	**49.87**	**84.95**	**134.82**

Note:

0.00 = less than 0.005 acres. Dashed indicate no acreage.

Acreages may not sum as shown due to rounding.

3. Project Description

The Nova Power Bank will use battery energy storage technology to support southern California electrical grid operations. The project will store energy during times of surplus production of renewable sources such as solar and wind, for discharge when needed during peak grid hours typically in the early evening. This distributed energy resource will assist the California grid in making full and efficient use of renewable energy resources.

Project objectives are as follows:

- Construct and operate a battery energy storage facility to help California advance its Renewable Portfolio Standard and energy storage goals
- Provide long-duration storage capacity to LSEs that will count towards their state-mandated procurement targets

- Maximize the use of existing energy project infrastructure so as to minimize impacts on and conflicts with residential, conservation, and agricultural land uses as well as other local land use objectives

4. Environmental Setting

4.1 Land Use

The current land use in and around the project study area includes industrial activity, residential developments, and agriculture. Several parcels consist of disturbed ruderal vegetation. A desktop review of aerial imagery dating to September 1996 indicated this area has been subject to disturbance and development for some time (Google Earth Pro 2022). Stormwater retention basins located in the southwestern and southeastern corners of the project site have been present for several years. Elevation at the project site is approximately 1,450 feet above mean sea level.

4.2 Climate

Historical climate data is available from the National Oceanic and Atmospheric Administration (NOAA) for Hemet, California, located approximately 12 miles east of the project study area. Precipitation data for the current norm period (1991 to 2020) and the 2021-2022 water year, which corresponds to the time of the site assessment, are presented in Table 2 (NOAA 2022). Hemet received 6.48 inches of precipitation during the 2021-2022 water year, which is less than the norm of 11.75 inches. The project study area at the beginning of the current water year was experiencing severe drought conditions (i.e., crop/pasture losses likely, water shortages common, water restrictions imposed) (National Drought Mitigation Center 2022). Conditions improved slightly in December 2021 and the project study area is currently in a moderate drought.

Table 2. Normal Precipitation and Current Water Year for Hemet, California

	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Norm (inches)	0.19	0.19	0.37	0.51	0.73	1.71	2.40	2.80	1.62	0.74	0.44	0.05	11.75
21-22 Water Year (inches)	0.37	0.00	0.07	1.04	0.00	2.85	0.13	0.80	0.77	0.37	0.00	0.08	6.48

Note:

Normal Precipitation based on 1981 through 2010 water years. Current water year from July 2021 through June 2022.

4.3 Soils

Soils data for the project study area was obtained from the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Soil Survey Geographic (SSURGO) database (USDA 2019). Eight soil types were mapped within the project study area (Figure 2). The names of these soils and the percent of the project study area they occupy are presented in Table 3. The entire project study area consists of sandy loams. No serpentine or alkaline soils are present within the project study area. Detailed soil descriptions are below.

Table 3. NRCS Mapped Soils Occurring in the Project Study Area

Soil Group	Soil Name	Project Site Acres	500-foot Buffer Acres	Total Project Study Area Acres	Percent of the Project Study Area
Sandy loam	Exeter sandy loam, 2 to 8 percent slopes, eroded	41.90	48.15	90.05	66.8%
	Exeter very fine sandy loam, 0 to 5 percent slopes	--	7.42	7.42	5.5%
	Exeter very fine sandy loam, deep, 0 to 5 percent slopes	--	3.61	3.61	2.7%
	Greenfield sandy loam, 2 to 8 percent slopes, eroded	1.53	5.14	6.67	4.9%
	Madera fine sandy loam, 2 to 5 percent slopes, eroded	2.96	4.75	7.71	5.7%
	Monserate sandy loam, 0 to 5 percent slopes	0.12	7.11	7.23	5.4%
	Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded	3.28	5.85	9.13	6.8%
	Ramona sandy loam, 2 to 5 percent slopes, eroded	--	2.99	2.99	2.2%

Note:

0.00 = less than 0.005 acres. Dashed indicate no acreage.

Acreages may not sum as shown due to rounding.

Exeter sandy loam, 2 to 8 percent slopes, eroded: Exeter sandy loam, 2 to 8 percent slopes, eroded, soils are moderately deep to a duripan, moderately well drained but eroded soils that formed in alluvium mainly from granitic sources. These soils are found on alluvial fans and stream terraces with 2 to 8 percent slopes at elevations ranging from 20 to 700 feet. The mean annual precipitation is about 11 inches and the mean annual air temperature is about 64 degrees F. These soils experience frost-free periods lasting approximately 250 to 300 days.

Exeter very fine sandy loam, 0 to 5 percent slopes: Exeter very fine sandy loam, 0 to 5 percent slopes, soils are moderately deep to a duripan, moderately well drained fine soils that formed in alluvium mainly from granitic sources. These soils are found on alluvial fans and stream terraces with 0 to 5 percent slopes at elevations ranging from 20 to 700 feet. The mean annual precipitation is about 11 inches and the mean annual air temperature is about 64 degrees F. These soils experience frost-free periods lasting approximately 250 to 300 days.

Exeter very fine sandy loam, deep, 0 to 5 percent slopes: Exeter very fine sandy loam, deep, 0 to 5 percent slopes, soils are deep to a duripan, moderately well drained fine soils that formed in alluvium mainly from granitic sources. These soils are found on alluvial fans and stream terraces with 0 to 5 percent slopes at elevations ranging from 20 to 700 feet. The mean annual precipitation is about 11 inches and the mean annual air temperature is about 64 degrees F. These soils experience frost-free periods lasting approximately 250 to 300 days.

Greenfield sandy loam, 2 to 8 percent slopes, eroded: Greenfield sandy loam, 2 to 8 percent slopes, eroded, soils are deep, well drained but eroded soils that formed in moderately coarse and coarse textured alluvium derived from granitic and mixed rock sources. These soils are found on alluvial fans and terraces

with 2 to 8 percent slopes at elevations ranging from 100 to 3,500 feet. The mean annual precipitation is about 15 inches and the mean annual air temperature is about 62 degrees F. These soils experience frost-free periods lasting approximately 200 to 325 days.

Madera fine sandy loam, 2 to 5 percent slopes, eroded: Madera fine sandy loam, 2 to 5 percent slopes, eroded, soils are moderately deep to hardpan, well or moderately well drained but eroded soils that formed in old alluvium derived from granitic rock sources. These soils are found on undulating low terraces with 2 to 5 percent slopes at elevations ranging from 10 to 250 feet. The mean annual precipitation is about 11 inches and the mean annual air temperature is about 63 degrees F. These soils experience frost-free periods lasting over 250 days.

Monserate sandy loam, 0 to 5 percent slopes: Monserate sandy loam, 0 to 5 percent slopes, soils are fine-loamy, mixed, thermic soils underlain by silica-cemented duripans that formed in alluvium derived primarily from granitic rocks. These soils are found on nearly level to moderately steep old dissected terraces and fans with 0 to 5 percent slopes at elevations ranging from 700 to 2,500 feet. The mean annual precipitation is about 12 to 18 inches and the mean annual air temperature is about 50 degrees F. These soils experience frost-free periods lasting approximately 230 to 280 days.

Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded: Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded, soils are shallow, fine-loamy, mixed, thermic soils underlain by silica-cemented duripans that formed in alluvium derived primarily from granitic rocks and subjected to erosion. These soils are found on nearly level to moderately steep old dissected terraces and fans with 5 to 15 percent slopes at elevations ranging from 700 to 2,500 feet. The mean annual precipitation is about 12 to 18 inches and the mean annual air temperature is about 50 degrees F. These soils experience frost-free periods lasting approximately 230 to 280 days.

Ramona sandy loam, 2 to 5 percent slopes, eroded: Ramona sandy loam, 2 to 5 percent slopes, eroded soils are fine-loamy, mixed, thermic soils that formed in alluvium derived mostly from granitic and related rock sources. These soils are found on nearly level to moderately steep terraces and fans with 2 to 5 percent slopes at elevations ranging from 250 to 3,500 feet. The mean annual precipitation is about 10 to 20 inches and the mean annual air temperature is about 60 to 66 degrees F. These soils experience frost-free periods lasting approximately 230 to 320 days

5. Methods

A desktop analysis and site visit were conducted to assess the presence of biological resources, including suitable habitat for special-status wildlife species, and to determine consistency with the MSHCP.

5.1 Desktop Analysis

A desktop analysis was conducted to generate a list of special-status species as well sensitive habitats and other sensitive biological resources (e.g., jurisdictional features) that are known or have potential to occur in the project study area. Special-status species are those listed as threatened or endangered, or a candidate for listing by the U.S. Fish and Wildlife Service (USFWS) or National Marine Fisheries Service (NMFS) under the federal Endangered Species Act (FESA) and/or by the California Department of Fish and Wildlife (CDFW) under the California Endangered Species Act (CESA). Special-status species also include those listed as sensitive by other government agencies, such as the Bureau Land Management (BLM), or

covered under the WR-MSHCP. Additionally, plant species assigned a California Rare Plant Rank (CRPR) of 1 or 2 by the California Native Plant Society (CNPS) were considered special-status for the analysis.

The California Natural Diversity Database (CNDDB) was queried for occurrence records within a 5-mile buffer of the project study area (CDFW, 2022). An informal USFWS Information for Planning and Conservation (IPaC) Trust Resource Report and Official Species List of federally threatened and endangered species and their critical habitats that may occur in or near the project study area was generated (USFWS, 2022a; Attachment 1). Other publicly available data reviewed as part of the desktop analysis included the CNPS Electronic Inventory and the Consortium of California Herbaria (CCH) for special-status plant occurrences (CNPS, 2022; CCH, 2022) and The National Wetlands Inventory (NWI) for the presence of wetlands and other jurisdictional features (USFWS, 2022b). Aerial imagery dating to September 1996 were reviewed to identify potential habitat for special-status and WR-MSHCP covered species (Google Earth Pro 2022).

The WR-MSHCP GIS online data portal was queried to identify species survey areas and conserved lands that overlap the project study area (Western Riverside County Regional Conservation Authority [RCA], 2022). The results of this query were used to determine any specific habitat assessments or other actions that would be required as part of the compliance analysis.

5.2 Site Visit

Jacobs biologist Dennis Miller conducted a site visit on April 26, 2022, to document current habitat conditions and identify biological resources present in the project study area. As the project study area is located within the WR-MSHCP burrowing owl (BUOW) Survey Area, a habitat suitability assessment for this species was also conducted. The project study area is not located within a WR-MSHCP Criteria Cell; however, it is subject to the WR-MSHCP Riparian/Riverine, Vernal Pool and Fairy Shrimp policies (WR-MSHCP Section 6.1.2). Thus, the site visit included identification and mapping of any riparian/riverine habitat and vernal pools present. The project study area is also located in the Stephen's kangaroo rat (SKR) Habitat Conservation Plan (HCP) area. Although the site is not within a Core Reserve of the HCP, a habitat suitability assessment for SKR was conducted as part of the site visit.

Vegetation community mapping was conducted during a second site visit on October 10, 2022, by Jacobs biologist Robert Hernandez. Natural vegetation communities were characterized based on dominant and subdominant plant species. Vegetation community descriptions follow the Manual of California Vegetation, 2nd Edition (MCV) (Sawyer et al. 2009).

6. Results

6.1 Desktop Analysis

Results of the desktop analysis indicate that 42 special-status species (15 plant species, 27 wildlife species) have been previously documented in the vicinity of the project study area. These species, along with their potential to occur, are detailed in Table 4 below. Occurrence locations are shown in Figure 3.

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Plants (15)			
Chaparral sand verbena *Abronia villosa* var. *aurita*	**1B.1**	Annual herb. Found in sandy soils within chaparral, coastal scrub, desert dunes. Elevation 245-5,250 feet. Blooms (January) March through September.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Munz's onion *Allium munzii*	**FE** **ST** **1B.1** **WR-MSHCP**	Perennial bulbiferous herb. Found in clay or mesic soils within chaparral, cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Elevation 975-3,510 feet. Blooms March through May.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
San Diego ambrosia *Ambrosia pumila*	**FE** **1B.1** **WR-MSHCP**	Perennial rhizomatous herb. Found often in disturbed areas sometimes in alkaline, clay, or sandy soils within chaparral, coastal scrub, valley and foothill grassland, vernal pools. Elevation 65-1,360 feet. Blooms April through October.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
San Jacinto Valley crownscale *Atriplex coronata* var. *notatior*	**FE** **1B.1** **WR-MSHCP**	Annual herb. Found in alkaline soils within playas, valley and foothill grassland, vernal pools. Elevations 455-1,640 feet. Blooms April through August.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Parish's brittlescale *Atriplex parishii*	**1B.1** **WR-MSHCP**	Annual herb. Found in alkaline soils within chenopod scrub, playas, vernal pools. Elevations 80-6,235 feet. Blooms June through October.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Davidson's saltscale *Atriplex serenana* var. *davidsonii*	**1B.2** **WR-MSHCP**	Annual herb. Found in alkaline soils within coastal bluff scrub, coastal scrub. Elevations 35-655 feet. Blooms April through October.	**Does Not Occur:** Not observed. Not expected to occur. Project study area is outside the species' elevation range and does not contain suitable habitat.
Thread-leaved brodiaea *Brodiaea filifolia*	**FT** **SE** **1B.1** **WR-MSHCP**	Perennial bulbiferous herb. Found usually in clay soils within chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools. Elevation 80-3,675 feet. Blooms March through June.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Smooth tarplant *Centromadia pungens* ssp. *laevis*	**1B.1 WR-MSHCP**	Annual herb. Found in alkaline soils within chenopod scrub, meadows and seeps, playas, riparian woodland, valley and foothill grassland. Elevation 0-2,100 feet. Blooms April through September.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Parry's spineflower *Chorizanthe parryi* var. *parryi*	**1B.1 WR-MSHCP**	Annual herb. Found in openings sometimes consisting of rocky or sandy soils within chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. Elevation 900-4,005 feet. Blooms April through June.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Long-spined spineflower *Chorizanthe polygonoides* var. *longspina*	**1B.2 WR-MSHCP**	Annual herb. Found usually in clay soils within chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools. Elevation 100-5,020 feet. Blooms April through July.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Coulter's goldfields *Lasthenia glabrata* ssp. *coulteri*	**1B.1 WR-MSHCP**	Annual herb. Found in marshes and swamps, playas, vernal pools. Elevation 5-4,005 feet. Blooms February through June.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Spreading navarretia *Navarretia fossalis*	**FT 1B.1 WR-MSHCP**	Annual herb. Found in chenopod scrub, marshes and swamps, playas, vernal pools. Elevation 100-2,150 feet. Blooms April through June.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
California Orcutt grass *Orcuttia californica* var. *californica*	**FE SE 1B.1 WR-MSHCP**	Annual herb. Found in vernal pools. Elevation 50-2,165 feet. Blooms April through August.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
California screw moss *Tortula californica*	**1B.2**	Moss. Found in chenopod scrub, valley and foothill grassland. Elevation 35-4,790 feet.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.
Wright's trichocoronis *Trichocoronis wrightii* var. *wrightii*	**2B.1 WR-MSHCP**	Annual herb. Found in marshes and swamps, meadows and seeps, riparian forest, vernal pools. Elevations 15-1,425 feet. Blooms May through September.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat.

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Invertebrates (5)			
Crotch's bumble bee *Bombus crotchii*	**SCE**	Occurs primarily in California, including the Mediterranean region, Pacific Coast, Western Desert, and adjacent foothills throughout most of the state's southwestern region. Inhabits grasslands and shrublands prefers certain plant species as a food source. Nests are often located underground in abandoned rodent nests, or above ground in tufts of grass, old bird nests, rock piles, or cavities in dead trees.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 2.5 miles east of the project study area and is dated 1946 (CDFW, 2022).
Vernal pool fairy shrimp *Branchinecta lynchi*	**FT** **WR-MSHCP**	Occurs in vernal pools, vernal swales, alkaline pools, and road-side ditches. Optimal pools tend to be a neutral to slightly alkaline pH, have low dissolved salts, and are dominated by native vernal pool plants. This species can occur in pools as large as 25 acres, but most occur in much smaller pools measuring less than 0.05 acres.	**Unlikely:** Not observed. Project study area contains limited suitable habitat, although highly disturbed and degraded. The nearest record is 6.75 miles east of the project study area and is dated 2005 (CDFW, 2022).
Monarch butterfly *Danuaus plexippus*	**FC**	Breeding areas include milkweed patches; overwintering habitat consists of Mexican and coastal California conifer forests and Eucalyptus groves. Coastal regions with source of nectar (wild or gardens) serves as important flyways.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable breeding habitat or adequate sources of nectar.
Quino checkerspot butterfly *Euphydryas editha quino*	**FE** **WR-MSHCP**	Found in chaparral and coastal sage scrub habitats and require hosts plants *Plantago erecta* and *Plantago hookeriana* var. *californica.* Larvae feed on those *Plantago* species and various Scrophulariaceae or Valerianaceae.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 5 miles south of the project study area and is dated 1997 (CDFW, 2022).

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Riverside fairy shrimp *Streptocephalus woottoni*	**FE** **WR-MSHCP**	Occurs in vernal pools, as well as earthen slope basins or tectonic swales located in patches of grassland and agriculture interspersed in coastal sage scrub vegetation. Minimum habitat size is 750 square meters, with a minimum depth of 30 cm at maximum filling, and pH at neutral or just below.	**Unlikely:** Not observed. Project study area contains limited suitable habitat, although highly disturbed and degraded. The nearest record is 4.25 miles southeast of the project study area and is dated 2004 (CDFW, 2022).
Amphibians (1)			
Western spadefoot *Spea hammondii*	**SSC** **WR-MSHCP**	Occurs primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley/foothill woodlands, pastures, and other agriculture.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 0.3 miles south of the project study area and is dated 2015 (CDFW, 2022).
Reptiles (7)			
Southern California legless lizard *Anniella stebbinsi*	**SSC**	Occurs in a broad range of habitats, including coastal sand dunes and a variety of interior habitat such as sandy washes and alluvial fans. Spend most of the time burrowed in loose soil; some surface movements may occur when active at dusk and at night.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 2.5 miles northeast of the project study area and is dated 2016 (CDFW, 2022).
California glossy snake *Arizona elegans occidentalis*	**SSC**	Occurs in arid scrub, rocky washes, grasslands, and chaparral.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 5 miles west of the project study area and is dated 1946 (CDFW, 2022).
Orange-throated whiptail *Aspidoscelis hyperythra*	**SSC** **WR-MSHCP**	Occurs primarily on coarse soils in open coastal sage scrub vegetation; also inhabits many other vegetation types and disturbed areas with 50 percent cover and 50 percent bare soil and flat to sloping topography.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 2 miles south of the project study area and is dated 1999 (CDFW, 2022).

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Coastal whiptail *Aspidoscelis tigris stejnegeri*	**SSC** **WR-MSHCP**	Occurs in Riversidean alluvial sage scrub, primarily hot and dry open areas with sparse foliage; chaparral, woodland, and riparian areas.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 4.5 miles southeast of the project study area and is dated 1997 (CDFW, 2022).
Red-diamond rattlesnake *Crotalus ruber*	**SSC** **WR-MSHCP**	Occurs in rocky areas within a variety of habitats including deciduous forest, ocean shores, desert scrub, thornscrub, open chaparral, mesquite/cactus, and pine-oak woodland; may sometimes be found in dunes, grassland, and cultivated areas between rock outcrops. Refuges include rock crevices, animal burrows, brush piles, surface debris, or similar sites.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 3.4 miles southeast of the project study area and is dated 1980 (CDFW, 2022).
Western pond turtle *Emys marmorata*	**SSC** **WR-MSHCP**	Occurs in and around a wide variety of permanent or nearly permanent aquatic habitats below 1,828m in elevation.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 4.5 miles northwest of the project study area and is dated 1933 (CDFW, 2022).
Coast horned lizard *Phrynosoma blainvillii*	**SSC** **WR_MSHCP**	Occurs in a variety of habitats, including scrubland, grassland, coniferous woods, and broadleaf woodlands; typically found in areas with sandy soil, scattered shrubs, and ant colonies, such as along the edges of arroyo bottoms or dirt roads.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 4.3 miles northeast of the project study area and is dated 1929 (CDFW, 2022).
Birds (10)			
Southern California rufous-crowned sparrow *Aimophila ruficeps canescens*	**WL** **WR-MSHCP**	Found in sage scrub, broken or burned chaparral, and grassland with scattered shrubs. Breeds in sparsely vegetated scrubland on hillsides and canyons.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable nesting habitat. The nearest record is 3 miles southwest of the project study area and is dated 1998 (CDFW, 2022).

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Golden eagle *Aquila chrysaetos*	**CFP** **WL** **WR-MSHCP**	Nests on cliffs, large trees, or electrical towers; forages in open areas.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable nesting or foraging habitat. The nearest record is 4.5 miles southeast of the project study area and is dated 1997 (CDFW, 2022).
Bell's sage sparrow *Artemisiospiza belli belli*	**WL** **WR-MSHCP**	Nests on the ground or in a shrub, up to 1 meter above the ground within chaparral dominated by chamise and/or California sagebrush.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable nesting habitat. The nearest record is 3.5 miles southwest of the project study area and is dated 2000 (CDFW, 2022).
Burrowing owl *Athene cunicularia*	**SSC** **WR-MSHCP**	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	**Unlikely:** Not observed. Project study area contains limited suitable habitat, although highly disturbed and degraded. The nearest record is 0.25 miles south of the project study area and is dated 2015 (CDFW, 2022).
Ferruginous hawk *Buteo regalis*	**WL** **WR-MSHCP**	Nests in tall trees or willows along streams or on steep slopes, in junipers (Utah), on cliff ledges, river-cut banks, hillsides, on power line towers, sometimes on sloped ground on the plains or on mounds in open desert. Found in open country, primarily prairies, plains and badlands; sagebrush, saltbush-greasewood shrubland, periphery of pinyon-juniper and other woodland, and deserts.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable nesting habitat. The nearest record is 3 miles southeast of the project study area and is dated 2008 (CDFW, 2022).
Southwestern willow flycatcher *Empidonax traillii extimus*	**FE** **SE** **WR-MSHCP**	Breeding range is within the southwestern United States. Nests in relatively dense riparian vegetation where surface water is present or soil moisture is high enough to maintain the appropriate vegetation characteristics.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable (i.e., riparian) habitat. No records within 10 miles; critical habitat is located 23 miles south of the project study area.

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
California horned lark *Eremophila alpestris actia*	**WL** **WR-MSHCP**	Nests in hollow on ground often next to grass tuft or clod of earth or manure. Prefers open areas dominated by sparse low herbaceous vegetation or widely scattered low shrubs.	**Unlikely:** Not observed. Project study area contains limited suitable habitat, although highly disturbed and degraded. The nearest record is 0.2 miles southeast of the project study area and is dated 2015 (CDFW, 2022).
Loggerhead shrike (nesting) *Lanius ludovicianus*	**SSC** **WR-MSHCP**	A common resident and winter visitor in lowlands and foothills throughout California. Nests in densely-foliaged shrubs or trees.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable nesting habitat. The nearest record is 2.4miles south of the project study area and is dated 2007 (CDFW, 2022).
Coastal California gnatcatcher *Polioptila californica californica*	**FT** **SSC** **WR-MSHCP**	Small non-migratory bird endemic to coastal Southern California. Associated with low-growing, drought-tolerant sage scrub habitat with nests often located in California sagebrush. Also documented in chaparral, grassland, and riparian habitats where they occur in proximity to sage scrub. These non-sage scrub habitats are typically used for dispersal and foraging.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 0.75 miles south of the project study area and is dated 2002 (CDFW, 2022).
Least Bell's vireo *Vireo bellii pusillus*	**FE** **SE** **WR-MSHCP**	Found in arid regions in such habitats as dense brush, mesquite, willow-cottonwood forest, streamside thickets, willow-dominated riparian woodlands, and scrub oak, but often near water. Nests are placed in shrubs or low trees; individuals often return to the same nesting territory in successive years. Forages in dense brush, occasionally in treetops, and gleans prey from leaf and bark substrates.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable (i.e., riparian) habitat. The nearest record is 5 miles west of the project study area and is dated 2011 (CDFW, 2022).

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Mammals (9)			
Dulzura pocket mouse *Chaetodipus californicus femoralis*	**SSC**	Occurs in sandy, herbaceous areas, usually in associated with rocks or coarse gravel, within coastal scrub, chamise-redshank chaparral, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent scrub, pinyon-juniper woodland, and annual grassland.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 2 miles southeast of the project study area and is dated 1993 (CDFW, 2022).
Northwestern San Diego pocket mouse *Chaetodipus fallax fallax*	**SSC** **WR-MSHCP**	Occurs in a wide variety of temperate habitats ranging from chaparral and grasslands to scrub forests and deserts at elevations ranging from sea level along the Pacific coast to around 1400 m in the mountains of southwest California and Baja California. Requires presence of low growing vegetation or rocky outcroppings, as well as sandy soil to dig burrows.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 3.2 miles south of the project study area and is dated 1992 (CDFW, 2022).
San Bernardino Merriam's kangaroo rat *Dipodomys merriami parvus*	**FE** **SCE** **SSC** **WR-MSHCP**	Occurs in alluvial sage scrub on alluvial fans, flood plains, along washes, in adjacent upland areas, and in areas with historic braided stream characterized by sand, loam, sandy loam, or gravelly soils. Prefers open early and intermediate phases of alluvial sage scrub, but mature sage scrub is important as refugia during floods.	**Unlikely:** Not observed. Project study area contains limited suitable habitat, although highly disturbed and degraded. The nearest record is 1.3 miles southeast of the project study area and is dated 1938 (CDFW, 2022).
Stephen's kangaroo rat *Dipodomys stephensi*	**FE** **ST** **WR-MSHCP**	Occurs in annual grassland and coastal sage scrub with sparse shrub cover consisting of loose, friable, well-drained soil and flat or gently rolling terrain.	**Unlikely:** Not observed but carcass was reported in the project site in 2006 (IEEC, 2019). Project study area contains limited suitable habitat, although highly disturbed and degraded. The nearest record is 1.3 miles southeast of the project study area and is dated 1988 (CDFW, 2022).

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]
Western mastiff bat *Eumops perotis californicus*	SSC	Occurs in arid and semiarid, rocky canyon country habitats; roosts in crevices and shallow caves on the sides of cliffs and rock walls, and occasionally buildings. Roosts usually located high above ground with unobstructed approach.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 2.5 miles southwest of the project study area and is dated 1990 (CDFW, 2022).
Western yellow bat *Lasiurus xanthinus*	SSC	Occurs in riparian woodlands in arid regions; also found in oak or pinyon-juniper woodland and urban/suburban areas. Preferentially roosts in trees, often among the dead fronds of fan palms.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 2.4 miles southwest of the project study area and is dated 1982 (CDFW, 2022).
San Diego black-tailed jackrabbit *Lepus californicus bennettii*	SSC WR-MSHCP	Common at lower elevations in herbaceous and desert shrub areas as well as open, early stages of forest and chaparral habitats.	**Unlikely:** Not observed. Project study area contains limited suitable habitat, although highly disturbed and degraded. The nearest record is 0.1 mile south of the project study area and is dated 2015 (CDFW, 2022).
Southern grasshopper mouse *Onychomys torridus ramona*	SSC	The only carnivorous mouse in North America. Found in conifer deciduous woodlands, coastal scrub, grasslands, chaparral, desert scrub, rocky soils, creosote, and semi-desert.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 1.3 miles southeast of the project study area and is dated 1923 (CDFW, 2022).
Los Angeles pocket mouse *Perognathus longimembris brevinasus*	SSC WR-MSHCP	Occurs in sandy soils within annual grassland, alluvial sage scrub, and coastal sage scrub.	**Does Not Occur:** Not observed. Not expected to occur. Project study area does not contain suitable habitat. The nearest record is 2 miles southeast of the project study area and is dated 1993 (CDFW, 2022).

[a] Key to Status Designations:

Federal Designations:
(FE) Federally Endangered
(FT) Federally Threatened
(FC) Candidate for federal listing

State Designations:
(SE) State Endangered
(ST) State Threatened
(SCT) Candidate; State Endangered
(SCT) Candidate; State Threatened

CDFW Designations:
(SSC) Species of Special Concern
(CFP) Fully Protected Species
(WL) Watch List Species

Other Conservation Organizations:
WR-MSHCP

Table 4. Special-Status Species with Potential to Occur within the Project Study Area

Species	Status[a]	Habitat Requirements	Potential for Occurrence[b]

California Rare Plant Rank (CRPR):
1A = Presumed extirpated in California and either rare or extinct elsewhere
1B.1 = Plants rare, threatened, or endangered in California and elsewhere; seriously threatened in California
1B.2 = Plants rare, threatened, or endangered in California and elsewhere; moderately threatened in California
1B.3 = Plants rare, threatened, or endangered in California and elsewhere; not very threatened in California
2A = Presumed extirpated in California but common elsewhere
2B.1 = Plants rare, threatened, or endangered in California but more common elsewhere; seriously threatened in California
2B.2 = Plants rare, threatened, or endangered in California but more common elsewhere; moderately threatened in California
2B.3 = Plants rare, threatened, or endangered in California but more common elsewhere; not very threatened in California

[b] Definitions Regarding Potential for Occurrence:

Occurs — The species and/or positive sign was observed on-site during site visit.
Likely — All site features indicate this species is very likely present and should be expected. Criteria include:
- Project site within geographic range;
- Suitable habitat present (e.g., soils, vegetation communities, elevation, roost sites, leaf litter/debris, water, host plants, etc.); and
- Distance to historical record(s) less than 25 years old is/are less than 500 feet (plants/fish), 1,000 feet (riparian wildlife), 1 mile (birds/bats), 2 miles (large mammals), or 3 miles (small mammals/herps).

Unlikely — The species could occur given presence of marginal habitat and/or records of the species are not locally known or are greater than 25 years old.
Does Not Occur — The species would not occur because the project site is outside known or current geographic/elevation range, lacks habitat or suitable conditions, and/or there is reasonable certainty to assume absence based on historical records.

Sources:
CCH, 2022; CDFW, 2022; CNPS, 2022; USFWS, 2022a

The WR-MSHCP GIS data portal confirmed that the project study area is not located within a Criteria Cell or any other conserved lands. The project study area, including the entirety of the project site, falls within the BUOW Survey Area but does not fall within a designated survey area for any other WR-MSHCP Covered Species. The project study area also falls within the SKR HCP Fee Assessment Area but is located outside of the Core Reserve of the SKR HCP.

6.2 Site Visit

6.2.1 General Conditions and Species Observed

The project site is located within an industrial and ruderal/farmland area of Southern Riverside County (Photos 1-10; see Attachment 2). Most of the site is disturbed and covered with gravel, concrete, and asphalt with several buildings. Limited exposed soil and non-native grassy areas occur in the northern portion of the project site. The 500-foot buffer is also predominately disturbed and/or developed. Existing structures and ornamental trees both within and surrounding the project site provide nesting habitat for bird species protected under the Migratory Bird Treaty Act (MBTA).

Vegetation

One vegetation community and three land cover types were mapped in the project study area (Figure 4). One land cover type, agriculture, is present only in the 500-foot buffer. The vegetation community, non-native grassland, and the other two land cover types, disturbed/developed and ornamental/landscaped, are located within the project site and will be subject to project impacts. Table 5 lists the vegetation communities and land cover types, associated mapped acreages within the project site and buffer separately, and the anticipated impact acreages. The entire project site, with the exception of the disturbed/developed parcel (APN 331-180-020) at the southern boundary, will be impacted. There are no offsite temporary work or staging areas associated with the project. No impacts will occur offsite or within the 500-foot buffer, except within the developed public right-of-way. Descriptions of the vegetation communities and land cover types follow.

Table 5. Vegetation Communities and Land Cover Types in the Project Study Area

Vegetation Community/Land Cover	Project Site Acres	500-foot Buffer Acres	Total Project Study Area Acres	Anticipated Project Impact Acres
Vegetation Communities				
Non-native grassland	8.56	14.28	22.84	8.56
Land Cover Types				
Agriculture	0.00	27.23	27.23	0.00
Disturbed/developed	34.10	42.51	76.61	31.38
Ornamental/landscaped	7.20	0.94	8.14	7.20
Total	**49.87**	**84.95**	**134.82**	**47.14**

Note:
The project will impact 100% of the project site except APN 331-180-020. No impacts will occur outside the project site boundaries. Acreages may not sum as shown due to rounding.

Non-native Grassland

The only vegetation community present in the project study area is non-native grassland, included in the *Bromus rubens – Schismus (arabicus, barbatus)* Herbaceous Semi-natural Alliance as described in the MCV. This community is dominated by red brome (*Bromus rubens*) and/or schismus grass (*Schismus arabicus, S. barbatus*) with various non-native herbs. This community is not considered high priority for inventory by CDFW and is not considered a sensitive natural community type (CDFW 2020).

Non-native grassland is found near the northern boundary of the project site and throughout the 500-foot buffer, usually adjacent to disturbed/developed land. This community is also found within the stormwater retention basins, which are cleared of any emergent native vegetation during routine maintenance.

Agriculture

The agriculture land cover type refers to areas consisting of annually replanted crops and can be either active or formerly active (i.e., fallow). This land cover type is found only within the 500-foot buffer portion of the project study area.

Disturbed/developed

This land cover type refers to both disturbed unvegetated areas and developed lands. Developed lands include built-up areas covered by structures or urban facilities such as roads, power substations, or parking lots. The majority of the project study area, both the project site itself and the 500-foot buffer, consists of the disturbed/developed land cover.

Ornamental/landscaped

Ornamental/landscaped areas include planted windrows of both native and non-native trees as well as other landscape ornamentals. This land cover type is present along the boundary of the project site and in the northern portion of the 500-foot buffer.

Habitats and Species

Potentially suitable habitat for seven of the 42 special-status species identified in the desktop analysis is present within the project study area (Table 4). Given that the project study area is disturbed with some development, subject to human activity, and located within an urbanized area that lacks native habitats, the potential for these special-status species to occur is low.

No special-status plant or wildlife species identified in the desktop analysis were observed during the site visit. Common species observed can be found in Table 6 (plants) and Table 7 (wildlife).

Table 6. Plant Species Observed During the Project Site Visit

Scientific Name	Common Name
VASCULAR PLANTS	
GYMNOSPERMS	
PINACEAE	**PINE FAMILY**
Pinus sp.	pine
ANGIOSPERMS (DICOTYLEDONS)	
AMARANTHACEAE	**AMARANTH FAMILY**
Amaranthus albus	tumbling pigweed
ASTERACEAE	**SUNFLOWER FAMILY**
Baccharis salicifolia	mule fat
Bebbia juncea	sweetbush
*Cotula coronopifolia**	brass buttons
Encelia farinosa	brittlebush
Erigeron canadensis (= *Conyza c.*)	horseweed

Table 6. Plant Species Observed During the Project Site Visit

Heterotheca grandiflora	telegraph weed
*Lactuca serriola**	prickly lettuce
Psilocarphus brevissimus	woolly marbles
*Sonchus asper**	spiny sowthistle
*Sonchus oleraceus**	common sowthistle
Stephanomeria virgata	virgate wreath-plant
Uropappus lindleyi (= *Microseris l.*)	silver puffs
BORAGINACEAE	**BORAGE FAMILY**
Amsinckia menziesii	Menzies' fiddleneck
BRASSICACEAE	**MUSTARD FAMILY**
*Brassica nigra**	black mustard
*Brassica tournefortii**	Sahara mustard
Lepidium virginicum	Virginia pepperweed
*Sisymbrium orientale**	Oriental hedge mustard
CARYOPHYLLACEAE	**PINK FAMILY**
*Spergularia bocconi**	Boccone's sand spurry
CHENOPODIACEAE	**GOOSEFOOT FAMILY**
*Chenopodium album**	white goosefoot
*Salsola tragus**	tumbleweed
EUPHORBIACEAE	**SPURGE FAMILY**
*Euphorbia maculata**	spotted spurge
FABACEAE	**LEGUME FAMILY**
*Acacia pycnantha**	golden wattle
LAMIACEAE	**MINT FAMILY**
*Marrubium vulgare**	horehound
MAGNOLIACEAE	**MAGNOLIA FAMILY**
*Magnolia grandiflora**	southern magnolia
MALVACEAE	**MALLOW FAMILY**
*Malva parviflora**	cheeseweed
ONAGRACEAE	**EVENING PRIMROSE FAMILY**
Epilobium ciliatum	green willow herb
POLYGONACEAE	**BUCKWHEAT FAMILY**
Eriogonum fasciculatum	California buckwheat
*Polygonum aviculare**	prostrate knotweed
PROTEACEAE	**PROTEA FAMILY**
*Grevillea robusta**	silkoak
ROSACEAE	**ROSE FAMILY**

Table 6. Plant Species Observed During the Project Site Visit

*Rhaphiolepis indica**	Indian hawthorn
Rosa sp.*	rose
SALICACEAE	**WILLOW FAMILY**
Salix sp.**	willow
SOLANACEAE	**NIGHTSHADE FAMILY**
*Nicotiana glauca**	tree tobacco
Solanum americanum	American black nightshade
TAMARICACEAE	**TAMARISK FAMILY**
*Tamarix ramosissima**	saltcedar
VERBENACEAE	**VERBENA FAMILY**
*Lantana camara**	lantana
ANGIOSPERMS (MONOCOTYLEDONS)	
CYPERACEAE	**SEDGE FAMILY**
Carex sp.	sedge
POACEAE	**GRASS FAMILY**
*Bromus diandrus**	ripgut brome
Bromus madritensis ssp. *rubens**	red brome
*Hordeum murinum**	mouse barley
*Phalaris canariensis**	annual canarygrass
*Polypogon monspeliensis**	rabbitsfoot grass

* non-native species

** could not be identified to species level as plant had been severely pruned during basin maintenance

Table 7. Wildlife Species Observed During the Project Site Visit

Scientific Name	Common Name
BIRDS	
ARDEIDAE	**HERONS AND EGRETS**
Ardea alba	great egret
ANATIDAE	**GEESE AND DUCKS**
Anas platyrhynchos	mallard
ACCIPITRIDAE	**RAPTORS**
Buteo jamaicensis	red-tailed hawk
COLUMBIDAE	**PIGEONS AND DOVES**
Zenaida macroura	mourning dove
APODIDAE	**SWIFTS**
Aeronautes saxatalis	white-throated swift

Table 7. Wildlife Species Observed During the Project Site Visit

TYRANNIDAE	**TYRANT FLYCATCHERS**
Sayornis nigricans	Black phoebe
Tyrannus vociferans	Cassin's kingbird
MIMIDAE	**MOCKINGBIRDS AND THRASHERS**
Mimus polyglottis	Northern mockingbird
STURNIDAE	**STARLINGS**
*Sturnus vulgaris**	European starling
FRINGILLIDAE	**FINCHES**
Haemorhous mexicanus	house finch
Spinus psaltria	lesser goldfinch
MAMMALS	
LEPORIDAE	**HARES AND RABBITS**
Sylvilagus audubonii	desert cottontail
SCIURIDAE	**SQUIRRELS**
Otospermophilus beecheyi	California ground squirrel
CANIDAE	**DOGS/WOLVES/FOXES**
Canis latrans	coyote (scat)

* non-native species

6.2.2 Burrowing Owl Habitat Assessment

The project site falls within a BUOW survey area as designated by the WR-MSHCP (Figure 5). As such, a habitat assessment is required as part of the site visit and is to be followed by protocol focused BUOW surveys if habitat is found to be present.

Most of the project site is developed with buildings or concrete or covered in gravel. Limited areas in the northern sections of the site and within the walls of the two retention basins contain open areas where ground squirrels can dig burrows, providing habitat for BUOW (Photo 11; see Attachment 2) (Figure 5). The 500-foot buffer around the project site was also searched and most of the area surrounding the project site contains suitable habitat in the form of ground squirrel burrows in areas that are not fully developed.

No BUOW or sign of the species was observed during the general habitat assessment. Given the disturbed condition of the habitat present in the project site, there is only a low potential for this species to occur (i.e., unlikely).

6.2.3 Riparian/Riverine Habitat and Vernal Pools Mapping

No riparian/riverine habitat or vernal pools were present within the project site or in the 500-foot buffer.

Based on a review of aerial imagery, the stormwater retention basins may have previously contained riparian habitat suitable for least Bell's vireo, southwestern willow flycatcher, and western yellow-billed

cuckoo (collectively riparian birds). However, these basins are routinely cleared as part of maintenance activities and it was confirmed during the site visit that no riparian habitat is present. Riparian birds are not expected to occur in or adjacent to the project site.

No potential vernal pools were identified during a review of aerial imagery and soil maps (see Section 4.3). Th site visit confirmed that no vernal pools as defined in Section 6.1.2 of the WR-MSHCP were present. However, areas within a small storage yard in the northern portion of the project site and within a dirt access road that runs along the fence line of the same yard contained depressions that showed signs of holding water following rain events and could potentially support fairy shrimp (Photo 12; see Attachment 2) (Figure 5).

No fairy shrimp were directly observed during the site visit and mapping effort. Given the disturbed condition of the habitat present in the project site and the distance of the nearest CNDDB records (over 4 miles away), Riverside fairy shrimp and vernal pool fairy shrimp are unlikely to occur.

6.2.4 Stephen's Kangaroo Rat Habitat Assessment

The project site falls within the SKR HCP area. However, the project site is not located in a Core Reserve and does not require SKR surveys. A deceased SKR was observed on site in 2006 (IEEC, 2019), indicating some potential for the species to occur. A habitat assessment was thus conducted as part of the site visit. Areas within the northeastern and northwestern corners of the project site contain soils that could potentially be utilized as burrowing locations for SKR (Photo 13; see Attachment 2) (Figure 5).

No SKR or sign of the species was observed. The closest recorded CNDDB occurrence was located 1.3 miles away in 1998. Given the marginal habitat available as well as the distance and age of the CNDDB record, there is only a low potential for SKR to occur.

6.2.5 Jurisdictional Features

Within the project site, two vegetated earthen-bottom retention basins (SW Basin, SE Basin) are located in the southeast and southwest corners that are built to catch and percolate surface water back into the ground from the project site (Photos 3 and 4; see Attachment 2) (Figure 6). Both basins are cleared of vegetation during routine maintenance efforts. Outside the project site fenceline, but within the 500-foot study area buffer, a concrete stormwater channel (Drainage 2) runs along the south boundary in an east-west direction; the project site currently has no connection to this drainage (Photo 8; see Attachment 2) (Figure 6). An earthen channel (Drainage 1) is located north of the concrete batch plant within the 500-foot buffer (outside the project site) that also runs in an east-west direction (Figure 6). The NWI-mapped freshwater emergent wetland and freshwater pond located along the northern and southern boundaries of the project study area, respectively (Figure 6), have been severely degraded and can no longer be considered features.

7. Conclusions

No special-status plant or wildlife species were observed during the site visit. No sensitive habitats, including riverine/riparian habitat and vernal pools, are present in the project site or surrounding 500-foot buffer. No special-status plants are expected to occur due to lack of suitable habitat. Marginally suitable habitat was identified for seven special-status wildlife species. However, given the disturbed condition of

the site and in some cases the distance and/or age of the CNDDB records, these species have only a low potential to occur.

The project site is located within both the WR-MSHCP area and the SKR HCP area. Furthermore, it falls within a designated BUOW survey area under the WR-MSHCP. The site visit confirmed that marginally suitable habitat is present for vernal pool fairy shrimp, Riverside fairy shrimp, and BUOW, which are covered under the WR-MSHCP, and for SKR, which is covered by both the WR-MSHCP and the SKR HCP.

The retention basins within the project site were constructed to allow surface water from the project site to evaporate and percolate back into the ground and currently have no connection to any outside water feature. The project drainage plan, drainage report, and Water Quality Management Plan for the planned development will provide Low Impact Development features for the existing basins incorporating water quality control features, which may include a forebay, underdrain, and bioretention to meet current design standards for the future outfall connection to the concrete storm channel south of the site. The earthen channel, Drainage 1, located north of the concrete batch plant within the 500-foot buffer (but outside of the project site) will not be impacted by project activities.

7.1 Summary of Compliance with MSHCP Policies

As stated in Section 1 and confirmed during the WR-MSHCP GIS data portal query, the project site is not located within an MSHCP Criteria Area, Cell Group, or Linkage Area. No Habitat Evaluation and Acquisition Negotiation Strategy (HANS) or Joint Project Review (JPR) are required. Furthermore, no onsite conservation is required or proposed.

The following outlines summarizes consistency with WR-MSHCP conservation goals for regulated resources:

Narrow Endemic Plant Species

The project site does not occur within a designated survey area for narrow endemic plant species (RCA, 2022). No additional surveys are required and the project is consistent with WR-MSHCP Section 6.1.3.

Criteria Area Plant Species

The project site does not occur within a designated survey area for criteria area plant species (RCA, 2022). No additional surveys are required and the project is consistent with WR-MSHCP Section 6.3.2.

Amphibians

The project site does not occur within a designated survey area for amphibians (RCA, 2022). No additional surveys are required and the project is consistent with WR-MSHCP Section 6.3.2.

Burrowing Owl

The project site falls within a WR-MSHCP BUOW Survey Area. The habitat assessment conducted as part of the site visit identified ground squirrel burrows that could serve as BUOW habitat; however, NO BUOW or sign of the species was observed. Given the disturbed condition of the site, BUOW have only a low

potential of occurring. Furthermore, the site does not provide long-term conservation value for the species.

A 30-day pre-construction survey for BUOW is required prior to initial ground-disturbing activities (e.g., vegetation clearing, grubbing, site watering) to ensure that no individuals have colonized the site in the days or weeks preceding the ground-disturbing activities. If BUOWs have colonized the project site prior to the initiation of ground-disturbing activities, the project proponent will immediately inform the CDFW and USWFS (collectively the Wildlife Agencies) and the RCA, and will need to coordinate further with the Wildlife Agencies and RCA, including the possibility of preparing a Burrowing Owl Protection and Relocation Plan (BUOW Plan), prior to initiating ground disturbance. If ground-disturbing activities occur but the site is left undisturbed for more than 30 days, a pre-construction survey will again be necessary to ensure BUOWs have not colonized the site since it was last disturbed. If BUOW is found, the same coordination described above will be necessary.

Following submittal, review and approval of the 30-day BUOW preconstruction survey report and, if the species is detected within or adjacent to the project site, a BUOW Plan (if warranted) by the City of Menifee, RCA, and Wildlife Agencies, as well as compliance with all WR-MSHCP species-specific conservation goals, the project will be consistent with MSHCP Section 6.3.2.

Mammals

The project site does not occur within a designated survey area for mammals (RCA, 2022). No additional surveys are required and the project is consistent with WR-MSHCP Section 6.3.2.

Stephen's Kangaroo Rat

The project site falls within the SKR HCP Fee Assessment Area as outlined in the Riverside County SKR HCP. The project applicant shall pay the fees pursuant to County Ordinance 663.10 as established and implemented by the County of Riverside. Focused surveys are not required as the project site is located outside of the Core Reserve of the SKR HCP.

Riparian, Riverine, and Vernal Pool Resources

Although the project site is not located within a WR-MSHCP Criteria Cell, it is subject to the WR-MSHCP Riparian/Riverine, Vernal Pool and Fairy Shrimp policies (WR-MSHCP Section 6.1.2). No riparian habitat is present and no associated resources (e.g., riparian birds) will be impacted. While marginal fairy shrimp habitat is present as depressions in an access road, Riverside fairy shrimp or vernal pool fairy shrimp are unlikely to occur. Furthermore, the depressions do not provide long-term conservation value for these sensitive species. No vernal pools as defined in the WR-MSHCP are located in the project site. No additional focused surveys are required and the project is consistent with WR-MSHCP Section 6.1.2.

Urban/Wildlife Interface Guidelines

The Urban/Wildlands Interface guidelines presented in Section 6.1.4 of the WR-MSHCP are intended to address indirect effects associated with locating commercial, mixed uses and residential developments in proximity to a WR-MSHCP Conservation Area. The project site is not located adjacent to an existing or

proposed WR-MSHCP Conservation Area. No mitigation proposed or required and the project is consistent with WR-MSHCP Section 6.1.4.

Fuels Management Guidelines

The fuels management guidelines presented in Section 6.4 of the WR-MSHCP are intended to address brush management activities around new development within or adjacent to WR-MSHCP Conservation Areas. The project site is not located adjacent to an existing or proposed WR-MSHCP Conservation Area. No mitigation proposed or required and the project is consistent with WR-MSHCP Section 6.4.

8. References

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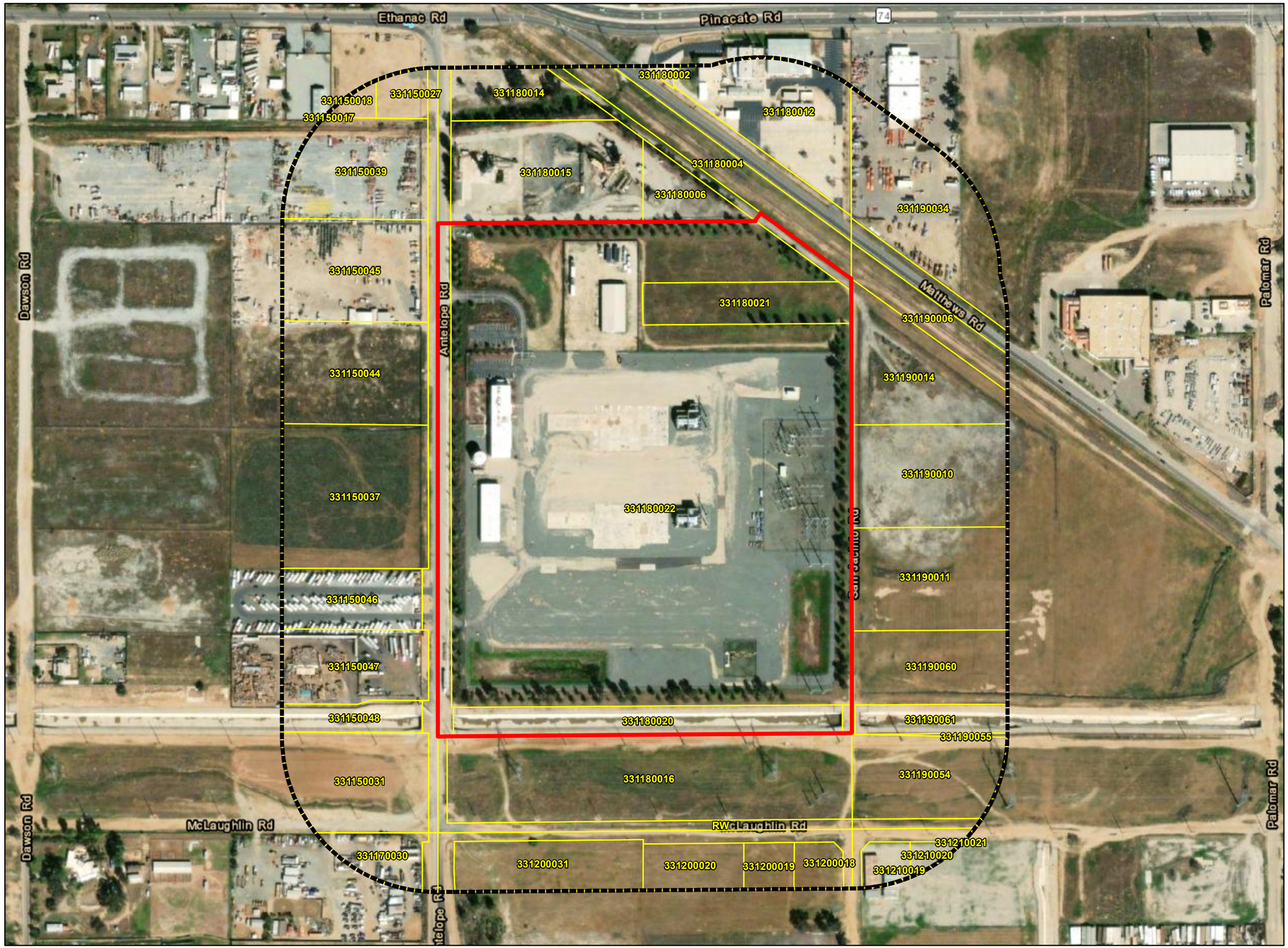
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Figures



Legend

- Project Site
- Parcel Boundary
- 500-ft Buffer



Sources:
ESRI World Topo Map; ESRI World Street Map

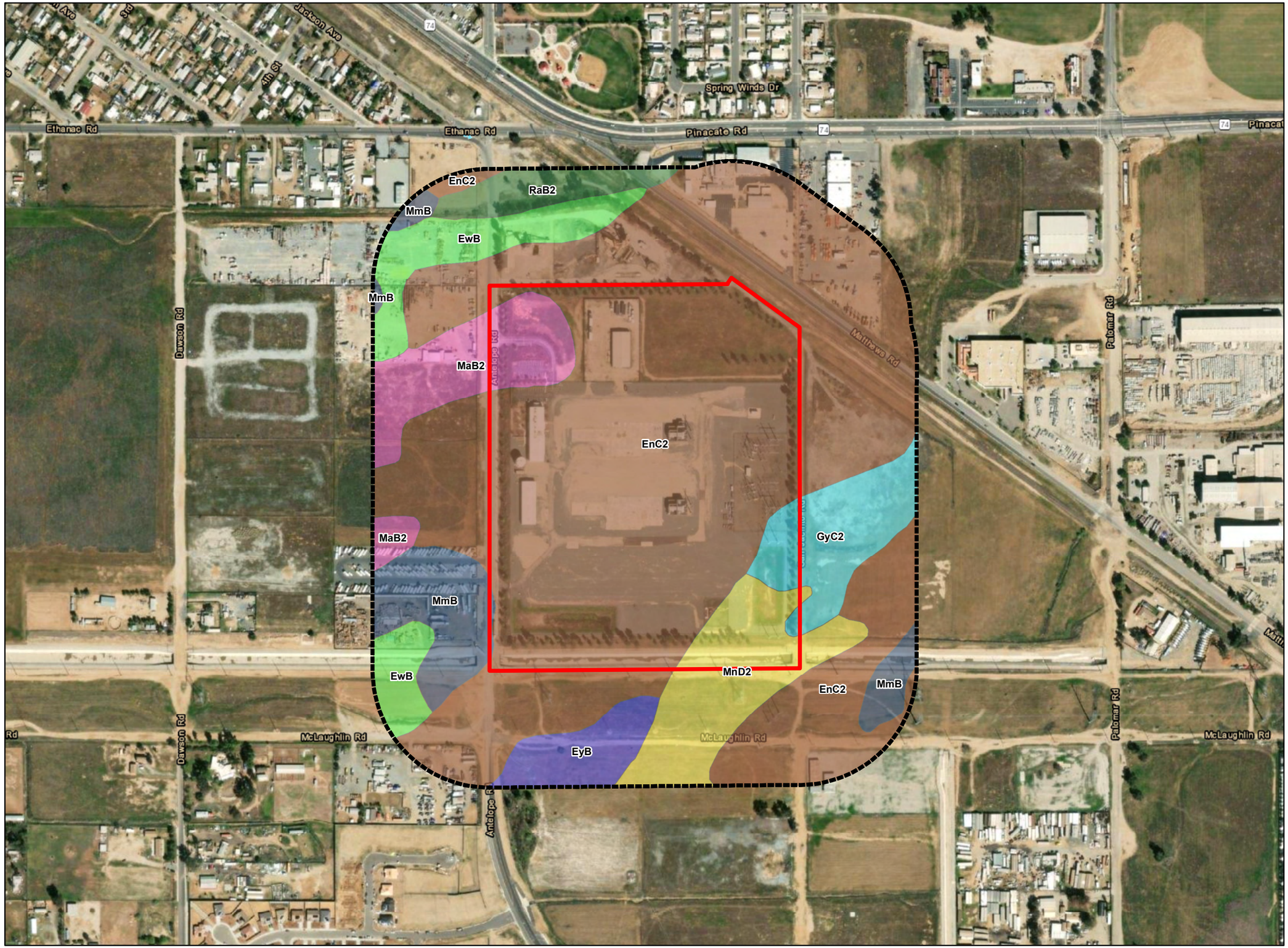
0 150 300 600
Feet
1 inch = 300 feet

Figure 1

Project Overview

Calpine Nova Project

Jacobs



Legend

- Project Site
- 500-ft Buffer

USDA NRCS Soils

- EnC2 - Exeter sandy loam, 2 to 8 percent slopes, eroded
- EwB - Exeter very fine sandy loam, 0 to 5 percent slopes
- EyB - Exeter very fine sandy loam, deep, 0 to 5 percent slopes
- GyC2 - Greenfield sandy loam, 2 to 8 percent slopes, eroded
- MaB2 - Madera fine sandy loam, 2 to 5 percent slopes, eroded
- MmB - Monserate sandy loam, 0 to 5 percent slopes
- MnD2 - Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded
- RaB2 - Ramona sandy loam, 2 to 5 percent slopes, eroded



Sources:
ESRI World Topo Map; ESRI World Street Map; Riverside County, 2022; USGS NHD, 2022; USFWS, 2022

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Feet

1 inch = 400 feet

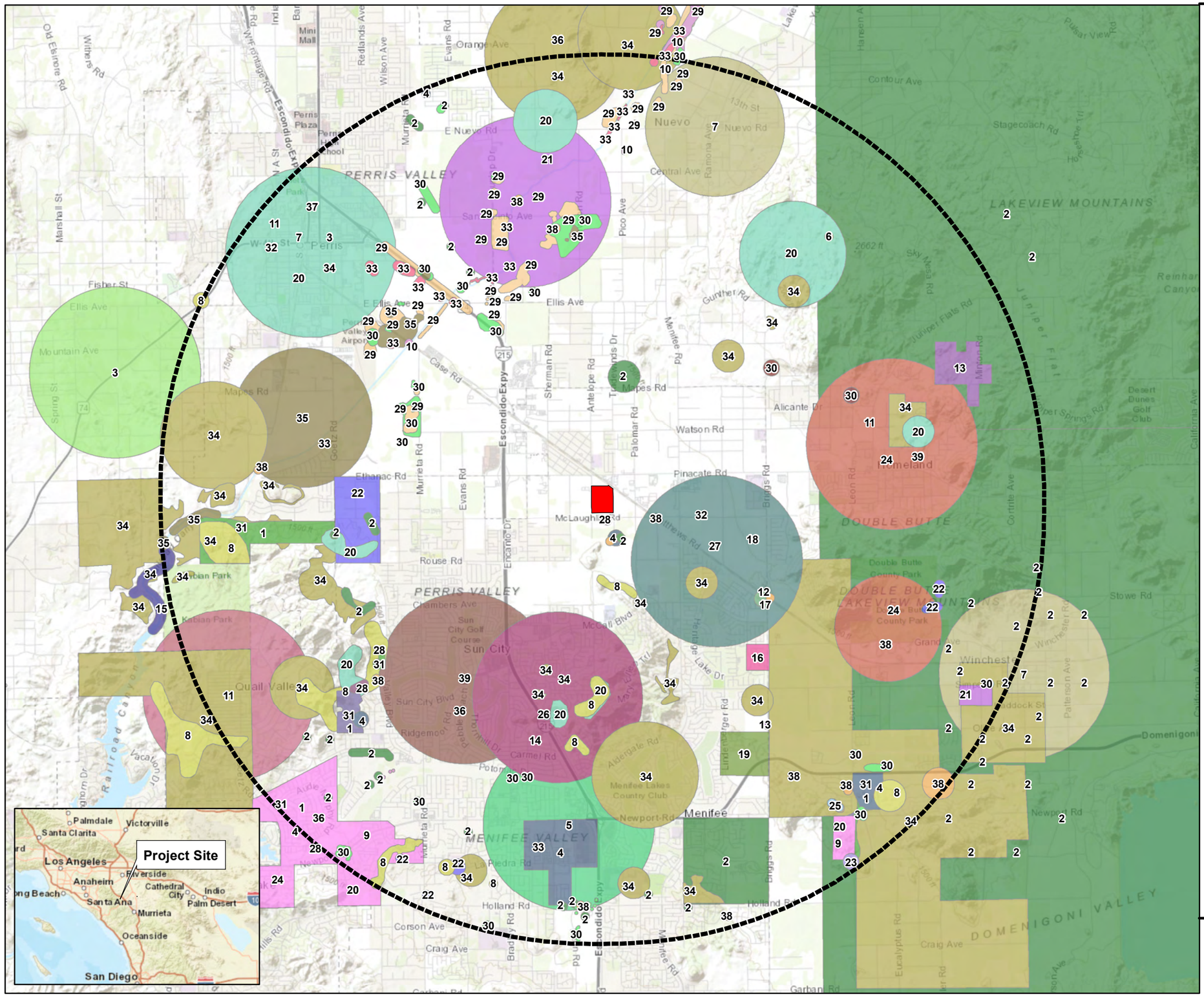
Figure 2

NRCS Soils Types

Calpine Nova Project

Jacobs

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Legend

- Project Site
- 5-Mile Radius

CNDDB Listed Species

- 1 - Bell's sage sparrow
- 2 - burrowing owl
- 3 - California glossy snake
- 4 - California horned lark
- 5 - California Orcutt grass
- 6 - California screw moss
- 7 - coast horned lizard
- 8 - coastal California gnatcatcher
- 9 - coastal whiptail
- 10 - Coulter's goldfields
- 11 - Crotch bumble bee
- 12 - Dulzura pocket mouse
- 13 - ferruginous hawk
- 14 - golden eagle
- 15 - least Bell's vireo
- 16 - loggerhead shrike
- 17 - Los Angeles pocket mouse
- 18 - Munz's onion
- 19 - northwestern San Diego pocket mouse
- 20 - orange-throa... whiptail
- 21 - Parish's brittlescale
- 22 - Parry's spineflower
- 23 - quino checkerspot butterfly
- 24 - red-diamond rattlesnake
- 25 - Riverside fairy shrimp
- 26 - Robinson's pepper-grass
- 27 - San Bernardino kangaroo rat
- 28 - San Diego black-tailed jackrabbit
- 29 - San Jacinto Valley crownscale
- 30 - smooth tarplant
- 30 - Southern California legless lizard
- 31 - southern California rufous-crowned sparrow
- 32 - southern grasshopper mouse
- 33 - spreading navarretia
- 34 - Stephens' kangaroo rat
- 35 - thread-leaved brodiaea
- 36 - western mastiff bat
- 37 - western pond turtle
- 38 - western spadefoot
- 39 - western yellow bat

N

0 0.5 1 2
Miles

1 inch = 1 miles

FIGURE 3

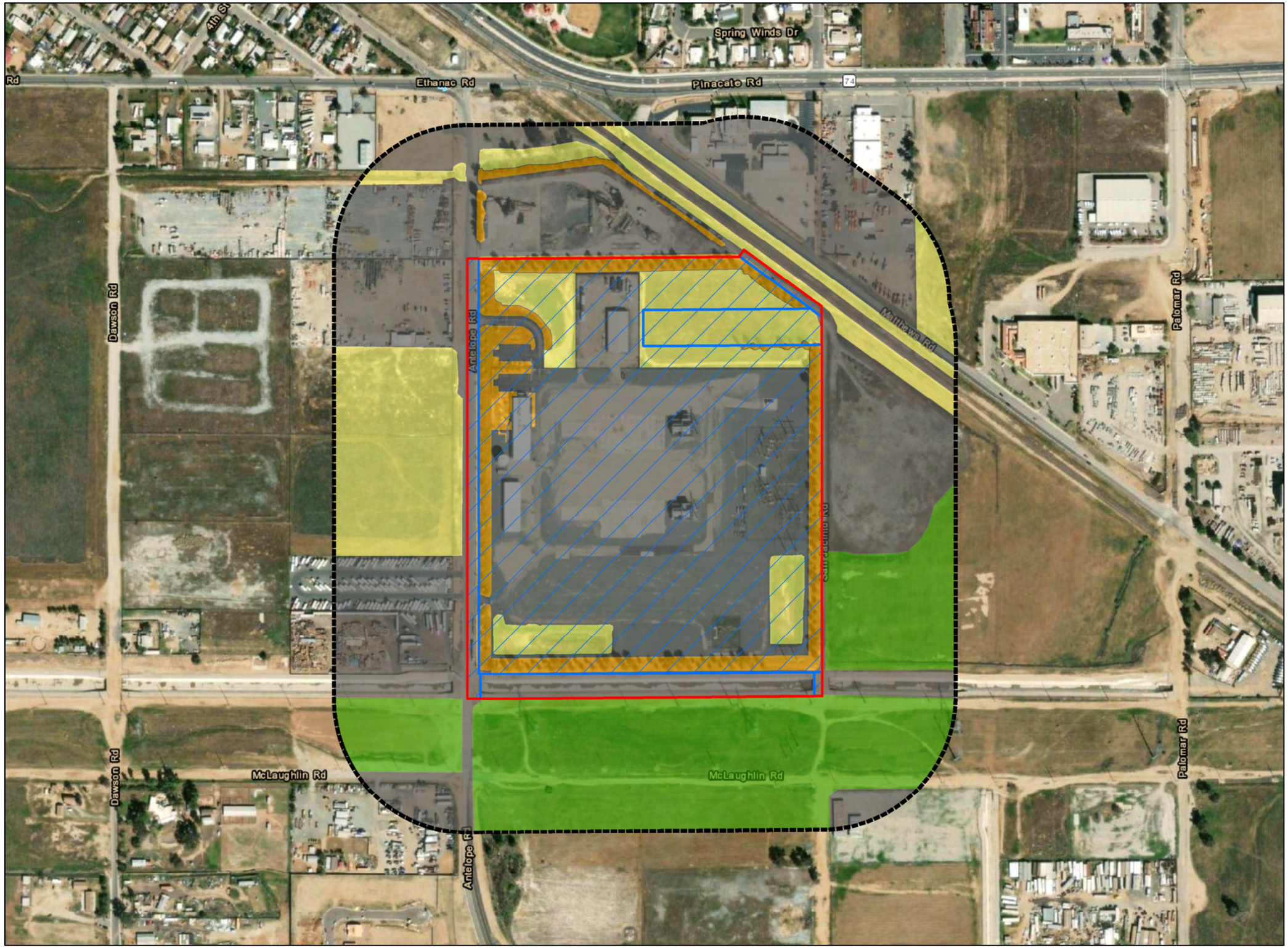
CNDDB Occurences

Calpine Nova Project

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Sources: ESRI World Topo Map; ESRI World Street Map; CDFW CNDDB, 2022

Jacobs



Legend

- Project Site
- 500-ft Buffer
- Project Impacts
- Agriculture
- Developed/Disturbed
- Non-native Grassland
- Ornamental/Landscaped



Sources:
ESRI World Topo Map; ESRI World Street Map

0 150 300 600
Feet

1 inch = 350 feet

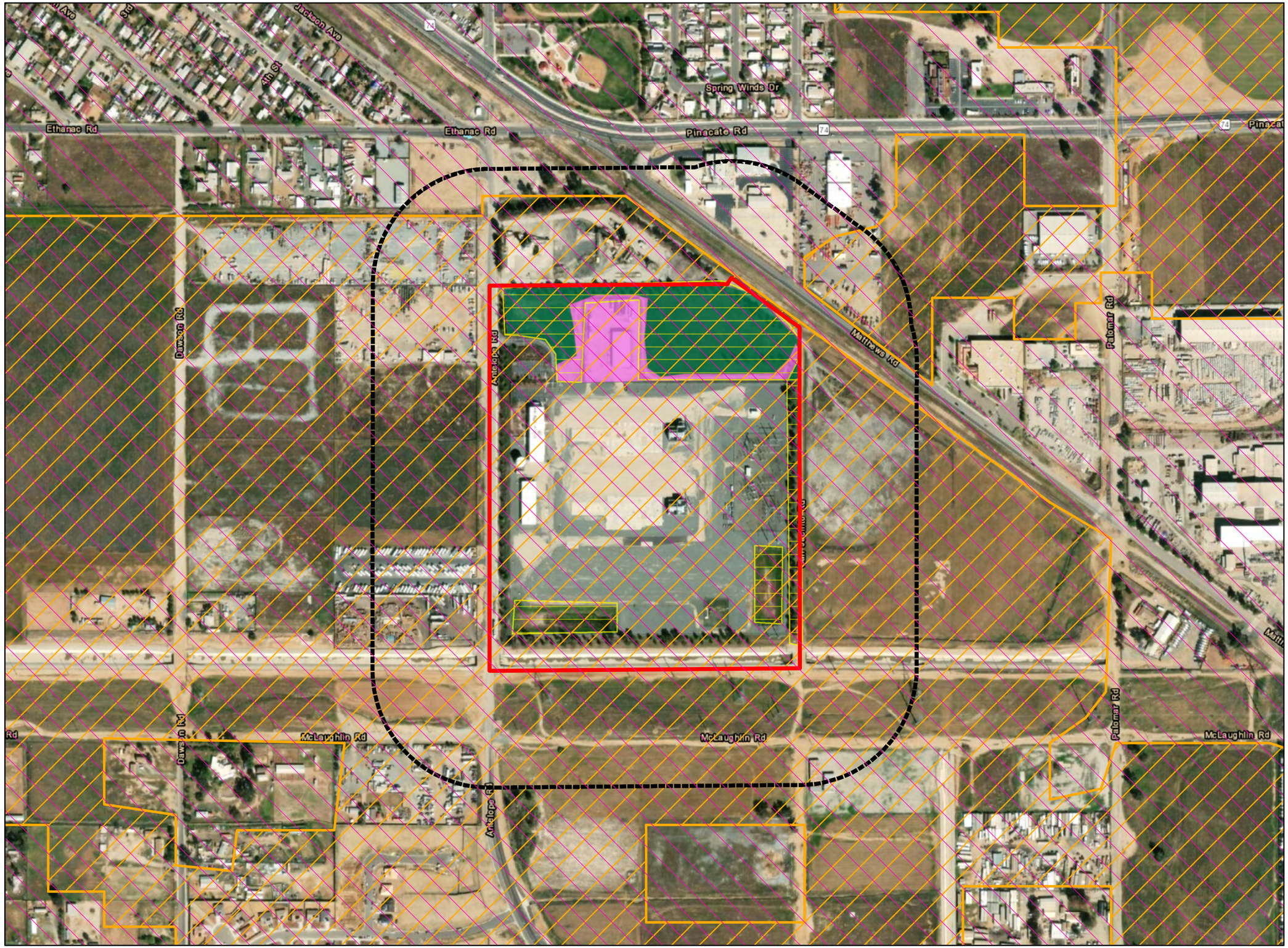
Figure 4

Vegetation

Calpine Nova Project

Jacobs

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Legend

- Project Site
- 500-ft Buffer
- WR-MSHCP Burrowing Owl Survey
- SKR HCP Habitat

Potential Habitats

- Potential Burrowing Owl Habitat
- Potential Fairy Shrimp Habitat
- Potential Stephen's Kangaroo Rat Habitat



Sources:
ESRI World Topo Map; ESRI World Street Map; Riverside County, 2022; USGS NHD, 2022; USFWS, 2022

0 150 300 600
Feet

1 inch = 400 feet

Figure 5

Assessment Results - Habitats

Calpine Nova Project

Jacobs

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Legend

- Project Site
- 500-ft Buffer
- Water Features
- USGS NHD Flowline

USFWS NWI

- Freshwater Emergent Wetland
- Freshwater Pond



Sources:
ESRI World Topo Map; ESRI World Street Map; Riverside County, 2022; USGS NHD, 2022; USFWS, 2022

0 150 300 600
Feet

1 inch = 400 feet

Figure 6

Assessment Results - Water Features

Calpine Nova Project

Jacobs

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Attachment 1

USFWS IPaC Report

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
Phone: (760) 431-9440 Fax: (760) 431-5901
http://www.fws.gov/carlsbad/

In Reply Refer To:
Project Code: 2022-0036720
Project Name: Calpine Nova Power Bank

April 27, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A biological assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a biological assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a biological assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found at the Fish and Wildlife Service's Endangered Species Consultation website at:

https://www.fws.gov/endangered/what-we-do/faq.html

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
(760) 431-9440

Project Summary

Project Code: 2022-0036720
Event Code: None
Project Name: Calpine Nova Power Bank
Project Type: Power Gen - Solar
Project Description: 680 megawatts (MW) nominal battery energy storage project to support southern California electrical grid operations, planned to occupy a former natural gas-fired power plant, Inland Empire Energy Center (IEEC), located in the City of Menifee

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@33.73868725,-117.16947986709206,14z



Counties: Riverside County, California

Endangered Species Act Species

There is a total of 15 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
San Bernardino Merriam's Kangaroo Rat *Dipodomys merriami parvus* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2060	Endangered
Stephens' Kangaroo Rat *Dipodomys stephensi (incl. D. cascus)* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3495	Threatened

Birds

NAME	STATUS
Coastal California Gnatcatcher *Polioptila californica californica* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8178	Threatened
Least Bell's Vireo *Vireo bellii pusillus* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/5945	Endangered
Southwestern Willow Flycatcher *Empidonax traillii extimus* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered

Insects

NAME	STATUS
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate
Quino Checkerspot Butterfly *Euphydryas editha quino (=E. e. wrighti)* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/5900	Endangered

Crustaceans

NAME	STATUS
Riverside Fairy Shrimp *Streptocephalus woottoni* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8148	Endangered
Vernal Pool Fairy Shrimp *Branchinecta lynchi* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened

Flowering Plants

NAME	STATUS
California Orcutt Grass *Orcuttia californica* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4923	Endangered
Munz's Onion *Allium munzii* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2951	Endangered
San Diego Ambrosia *Ambrosia pumila* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8287	Endangered
San Jacinto Valley Crownscale *Atriplex coronata var. notatior* There is **final** critical habitat for this species. However, no *actual* acres or miles were designated due to exemptions or exclusions. See Federal Register publication for details. Species profile: https://ecos.fws.gov/ecp/species/4353	Endangered
Spreading Navarretia *Navarretia fossalis* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/1334	Threatened
Thread-leaved Brodiaea *Brodiaea filifolia* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/6087	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

IPaC User Contact Information

Agency: Jacobs
Name: Cara Snellen
Address: 2600 Michelson Dr #500
City: Irvine
State: CA
Zip: 92612
Email clsnellen@gmail.com
Phone: 5628100511

Attachment 2

Site Photographs



Photo 1. Overview of central portion of project site that includes several buildings and both asphalt and gravel surfaces, facing north.



Photo 2. Fenced switchyard located along the eastern boundary of the project site surrounded by gravel and sparse ruderal vegetation, facing southeast.



Photo 3. Gravel surface and retention basin located in the southeast corner of the project site, facing south.



Photo 4. Gravel surface with ruderal vegetation in southern portion of the project site with southwest retention basin in the background, facing southwest.



Photo 5. Dirt road and ruderal vegetation along west fence of storage yard in northern portion of the project site, facing south.



Photo 6. Dirt road, landscape tree line, and non-native grass field east of the storage yard in the northern portion of the project site, facing southeast.



Photo 7. Overview of landscaping along the western boundary of the project site (Antelope Road), facing northeast.



Photo 8. Concrete storm channel that runs east-west outside the southern boundary of the project site, facing west.



Photo 9. Recently disked field adjacent to the southeast corner of the project site within the 500-foot study area buffer, facing southeast.



Photo 10. Empty gravel lot directly north of the concrete batch plant at northern boundary of the 500-foot project study area buffer, facing north.



Photo 11. Potentially suitable burrowing owl habitat with California ground squirrel burrows within the retention basin located in the southeast corner of the project site, facing east.



Photo 12. Depression within the fenced storage yard in the northern portion of the project site that provides potentially suitable habitat for fairy shrimp, facing southeast.



Photo 13. Non-native grass field that provides potentially suitable Stephen's kangaroo rat habitat in the northeast portion of the project site, facing east.

APPENDIX C – CULTURAL RESOURCES ASSESSMENT

Jacobs

Memorandum

402 Broadway, Suite 1450
San Diego, CA 92101
United States
T +1.619.687.0110
www.jacobs.com

Subject	**Cultural Resources Assessment**
Project Name	Nova Power Bank Project
Attention	Mitchell Weinberg (Nova Power, LLC) Emily Precht (Nova Power, LLC) Frank Escobedo (Nova Power, LLC)
From	Megan Harding, MS (Jacobs) Jeremy Hollins, MA (Jacobs)
Date	October 21, 2022
Copies to	Lisa Amador (Jacobs) Joe Aguirre (Jacobs

1. Introduction

Jacobs Engineering Group, Inc. (Jacobs) prepared this cultural resource assessment for the Calpine Nova Power Bank Project (Project). The Project is located at 26226 Antelope Road in the City of Menifee, Riverside County, California (Figure 1). This assessment was completed as an initial site assessment to inform future California Environmental Quality Act (CEQA) documentation, in accordance with Section 15064.5(a)(2)-(3) of the CEQA Guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code. The City of Menifee will be the lead agency for CEQA.

The Project will consist of the installation of a new Battery Energy Storage System (BESS). The Project will use lithium-ion, flow battery, or other battery technologies to store electrical energy from the grid to be discharged when customer demand is high. Construction of the Project will include the installation of transformers, inverters, and battery units supported on mat foundations. The Project is located within the former boundaries of the Inland Empire Energy Center (IEEC), which was a natural gas-fired power plant. Prior to its decommissioning, the IEEC constructed numerous above ground tanks, turbines, cooling towers, vents and other ancillary equipment and buildings. Decommissioning resulted in the majority of the structures and equipment being demolished or removed from the property. However, portions of the IEEC were left in place and will be reutilized for the Project.

Jacobs completed this assessment to identify potential cultural resources constraints and impacts that may occur from the Project. This assessment included the development of a historic context, a record search for previously recorded cultural resources and previously conducted cultural resources investigations, a desktop review of the Project area and environs, and a review of historic imagery and soil and geological data to assess the potential for buried materials. As a result of this assessment, Jacobs has concluded the development activities from the Project have a **low likelihood** to impact cultural resources.

2. Project Information

The Project will be constructed on the same property as the former IEEC, which is located at 26226 Antelope Road, Menifee, CA 92585. The Project site consists of 49.87 acres, encompassing three Assessor's Parcel Numbers (APN) 331-180-020, 331-180-021, and 331-180-022 (see Figure 1 and Figure 2). The project will interconnect with the southern California electrical grid at Southern California Edison's Valley Substation using the facilities already in place at the decommissioned IEEC. No additional transmission facilities will be needed. The Project will repurpose the former IEEC's operations buildings as well as many of the existing interconnections for water, sewer, and retail electricity service.

The entire project site, with the exception of the 2.73-acre disturbed/developed parcel (APN 331-180-020) at the southern boundary, will be impacted. There are no offsite temporary work or staging areas associated with the project. The Project area includes all areas that may be affected by ground-disturbing activities, and includes any areas used for construction, staging, and/or access. A geotechnical engineering report prepared in May of 2021 revealed that approximately 4 to 14-feet of fill covers the site (Terracon 2021). Ground disturbance for the Project is expected to not exceed 18 feet for trenching and may reach depths of 40-feet for H-frame drilling installations. The Project's vertical elements will not exceed approximately 85-feet above the existing ground surface.

3. Historic Context

3.1 Prehistoric Context

It is generally accepted that the earliest occupation of Riverside County dates to approximately 11,000 to 8,000 years ago during the Early Holocene Epoch (Padon 2010). Thus far, the San Dieguito Complex are the earliest identified culture group within this region. San Dieguito material culture is characterized by the types of chipped stone tools recovered from archaeological sites. These often include scrapers, hammerstones, drills, choppers, cores and projectile points. Several archaeological sites attributed to the San Dieguito Complex have been identified in the vicinity of Menifee. Notably, all these San Dieguito sites were discovered along ancient lake terraces and showed deep, intact deposits (Padon 2010).

From 8,000 to 3,500 years ago, changes in climate prompted a palpable shift in the subsistence patterns for people living in this region. The lithic toolset for sites during this period is characterized with large, bifacial projectile points, grinding stones, handstones and metates. The Pauma, or Sayles, culture are associated with the shifting technologies of this period and are often discovered in the western portion of Riverside County (Kowta 1969; Padon 2010; True 1980).

By 3,500 to 1,500 years ago, technologies associated with hunting and agriculture continue to evolve in this region. Archaeological assemblages from this period exhibit the introduction of the mortar and pestle, and smaller projectile points become common. Additionally, by 1,500 years ago, the archaeological record witnesses cultural exchange between different groups as they move into the region. The practice of cremation, pottery production, and rock paintings signal the presence for Shoshonean culture (Padon 2010). These sites represent the archaeological manifestations of eventual historic groups like the Luiseño just prior to Europeans arriving.

3.2 Historic Context

As the Spanish began to expand their empire across California, expeditions along the coast included visits to Riverside County. By 1798, the Mission San Luis Rey de Francia (San Luis Rey Mission) was established within the historic territory of the Luiseño (in the modern-day city of Oceanside). The Luiseño eventually came to work and/or live at the San Luis Rey Mission or the Mission's associated system of "asistencias", their outlying ranches and farms (Padon 2010).

The Spanish mission system enabled authorities to quickly claim large expanses of land once belonging to the Native people. After 1821, Mexican governors continued to augment the division of land by

bestowing large grants of the best grazing and farming lands to favored soldiers, citizens, and to a few Native Americans (Padon 2010). While several land grants were established in Riverside County, no tracts were assigned to specific individuals within the Menifee area (Padon 2010).

However, the discovery of gold prompted hopeful prospectors to spread through California and into Menifee valley. In 1880, Luther Menifee Wilson discovered gold about eight miles south of the city of Perris (Keller 2007; Padon 2010). His discovery proved to be the catalyst for a boom in the mining industry and a corresponding boom in population for the area. However, while the desire to strike it rich lured many to California, numerous residents quickly found that other industries were more prudent enterprises like farming or ranching.

In southern California, previous land grants had laid claim to the best land for farming and forced settlers to invest substantially in reclamation and irrigation. Unlike the small family farms of the Midwest, many farms in Riverside County were large commercial enterprises that employed many workers (LOC 1997; Padon 2010).

As railroads were constructed across the region, new towns sprung up along the major rail lines and allowed communities like Menifee to bring their goods to larger markets. Having access to the rest of the state encouraged communities to settle within Menifee Valley and stimulated the growth of rural towns. However, the abandonment of several important rail line connections and the absence of sustainable irrigation suppressed towns like Menifee (Padon 2010).

Development projects in the 1950s sparked a surge of construction across the region. The real estate developer, Delbert Webb, took an active interest in Menifee Valley. His construction company built restaurants, hotels, homes and the city hall (Padon 2010). The developer's attention did not prompt the anticipated growth, but the region gradually initially cemented a reputation as an attractive residence for retirees (City of Menifee 2020; County of Riverside 2022).

3.3 Inland Empire Energy Center

The IEEC is a decommissioned natural gas-fired, combined-cycle generating facility, and was owned and operated by Inland Empire Energy Center, LLC, a subsidiary of the General Electric Company. The property consists of approximately 24 fenced acres surrounding the power generation facility, a switchyard, a water treatment facility, storage tank areas, a parking area, a control room building, and two storm water retention basins. The facility, which was certified by the California Energy Commission on December 17, 2003, ceased operations in December 2019. Immediately south of the former IEEC property is flood control channel built between 2014 and 2016.

4. Records Search

To determine if previously identified or known cultural resources exist within the Project area, a review of records search information, past cultural resources survey and report data was conducted. Information was collected from the Eastern Information Center of the California Historical Resources Information System (CHRIS), located at California State University, Riverside. Additionally, a review was completed to identify cultural resources listed in/as the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR), California Historical Landmarks, and California Points of Historical Interest, or listed in a local register of significant resources.

The records search was completed in May 2022, and included the Project area and a 0.5-mile-radius search area. As a result of this review, no previously recorded cultural resources are known to exist within the Project area.

4.1 Records Search Results

The records search identified 20 previously conducted cultural resources investigations within the 0.5-mile radius search area. The investigations were completed between 1974 and 2018 and were completed primarily as part of transmission line improvement projects. Three of the 20 previous investigations

overlap with the Project area; one of which (RI-02475) completely overlapped with the entirety of the Project. A summary of the investigations are included in Table 4-1.

Table 4-1. Records Search Results for Previously Conducted Cultural Resources Investigations within the 0.5-Mile-Radius Search Area

Authors and Date	Report Title	Report Number
McCarthy, Daniel F., 1983	Archaeological Assessment of the Proposed Homeland-Green Acres Pollution Project No. C-06-2886, Eastern Municipal Water District, Riverside County, California	RI-01660
Drover, Christopher E., 1989	A Cultural Resource Inventory of the Menifee North Project, Near Hemet, California	RI-02475
Bouscaren, Stephen and Daniel McCarthy, 1984	An Archaeological Assessment of the Proposed Devers-Valley 500 KV Transmission Line and Corridor and the Proposed Valley-Auld-Skylark 115 KV T/L Corridor, Riverside County, California	RI-01837
Smith, Gerald, 1974	Archaeological Assessment - 83 Acre Site Near Romoland	RI-01958
Drover, Christopher E., 1990	A Cultural Resource Inventory: An Addendum to the Menifee North Project near Hemet, California.	RI-02476
Tang, Bai, Michael Hogan, Mariam Dahdul, and Daniel Ballester, 2003	Historical/Archaeological Resources Survey Report: Menifee Valley North Drainage Facilities Project, In and Near the Communities of Romoland and Homeland, Riverside County, California	RI-06018
Eckhardt, William T., Matthew M. DeCarlo, Doug Mengers, Sherri Andrews, Don Laylander, and Tony Quach, 2015	Archaeological Investigations and Monitoring for the Construction of the Devers-Palo Verde No. 2 Transmission Line Project, Riverside County, California	RI-10461
Fulton, Phil, 2006	Cultural Resources Assessment, Romoland Phase I, In the Community of Romoland, Riverside County, California	RI-06794
Marken, Mitch W., Marcy H. Rockman, Kyle H. Garcia, and J.D. Stewart, 2006	Phase I Cultural and Paleontological Assessment of the Motte Menifee North Project, County of Riverside, California	RI-06795
Lerch, Michael K. and Marlesa A. Gray, 2006	Cultural Resources Assessment of the Valley-Ivyglen Transmission Line Project, Riverside County, California	RI-06888
Hogan, Michael and Bai "Tom" Tang, 2007	Archaeological Mitigation Report Site 33-011466 (CA-RIV-6844/H) Tract No. 29777, near the Community of Romoland, Riverside County, California	RI-07509
Smith, Brian F. and Johnna L. Buysse, 2002	An Archaeological/Historical Study for Tract No. 29835 Menifee West GPA Project, Perris Valley, County of Riverside	RI-07628
Clowery-Moreno, Sara and Brian F. Smith, 2008	A Phase I Archaeological Assessment for the Retaining Walls Project, Riverside County, California APNs 331-210-019, -020, and -021; CUP 03560	RI-07966
Keller, Jean A., 2010	A Phase I Cultural Resources Assessment of Specific Plan Amendment 2010-090	RI-08646
Bonner, Wayne H. and Sarah A. Williams, 2011	Cultural Resource Record Search and Site Visit Results for T-Mobile USA Candidate IE2491-A	RI-08648
DeCarlo, Matthew M., Scott C. Justus, and William T. Eckhardt, 2013	Summary Class III Cultural Resource Inventory, Proposed Southern California Edison Devers-Palo Verde 2 500kV Transmission Line Project, Riverside County, California	RI-08981
Tang, Bai "Tom", 2014	Letter Report: Update to Historical/ Archaeological Resources Survey Report: Menifee Valley North Drainage Facilities Project, Cities of Menifee and Perris; Unincorporated Homeland and Romoland Areas, Riverside County, California, CRM TECH Contract No. 1104/2771	RI-09002
Keller, Jean A., 2013	A Phase I Cultural Resources Assessment of Specific Plan Amendment 2010-090, APN 329-090-069,070, 071,072, 329-100-025,026,027,030,031,032	RI-09059
George, Joan and Vanessa Mirro, 2015	Cultural Resources Monitoring Report for the TTLC Talavera, LLC Project, Tentative Tract No. 29777, City of Menifee, Riverside County, California	RI-09437

Smith, Brian F., 2018	Results of Archaeological Monitoring for the Talavera Project (Tract No. 29777), City of Menifee, California (Negative Archaeological Monitoring Report)	RI-10771

Note: Shaded row indicates the survey overlaps the Project area.
Source: CHRIS 2022

The California Office of Historic Preservation and Riverside County list 53 NRHP-listed properties and 24 National History Landmarks (NHL) in Riverside County. There are 71 California Points of Historical Interest listed in Riverside County. There is only one property on the CRHR within Riverside County. None of these resources are within the City of Menifee or the community of Romoland (which borders the Project area), and none are located within the Project area.

Jacobs also reviewed CHRIS records to identify previously recorded cultural resources within the Project area and a 0.5-mile-radius search area. Sixteen previously recorded cultural resources were identified within the 0.5-mile-radius search area; three prehistoric resources, and ten historic-era resources, and three multicomponent resources (consisting of prehistoric and historic-era resources). While none of the previously recorded cultural resources are located within the Project area, three of the previously recorded cultural resources were identified within approximately 1,000-feet of the Project area: P-33-015381, P-33-015382, and P-33-020640. These three cultural resources consist of two single-family homes and a historic-era road segment. None of these cultural resources have been evaluated as eligible for listing in the NRHP, CRHR, or local registry. A summary of the resources are included in Table 4-2.

Table 4-2. Previously Recorded Cultural Resources within 0.5-Mile-Radius Search Area

Primary Number	Resource Type	Description	NRHP/CRHR Evaluation and Year
P-33-011465	Prehistoric	Milling Features	Unevaluated
P-33-011466	Prehistoric, Historic	Milling Features and Historic Refuse Dump	Unevaluated
P-33-011469	Prehistoric	Milling Features	Unevaluated
P-33-011470	Prehistoric, Historic	Milling Features and Historic Refuse Dump	Unevaluated
P-33-011471	Prehistoric, Historic	Milling Features and Historic Refuse Dump	Unevaluated
P-33-011472	Prehistoric	Milling Features	Unevaluated
P-33-015381	Historic	Two Structures	Not Eligible, 2006
P-33-015382	Historic	One Structure	Not Eligible, 2006
P-33-015383	Historic	One Structure	Not Eligible, 2006
P-33-015389	Historic	One Structure	Not Eligible, 2006
P-33-015743	Historic	San Jacinto Valley Railway	Potentially Eligible, 2006
P-33-020448	Historic	Historic Road Segment	Unevaluated
P-33-020503	Historic	Historic Road Segments	Unevaluated
P-33-020504	Historic	Historic Road Segments	Unevaluated
P-33-020640	Historic	Historic Road Segment	Unevaluated
P-33-028203	Historic	Historic grouping of trees	Unevaluated

Note: Shaded row indicates a previously recorded cultural resource within 1,000-feet of the Project area.
Source: CHRIS 2022

4.1.1 P-33-011465

P-33-011465 is a prehistoric site identified by Johnna Buysse in 2002. The site consists of two bedrock milling features with two slicks on each feature. The site was identified between several boulders, west of a prominent knoll northeast of the intersection of Rouse Road and Dawson Road. No artifacts were recovered from the site and the site was recorded that the milling surfaces were in poor condition. This site is currently unevaluated and unlikely to meet the criteria for listing on the NRHP or CHRP and is located over 1,000 feet away from the Project area.

4.1.2 P-33-011466

P-33-011466 is a multicomponent site that was first recorded in 2002 by Larry Pierson. The site consists of several prehistoric milling features which included a mortar, two basins and 39 slicks. Only two prehistoric artifacts were recovered from the site but a large historic period refuse dump was identified. The historic-era assemblage totaled over 1,200 artifacts and included bottles, jar fragments, tin can fragments, tableware fragments, and other miscellaneous household debris. The artifacts span from the 1900s to the 1960s but most of the deposit dates to the 1920s and the 1930s. There were no historic structures identified at the site and the site is currently unevaluated. This site is located over 1,000 feet away from the Project area.

4.1.3 P-33-011469

P-33-011469 is a prehistoric site identified by Johnna Buysse in 2002. Located south of Romoland, the site consists of two bedrock milling features and four accompanying slicks. No other features or artifacts were discovered at the site. It was noted at the time of discovery that the milling surfaces have been heavily exfoliated and is unlikely to meet the criteria for listing on the NRHP or CRHR. The site is currently unevaluated and is located over 1,000 feet away from the Project area.

4.1.4 P-33-011470

P-33-011470 is a multicomponent site that was identified by Larry Pierson in 2002. The site is located south of Romoland among boulders northeast of a prominent knoll. The site consists of seven bedrock milling features, 12 accompanying slicks, and a basin. Over 1,200 prehistoric artifacts including a hammerstone, manos, debitage, bifacial tools, scrapers, and fire-altered rock. No historic structures were identified at the site; however, a large historic period refuse dump was identified. Historic artifacts totaled over 2,800, which consisted of household debris, automotive items, building materials, and munitions. The historic deposit was noted at the time of discovery to be heavily disturbed with a mix of artifacts dating from the 1900s to 1960s. The site is currently unevaluated and is located over 1,000 feet away from the Project area.

4.1.5 P-33-011471

P-33-011471 is a multicomponent site that was first recorded by Larry Pierson in 2002. The site is located south of Romoland and consists of 53 prehistoric milling features accompanied by 87 slicks, 27 rubs, six basins, two ovals, two mortars, and one collar. The prehistoric assemblage included over 1,00 pieces of debitage, five manos, one metate, and several chipped-stone tools. No historic structures were identified at the site; however, a large historic period refuse dump was identified. The refuse scatter primarily consisted of domestic artifacts like bottles, jars, metal fragments, and tableware and exhibited signs of burning. The site is currently unevaluated and is located over 1,000 feet away from the Project area.

4.1.6 P-33-011472

P-33-011472 is a prehistoric site that was first recorded by Larry Pierson in 2002. Located among several boulders south of Romoland, the site consists of a bedrock milling feature with three slicks. No artifacts were recovered from the site and the site’s is currently considered unevaluated. This site is unlikely to meet the criteria for listing on the NRHP or CRHR and is located over 1,000 feet away from the Project area.

4.1.7 P-33-015381

P-33-015381 is a historic architectural resource that was first identified by Melissa Rees in 2006. The resource consists of approximately 1.97 acres and is located at 28050 Hwy 74, Romoland, CA. The resource is comprised of a single-family house constructed in 1923 and a second associated structure

(possibly a garage). Both buildings were noted by Rees to be in very poor condition with broken windows, vandalization, and trash littered throughout the property. This resource was evaluated by Rees in 2006 and is not eligible for listing on the NRHP or the CRHR. The resource is located within 1,00 feet of the Project area, however, the site was revisited in 2011 by Scott Kremkau who was unable to relocate the structures.

4.1.8 P-33-015382

P-33-015382 is a historic architectural resource that was first identified by Melissa Rees in 2006. The resource is located at 27912 Ethanac Road in Romoland, California and consists of a single-family house constructed in 1935. Modern window replacements and the construction of two additions to the house were cited by Rees in evaluating the resource as not eligible for listing on the NRHP or the CRHR. The resource is located within 1,000 feet of the Project area, but is not within the Project.

4.1.9 P-33-015383

P-33-015383 is a historic architectural resource that was first identified by Melissa Rees in 2006. The resource is located at 27546 Ethanac Road in Romoland, California and consists of a single-family house constructed in 1918. The structure, located over 1,000 feet away from the Project area, has been updated with modern windows and several additions have been made to the front and rear of the house. As a result of these updates, the resource was evaluated as having a low degree of integrity and is not eligible for listing on the NRHP or the CRHR.

4.1.10 P-33-015389

P-33-015389 is a historic architectural resource that was first identified by Melissa Rees in 2006. The resource is located at 27625 Ethanac Road in Romoland, California and consists of a single-family home constructed in 1960. The addition of several modern shed structures have altered the historic setting of the house. As a result, the resource was evaluated as having a low degree of integrity and is not eligible for listing on the NRHP or the CRHR. The structure is located over 1,000 feet away from the Project area.

4.1.11 P-33-015743

P-33-015743, the San Jacinto Valley Railway, is a historic linear resource first recorded in 2005 by P. Beedle and is located over 1,000 feet away from the Project area. The resource consists of the semicircular railway constructed in 1880 by J.A. Green, C.W. Smith, and Fred Perris. This construction of this rail line within the San Jacinto Valley allowed farming communities to ship their products to larger markets like Los Angeles and San Diego. The San Jacinto Valley Railway was evaluated in 2006 by P. Beedle who deemed it eligible for listing on the NRHP or on the CRHR because of its integral role in developing Riverside County's agribusiness. Additionally, there are several extensions and spurs from the main San Jacinto Valley Railway that have been identified throughout the surrounding area. Many of these individual extensions of the San Jacinto Valley Railway, however, are not considered eligible for listing on the NRHP or the CRHR. The extensions that have been identified thus far have either been in poor condition, are not linked to a specific historically significant person, and/or played a limited role in the spurring of economic development in the region as they were largely used for passenger and freight transport.

4.1.12 P-33-020448

P-33-020448 is a historic linear resource that was recorded by Joshua Trampier in 2011. This historic-era road known as "4th Street" is located over 1,000 feet from the Project area. The site was originally identified on 15-minute and 7.5 minute USGS topographic maps and consists of a 42 foot wide segment of asphalt road. The road was estimated to have been constructed between 1914 and 1945, and runs

northeast to southwest along the north side of Hwy 74. No associated artifacts were identified at the site and is currently unevaluated.

4.1.13 P-33-020503

P-33-020503 is a historic linear resource that was recorded by Joshua Trampier in 2011. This historic-era road known as “3rd Street” is located over 1,000 feet from the Project area. The site was originally identified on a 7.5-minute USGS topographic map and consists of two road segments. The first segment is asphalt-paved and is unmarked with two lanes measuring a total of 38 feet wide. The second segment is unpaved and has restricted access due to a fence. The road segments were estimated to have been constructed after 1945 along the northeast side of Hwy 74. No associated artifacts were identified at the site and the resource is currently unevaluated.

4.1.14 P-33-020504

P-33-020504 is a historic linear resource that was recorded by Joshua Trampier in 2011. This historic-era road known as “Palomar Road” is located over 1,000 feet from the Project area. The site was originally identified on a 15-minute USGS topographic map and consists of two paved road segments. The segments are marked, asphalt-paved, and consist of four lanes measuring a total of 62 feet wide. The road segments were estimated to have been constructed after between 1914 to 1945, or after 1945. The segments run north to south on either side of Hwy 74. No associated artifacts were identified at the site and the resource is currently unevaluated.

4.1.15 P-33-020640

P-33-020640 is a historic linear resource that was recorded by Joshua Trampier in 2011. This historic-era road known as “Antelope Road” is located within 1,000 feet of the Project area. The site was originally identified on a 15-minute and 7.5-minute USGS topographic maps and consists of two paved road segments. The segment is a marked, asphalt-paved, two-lane road measuring a total of 37 feet wide. The road segment was estimated to have been constructed after between 1914 to 1945, or after 1945. The segment runs north to south on either side of Hwy 74 but access is restricted by a fence. No associated artifacts were identified at the site and the resource is currently unevaluated.

4.1.16 P-33-028203

P-33-028203 is historic site that was recorded by Jean A. Keller in 2018. The site is comprised exclusively of a series of eucalyptus trees that line the west and east sides of Sherman Road. These trees were planted with the development of the Trumble Farms subdivision in 1924. Several of the trees have been removed to allow for transportation improvements and others are likely to also be removed. The site is currently unevaluated and is over 1,000 feet from the Project area.

4.2 Supplemental Research

In addition to the CHRIS records, Jacobs reviewed the Final Staff Assessment for the IEEC Application for Certification, which was prepared by the California Energy Commission (CEC) for the construction of the gas-fired IEEC facility in May 2003. The Final Staff Assessment included a cultural resources assessment that identified two historic architectural resources within the 0.5-mile-radius search area that were not included in the records received from the CHRIS. The two historic architectural resources (25626 Antelope Road and 28050 Matthews Road) were built in 1923. The CEC determined that the IEEC development would not impact the two potentially CRHR-eligible historic architectural resources, and no further assessment of cultural resources was required (CEC 2003).

5. Desktop Review

A desktop review of photographs showing current conditions of the Project area and environs was completed by professional archaeologists and individuals who meet the Secretary of the Interior's professional qualification standards in history, and architectural history.

The Project is located on relatively flat terrain with the immediate surroundings comprised of development with residential communities, small scale agriculture, and commercial and industrial development. To the south of the Project site are low hills and foothills. Approximately three miles to the northeast are the Lakeview Mountains, approximately two miles east are the Double Butte Mountains, and around 1.35 miles to the south near Sun City is a small unnamed mountain, with Steele Peak further to the west. At the time that the IEEC was constructed, the area was classified as disturbed agricultural land. However, the Project site is now considered urban or developed.

The Project area was assessed for potential visual impacts to the surrounding infrastructure and the existing built environment cultural resources located within the 0.5-mile radius search area. Due to the already extant IEEC, it is unlikely that construction within the Project area would diminish the area's visual character and impact the setting, feeling, and visual narrative of built environment cultural resources in the 0.5-mile radius search area.

6. Buried Deposit Analysis

As part of this assessment, determining the geologic potential for buried cultural deposits involved the consideration of several factors with respect to different landform-sediment assemblages: the age of sedimentary deposits, the soil stratigraphic record, location on the landform, and the drainage conditions (poorly drained vs. well drained).

An online review of United States Department of Agriculture (USDA) soils data showed that the Project area almost entirely consists of Exeter sandy loam (Figure 3) (USDA 2022). To a lesser extent, Madera fine sandy loam, Greenfield sandy loam, and Monserate sandy loam were also present.

The Exeter series consists of moderately deep soils that formed in alluvium mainly from granitic sources (USDA 1908). Exeter soils are a brown or dark yellowish brown loam topsoil over a dark reddish brown loam and are moderately well drained with slopes ranging from zero to nine percent (USDA 1908). The Exeter series consists of two A horizons, interrupted by agricultural activity (i.e. plowing) and/or other artificial disturbance, overlaying a series of B horizons formed in alluvial deposits.

The Project is located within the Peninsular Ranges Batholith, which consists of relatively flat-lying alluvial plains, surrounding and separating several small to moderate hills (Figure 4). Deposits within this area range in age from the earliest Pleistocene to the earliest Holocene epochs distinguished as middle to early Pleistocene age fan deposits, middle to late Pleistocene age fan deposits, and young alluvial fan and valley deposits of the Holocene and latest Pleistocene age (Padon 2010).

The oldest deposits occur at the base and lower flanks of the low hills throughout the city of Menifee, while the younger Holocene deposits are found in washes and shallow arroyos, where they form a thin veneer over older alluvium (Padon 2010). The remaining flat-lying areas were deposited in the middle to later Pleistocene age.

Considering that the geology of the region surrounding the Project area contains deposits from the Holocene, an era associated with the rapid proliferation of humans after the last glacial period, there is potential for buried cultural deposits to be present. However, the Project area has likely been extensively disturbed by previous construction and since the installation of the Project intends to repurpose existing structures, probability of encountering buried cultural deposits are considered low.

7. Historic Imagery Review

A review of historic and current aerial and topographic maps was completed to understand past uses within the Project area. Aerials from 1966, 1967, 1978, 1895, 1996, 2002, 2005, and 2009 were examined (NETROnline 2022). It appears that the Project area was utilized strictly for agricultural purposes until the IEEC was constructed. Aerials from 1966 to 2005 did not show did not show buildings, structures, objects or roads within the Project footprint. Residential and commercial construction quickly begins to surround the Project area beginning in the 2000s. However, various lots surrounding the Project area remain empty aside from intermittent use as equipment yards. No development is seen in the Project area until the 2009 aerial, which shows the completed IEEC.

8. Recommendations

No documented cultural resources are known to exist within the Project area based on background research. There is the potential for buried cultural materials to exist within the Project area but the likelihood of encountering such deposits are low. Considering the proposed Project activities will repurpose portions of the existing facility, and that the entire Project area has been subject to previous cultural resource investigations without encountering any archaeological sites, the potential for encountering resources near or on the ground surface appears to be unlikely. Therefore, Jacobs has concluded the development activities from the Project would have a **low likelihood** to impact cultural resources within the Project area. If cultural resources are discovered during construction, work should halt in the immediate area and a qualified archaeologist should be consulted.

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Terracon

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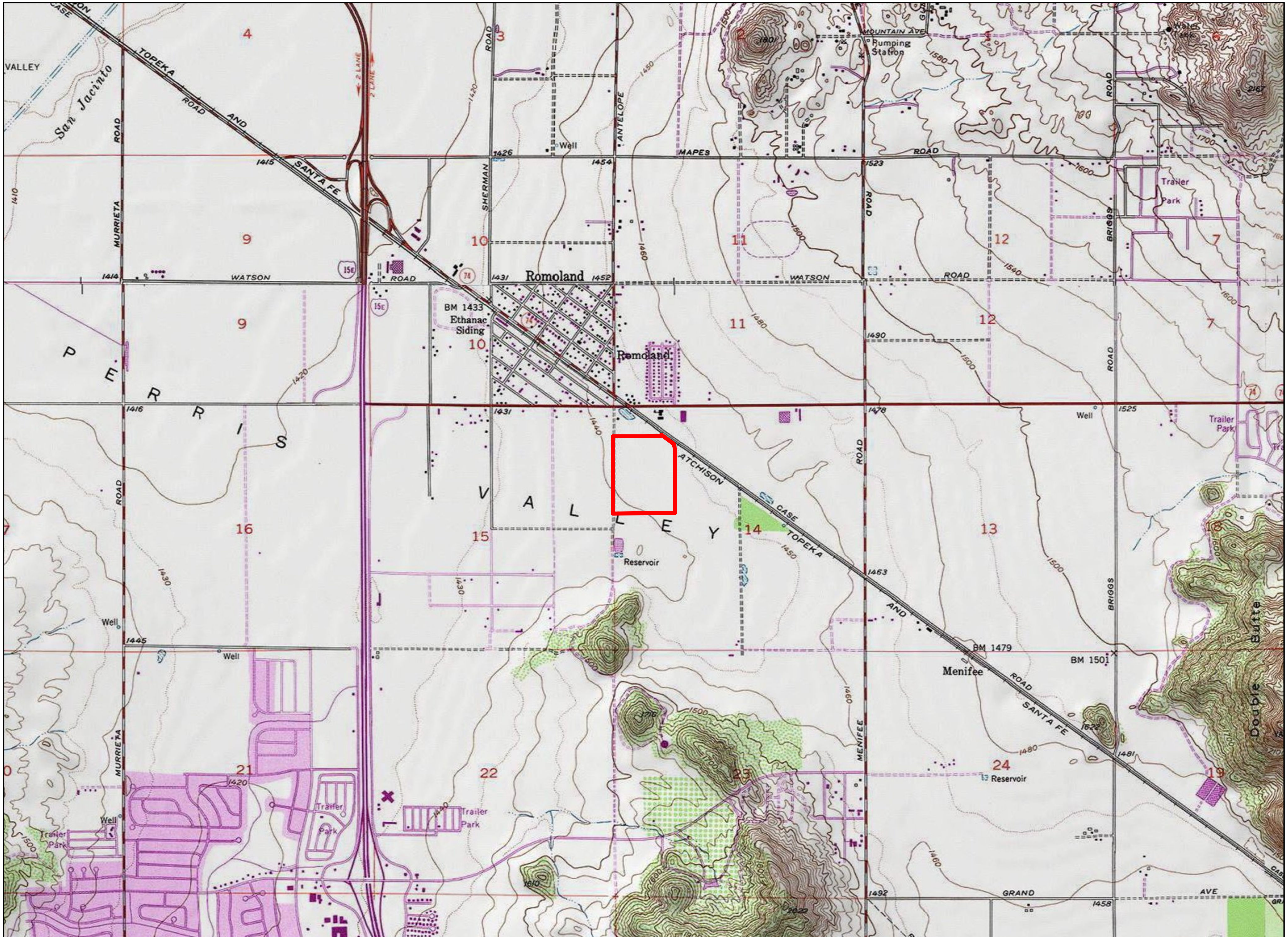
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Legend

Project APE





Sources:
ESRI World Topo Map; ESRI World Street Map

0 1,000 2,000 4,000
Feet
1 inch = 2,000 feet

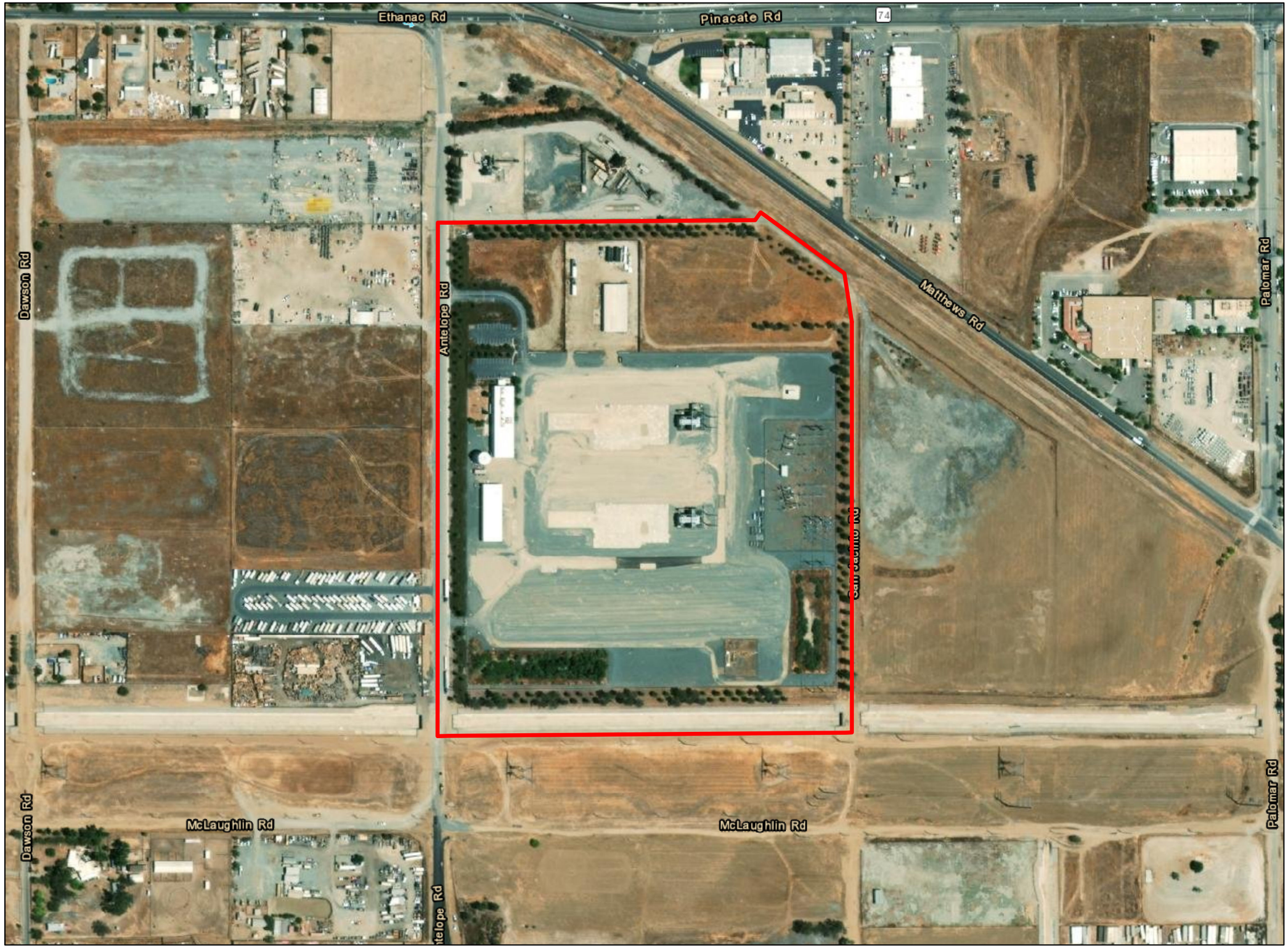
Figure 1

Project APE

Calpine Nova Project

Jacobs

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Project APE



Sources:
ESRI World Imagery, ESRI World Street Map

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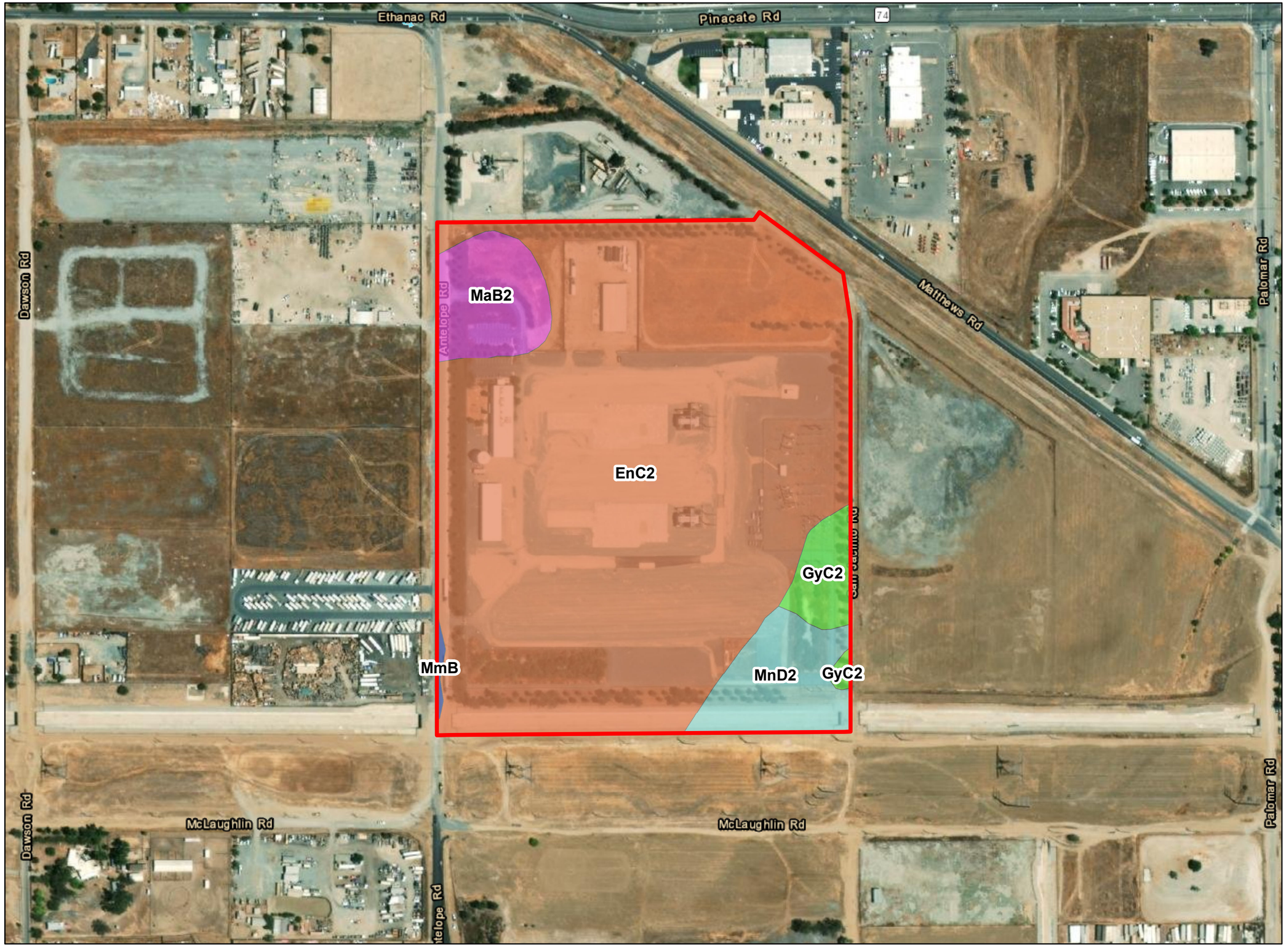
Figure 2

Project Overview

Calpine Nova Project

Jacobs

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Project APE

USDA NRCS Soils

- EnC2 - Exeter sandy loam, 2 to 8 percent slopes, eroded
- GyC2 - Greenfield sandy loam, 2 to 8 percent slopes, eroded
- MaB2 - Madera fine sandy loam, 2 to 5 percent slopes, eroded
- MmB - Monserate sandy loam, 0 to 5 percent slopes
- MnD2 - Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded



Sources:
USDA NRCS, 2022;
ESRI World Imagery; ESRI World Street Map

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Feet

1 inch = 300 feet

Figure 3

NRCS Soils

Calpine Nova Project

Jacobs

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Legend

Project APE

USGS Romoland 7.5' Quadrangle

Qofa - Old alluvial fan deposits, arenaceous



Sources:
Kelly R. Bovard and Gregory Morton. 2003. Geologic Map of the Romoland 7.5' Quadrangle, Riverside County, California. USGS Open-File Report 03-102.

ESRI World Imagery; ESRI World Street Map

0 150 300 600
Feet

1 inch = 300 feet

Figure 4

Geology

Calpine Nova Project

Jacobs

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APPENDIX D – GEOTECHNICAL ENGINEERING REPORT

Geotechnical Engineering Report

Inland Empire Energy Center
Menifee, Riverside County, California
May 14, 2021
Terracon Project No. 60205266

Prepared for:
Calpine Corporation
Dublin, California

Prepared by:
Terracon Consultants, Inc.
Tustin, California

May 14, 2021

Calpine Corporation
4160 Dublin Boulevard, Suite #100
Dublin, California 94568

Attn: Mr. Vivek Vig, P.E.
P: (760) 409-4309
E: vivek.vig@calpine.com

Re: Geotechnical Engineering Report
Inland Empire Energy Center
26226 Antelope Road
Menifee, Riverside County, California
Terracon Project No. 60205266

Dear Mr. Vig:

We have completed the Geotechnical Engineering services for the above referenced project. This study was performed in general accordance with Terracon Proposal No. P60205266, revision dated February 23, 2021. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations, infiltration systems, and pavements for the proposed project.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,
Terracon Consultants, Inc.

Victor V. Nguyen, E.I.T.
Staff Engineer

Scott G. Lawson, P.E., G.E.
Senior Engineer

APR review provided by F. Fred Buhamdan, P.E.

REGISTERED PROFESSIONAL ENGINEER
SCOTT G. LAWSON
No. GE 2829
Exp. 9/30/21
GEOTECHNICAL
STATE OF CALIFORNIA

REPORT TOPICS

INTRODUCTION 1
SITE CONDITIONS 2
PROJECT DESCRIPTION 2
GEOTECHNICAL CHARACTERIZATION 3
SEISMIC CONSIDERATIONS 5
LIQUEFACTION AND DRY SEISMIC SETTLEMENT ANALYSIS 6
CORROSIVITY 7
STORMWATER MANAGEMENT 8
GEOTECHNICAL OVERVIEW 9
EARTHWORK 10
MAT FOUNDATIONS 15
LATERAL EARTH PRESSURES 16
PAVEMENTS 17
ACCESS ROADWAYS 19
GENERAL COMMENTS 21

ATTACHMENTS

EXPLORATION AND TESTING PROCEDURES
SITE LOCATION AND EXPLORATION PLANS
EXPLORATION RESULTS (Boring Logs and Laboratory Data, Cone Penetration Test Data, In-Situ Electrical Resistivity Results)
SUPPORTING INFORMATION (Dry Seismic Settlement Analyses, General Notes and Unified Soil Classification System)

Geotechnical Engineering Report

Inland Empire Energy Center
26226 Antelope Road
Menifee, Riverside County, California

Terracon Project No. 60205266

May 14, 2021

INTRODUCTION

This report presents the results of our subsurface exploration and geotechnical engineering services performed for the proposed new Energy Storage Systems facility to be located at 26226 Antelope Road in Menifee, Riverside County, California. The purpose of these services is to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Site preparation and earthwork
- Infiltration Design and Considerations
- Foundation design and construction
- Seismic site classification per CBC
- Pavement design and construction

The geotechnical engineering Scope of Services for this project included the advancement of 21 test borings to depths ranging from approximately 4½ to 61½ feet below existing site grades (bgs). Four of these borings were utilized for percolation testing from approximate depths of 6½ to 11½ feet bgs. Boring B-6 was terminated at 4½ feet bgs due to an unknown concrete structure encountered at the termination depth. An offset boring was conducted, and the same concrete obstruction was encountered. Boring B-7 was terminated at 14 feet due to auger refusal likely associated with an unknown concrete structure at 14 feet bgs. In addition, four cone penetration tests (CPT) were pushed to approximate depths ranging from 4 to 77 feet bgs. Tip refusal was encountered at 4 feet bgs in CPT-4. The location was offset (CPT-4A) and tip refusal was encountered again at 5 feet bgs. Tip refusal was encountered in CPT-1 at 77 feet bgs. Three field electrical resistivity tests were also performed as part of the field exploration program.

Maps showing the site and boring locations are shown in the **Site Location** and **Exploration Plan** sections, respectively. The results of the laboratory testing performed on soil samples obtained from the site during the field exploration are included on the boring logs and as separate graphs in the **Exploration Results** section.

Field resistivity test locations and results are presented in our **Exploration Plan** and **Exploration Results** sections, respectively.

SITE CONDITIONS

The following description of site conditions is derived from our site visit in association with the field exploration and our review of publicly available geologic and topographic maps.

Item	Description
Parcel Information	The project site is located at 26226 Antelope Road in Menifee, Riverside County, California within an existing power plant facility in the process of decommissioning. Approximate coordinates for the center of the site are 33.7386°N, 117.1695°W
Existing Improvements	The project site is within the existing Inland Empire Energy Center. The facility previously included numerous above ground tanks, turbines, cooling towers, vents and other ancillary equipment and buildings. The decommissioning has included the demolition/removal of multiple equipment at the site. However, portions of the site and certain foundations are being left in place. The attached Site Location and Exploration Plans illustrate our understanding of these different areas which were provided by CalPine.
Current Ground Cover	Site groundcover consists of exposed soil, exposed foundations, gravel and asphalt roads.
Existing Topography	The project site is relatively flat with approximate elevations from 1441 to 1456 feet above mean sea level (MSL).

PROJECT DESCRIPTION

Item	Description
Provided Documents	Terracon was provided the following documents: ■ Final Amended Geotechnical Report for Inland Empire Energy Center in Romoland, California prepared by GZA GeoEnvironmental, Inc. dated April 2005. ■ As-Built Utility Report, prepared for the Inland Empire Energy Center Demolition Project, prepared by ATC (An Atlas Company), dated March 22, 2021.
Proposed Improvements	The project will include the installation of Energy Storage Systems. We assume these systems will be comprised of transformers, inverters, and battery units supported on mat foundations. The foundations for the HRSG, HRSG stack and Generator Transformer Step up will remain in place. However, it is our assumption that no future systems are planned to be supported on these foundations. Our scope of work does not include assessing these foundations which will be left in place. Details regarding the proposed foundations for the new Energy Storage Systems were not provided at the time of this report. Terracon should be notified and provided such information if proposed foundations differ from what is assumed in this report.

Item	Description
Construction	Battery units and associated electrical equipment are assumed to be supported on new mat foundations.
Finished Floor Elevation	Assumed to be within one foot of existing grade.
Maximum Loads	Not provided.
Grading	Minimal cut/fill – assumed to be less than one foot.
Infiltration Systems	Details regarding infiltration systems were not provided at the time this report was prepared. Based on our discussions with the client, it is our understanding that shallow infiltration systems consisting of detention basins may be planned along the southwestern and southeastern portions of the site.
Pavements	It is our understanding that new pavements will be constructed and are included in this project.
Traffic Loading	We assume both rigid (concrete) and flexible (asphalt) pavement sections should be considered. In addition, we understand that aggregate surface roads are also proposed within the facility. Assumed traffic for rigid and flexible pavement are as follows: ■ Automobile Parking Area: Traffic Index of 4.5 ■ Driving Lanes: Traffic Index of 5.5 ■ Fire Truck Drive Lanes and Loading Areas: Traffic Index of 6.5 Terracon should be notified if higher traffic loading is anticipated.

GEOTECHNICAL CHARACTERIZATION

We have developed a general characterization of the subsurface soil and groundwater conditions based upon our review of the data and our understanding of the geologic setting and planned construction. The following table provides our geotechnical characterization.

The geotechnical characterization forms the basis of our geotechnical calculations and evaluation of site preparation and foundation options. As noted in **General Comments**, the characterization is based upon widely spaced exploration points across the site, and variations are likely.

Stratum	Approximate Depth to Bottom of Stratum (feet)	Material Description	Consistency
FILL[1]	4 to 14	Sand with varying amounts of silt, clay, and gravel	Medium dense to dense
1[2]	5 to 21½	Sand with varying amounts of silt, clay, and gravel	Medium dense to very dense
2	20 to 31½	Sandy and silty clay, and silt with varying amounts of sand	Very stiff to hard
3[3]	21 to 40	Sand with varying amounts of silt and clay	Dense to very dense
4	31½ to 45	Silty clay with varying amounts of sand, silt with varying amounts of sand	Stiff to hard
5	55	Silty sand	Dense to very dense
6	61.5	Sandy silty clay, sandy silt	Very stiff to hard
7	77 (CPT termination)	Sand with varying amounts of silt with interbedded layers of sandy silt	N/A

1. Borings B-6 and B-12 encountered 4 feet of fill; boring B-7 encountered 14 feet of fill.
2. Loose clayey sands encountered in P-3 at 2½ feet bgs.
3. Medium dense clayey sand layer encountered in B-5 at 20 feet bgs.

Conditions encountered at each boring location are indicated on the individual boring logs shown in the **Exploration Results** section and are attached to this report. Stratification boundaries on the boring logs represent the approximate location of changes in native soil types; in situ, the transition between materials may be gradual.

Lab Results

Laboratory tests were conducted on selected soil samples and the test results are presented in the **Exploration Results** section and on the boring logs. Atterberg limit test results indicate that the on-site soils generally have low plasticity or are non-plastic. Consolidation testing indicates that the on-site soils encountered at an approximate depth of 5 feet bgs have a negligible to low collapse potential when saturated under normal footing loads of 2,000 psf. An expansion index (EI) test performed on a sample from boring B-3 at an approximate depth of 1 to 3½ feet bgs resulted in an EI value of 14. Direct Shear tests performed on samples taken at depths of 5 and 7½ feet bgs in borings B-10 and B-1 indicate these soils have a cohesion of 970 and 920 psf and effective friction angle of 40 and 33 degrees, respectively. A modified Proctor test performed on a sample collected an approximate depth of 1 to 3½ feet bgs in B-5 indicated a maximum dry density of 134.2 pcf and corresponding optimum moisture content of 8.1 percent.

Thermal Resistivity Testing

Terracon subcontracted Geotherm USA to perform the laboratory thermal resistivity testing on soil samples obtained from B-5 and B-9 at an approximate depth of 1 to 3 feet bgs. To estimate thermal properties of the soils, the sample from B-5 was remolded to 90 percent relative compaction and moisture conditioned to the optimum moisture content as determined by ASTM Standard D1557. The sample from B-9 was tested at the density of an undisturbed soil sample collected at the same depth. Thermal testing was performed in accordance with the IEEE Standard (IEEE-442).

We recommend that the thermal resistivity results be discussed with an electrical design team to determine the influence on underground equipment and backfill materials. The laboratory thermal resistivity test results are provided in **Exploration Results**.

Field Soil Resistivity Test

Field measurements of soil resistivity were performed in general accordance with ASTM Test Method G57-06 using the Wenner Four-Electrode Method. Two perpendicular arrays were performed at each of the three locations selected by the client with A-spacings of 2, 4, 6, 8, 10, 20, 40, and 80 feet and corresponding probe depths of 6 inches. Field resistivity test locations and results are presented in our **Exploration Plan** and **Exploration Results** sections, respectively.

Groundwater

Groundwater was not observed in the borings while drilling, or for the short duration the boring remained open, to the maximum depth explored of 61 feet bgs. These observations represent groundwater conditions at the time of the field exploration and may not be indicative of other times, or at other locations.

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

Based on review of previous borings in the April 2005 report by GZA, groundwater was encountered at the site at depths ranging from 72 to 80 feet bgs.

SEISMIC CONSIDERATIONS

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure.

The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7-16.

Description	Value
2019 California Building Code Site Classification (CBC) [1]	C [2]
Site Latitude °N	33.7386
Site Longitude °W	117.1695
S_s Spectral Acceleration for a 0.2-Second Period	1.422 g
S_1 Spectral Acceleration for a 1-Second Period	0.529 g
F_a Site Coefficient for a 0.2-Second Period	1.2
F_v Site Coefficient for a 1-Second Period	1.471

1. Seismic site classification in general accordance with the *2019 California Building Code*.
2. The 2019 California Building Code (CBC) requires a site soil profile determination extending to a depth of 100 feet for seismic site classification. The shear wave velocity was estimated based on shear wave velocity measurements performed in CPT-1 to an approximate depth of 77 feet bgs, and review of P-S Suspension Logging data provided in the April 2005 report by GZA.

Faulting and Estimated Ground Motions

The site is located in southern California, which is a seismically active area. The type and magnitude of seismic hazards affecting the site are dependent on the distance to causative faults, the intensity, and the magnitude of the seismic event. As calculated using the USGS Unified Hazard Tool, the San Jacinto Fault, which is considered to have the most significant effect at the site from a design standpoint, has a maximum credible earthquake magnitude of 8.0 and is located approximately 17.7 kilometers from the site.

Based on the USGS Design Maps Summary Report, using the American Society of Civil Engineers (ASCE 7-16) standard, the peak ground acceleration (PGA_M) at the project site is expected to be 0.6g. Based on the USGS Unified Hazard Tool, the project site has a mean magnitude of 7.1. Furthermore, the site is not located within an Alquist-Priolo Earthquake Fault Zone based on our review of the State Fault Hazard Maps.[1]

LIQUEFACTION AND DRY SEISMIC SETTLEMENT ANALYSIS

Liquefaction is a mode of ground failure that results from the generation of high pore water pressures during earthquake ground shaking, causing loss of shear strength. Liquefaction is

[1] California Geological Survey (CGS), https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/.

typically a hazard where loose sandy soils exist below groundwater. The California Geological Survey (CGS) has designated certain areas as potential liquefaction hazard zones. These are areas considered at a risk of liquefaction-related ground failure during a seismic event, based upon mapped surficial deposits and the presence of a relatively shallow water table.

The site is located within a low severity liquefaction zone as determined by the County of Riverside. Based on the County of Riverside, and the anticipated depth to groundwater, liquefaction potential at the site is considered low. As such, other geologic hazards related to liquefaction, such as lateral spreading, are also considered low.

A dry seismic settlement analysis for the site was performed in general accordance with the DMG Special Publication 117. The seismic settlement analysis utilized the software "LiquefyPro" by CivilTech Software and CPT-2 and 3. A site modified maximum Peak Ground Acceleration (PGA) of 0.6 g. The mean magnitude of 7.1 for the project site was used. Calculations and fines correction utilized the Modified Robertsons Method and Stark/Olson method, respectively.

Based on calculation results, seismically induced settlement of dry sands is estimated to be approximately ¼ inch with differential settlement less than ¼ inch. The detailed analyses results are attached to this report in **Supporting Documents** section of the **Appendix**.

CORROSIVITY

The table below lists the results of laboratory soluble sulfate, soluble chloride, electrical resistivity, and pH testing. The values may be used to estimate potential corrosive characteristics of the on-site soils with respect to contact with the various underground materials which will be used for project construction.

Corrosivity Test Results Summary									
Boring	**Sample Depth (ft)**	**Soil Description**	**Soluble Sulfate (%)**	**Sulfides (ppm)**	**Chlorides (ppm)**	**Red-Ox Potential (mV)**	**Electrical Resistivity (Ω-cm)**	**Total Salts (ppm)**	**pH**
B-3	1-3.5	Silty clayey sand	<0.01	Nil	140	+683	194	2,050	8.12
B-5	1-3.5	Poorly graded sand with silt	0.02	Nil	70	+689	3,783	290	7.62
B-9	1-4	Silty Sand	0.03	Nil	160	+685	1,164	1,355	8.30

Results of soluble sulfate testing indicate samples of the on-site soils tested possess negligible sulfate concentrations when classified in accordance with Table 19.3.1.1 of the ACI Design Manual. Concrete should be designed in accordance with the exposure class S0 provisions of the ACI Design Manual, Section 318, Chapter 19.

Refer to the Summary of Laboratory Results in **Exploration Results** for the complete results of the corrosivity testing conducted in conjunction with this geotechnical exploration. Corrosion engineer should be consulted to further evaluate corrosive potential of the on-site soils to concrete and underground ferrous metals.

STORMWATER MANAGEMENT

Four (4) in-situ percolation tests were performed to approximate depths of 6½ and 11½ feet bgs. A 2-inch thick layer of gravel was placed in the bottom of each boring after the borings were drilled to investigate the soil profile. A 3-inch diameter perforated pipe was installed on top of the gravel layer in each boring. Gravel was used to backfill between the perforated pipes and the boring sidewall. The borings were then filled with water for a pre-soak period. Testing began after a pre-soak period. At the beginning of the test, the pipes were refilled with water and readings were taken at standardized time intervals. Percolation rates are provided in the following table:

TEST RESULTS				
Test Location (depth, feet bgs)	**Soil Classification**	**Slowest Measured Percolation Rate (in/hr.)**	**Correlated Infiltration Rate[1] (in/hr.)**	**Water Head (in)**
Perc-1 (0 - 6½)	Clayey sand	1.0	<0.1	71
Perc-2 (0 - 11½)	Silty sand and clayey sand	12.0	0.18	135
Perc-3 (0 - 6½)	Clayey sand	7.0	0.19	72
Perc-4 (0 - 11½)	Clayey sand and silty sand	8.0	0.12	132

[1]If proposed infiltration system will mainly rely on vertical downward seepage, the correlated infiltration rates should be used. The infiltration rates were correlated using the Porchet method.

With time, the bottoms of infiltration systems tend to plug with organics, sediments, and other debris. Long term maintenance will likely be required to remove these deleterious materials to help reduce decreases in actual percolation rates.

The percolation tests were performed with clear water, whereas the storm water will likely not be clear, but may contain organics, fines, and grease/oil. The presence of these deleterious materials will tend to decrease the rate that water percolates from the infiltration systems. Design of the stormwater infiltration systems should account for the presence of these materials and should incorporate structures/devices to remove these deleterious materials. A safety factor should be applied to these measured rates.

Based on the soils encountered in our borings, we expect the percolation rates of the soils could be different than measured in the field due to variations in fines and gravel content. The design elevation and size of the proposed infiltration system should account for this expected variability in infiltration rates.

Infiltration testing should be performed after construction of the infiltration system to verify the design infiltration rates. It should be noted that siltation and vegetation growth along with other factors may affect the infiltration rates of the infiltration areas. The actual infiltration rate may vary from the values reported here. Infiltration systems should be located a minimum of 10 feet from any existing or proposed foundation system.

GEOTECHNICAL OVERVIEW

The site appears suitable for the proposed construction based upon geotechnical conditions encountered in the test borings, provided that the recommendations provided in this report are implemented in the design and construction phases of this project.

Fill materials were encountered to an approximate depth of 4 feet bgs in borings B-6 and B-12. Boring B-7 encountered fill material to a depth of approximately 14 feet. Fill material and buried obstructions may be present in other areas on-site. The fill materials were likely placed as part of the grading of the original Inland Empire Energy Center and subsequent demolition of some of those structures to make space for the currently proposed project. The estimated depth of fill materials should not be considered exact due to the similarity of lithology and color of the graded materials and native soils. The fill soils consisted of medium dense to dense sand with varying amounts of silt, clay, and gravel. Terracon does not have any documentation of observation or compaction testing performed during the grading operations. If such documentation exists, Terracon should be notified and the recommendations in this report may be appropriately modified.

The proposed battery units and associated transformers and inverters can be supported on mat foundations systems.

Mat foundations should bear on engineered fill extending to a minimum depth of 2-feet below the bottom of foundations. In areas of undocumented fill, the undocumented fill should be removed and replaced with engineered fill, unless documentation of fill placement were provided for our review. Grading for the proposed mat foundations should incorporate the limits of the foundation plus a lateral distance of 2 feet beyond the edge of the perimeter of foundations. Localized deeper removals may be needed where soft soils at encountered at the excavation bottom.

The recommendations contained in this report are based upon the results of field and laboratory testing (presented in the **Exploration Results** section), engineering analyses, and our current understanding of the proposed project.

The **General Comments** section provides an understanding of the report limitations.

EARTHWORK

The following recommendations include site preparation, excavation, subgrade preparation and placement of engineered fills on the project. The recommendations presented for design and construction of earth supported elements including foundations and slabs are contingent upon following the recommendations outlined in this section.

Earthwork on the project should be observed and evaluated by Terracon. The evaluation of earthwork should include observation and testing of engineered fill, subgrade preparation, foundation bearing soils, and other geotechnical conditions exposed during the construction of the project.

Site Preparation

Strip and remove existing vegetation, debris, pavements, and other deleterious materials from proposed structural and pavement areas. Exposed surfaces should be free of mounds and depressions which could prevent uniform compaction. The site should be initially graded to create a relatively level surface to receive fill and provide for a relatively uniform thickness of fill beneath proposed structures.

The decommissioning of the previous facility has included the demolition/removal of multiple equipment at the site. However, portions of the site and certain foundations are being left in place. Further demolition of existing structures should include the removal of all foundation systems and remaining underground utilities within the outline of the proposed new foundation areas. This should include removal of any loose backfill found adjacent to existing foundations. All materials derived from the demolition of existing structures and pavements should be removed from the site and not be allowed for use as on-site fill, unless processed in accordance with the fill requirements included in this report.

Subgrade Preparation

Mat foundations should bear on engineered fill extending to a minimum depth of 2-feet below the bottom of foundations. In areas of undocumented fill, the undocumented fill should be removed and replaced with engineered fill. Grading for the proposed mat foundation should incorporate the limits of the foundation plus a lateral distance of 2 feet beyond the edge of the perimeter of foundations. Localized deeper removals may be needed where soft soils at encountered at the excavation bottom.

Subgrade soils beneath pavements should be scarified, moisture conditioned, and compacted to a minimum depth of 10 inches. The moisture content and compaction of subgrade soils should be maintained until pavement construction.

Exposed areas which will receive fill, once properly cleared and benched where necessary, should be scarified to a minimum depth of 10 inches, moisture conditioned, and compacted per the compaction requirements in this report. In the event the demolition activities result in disturbance of deeper soils, the subgrade preparation and compaction should extend to the depth of undisturbed soils.

Support of structures and pavements on or above existing fill materials is discussed in this report. However, even with the recommended construction testing services, there is an inherent risk for the owner that compressible fill or unsuitable material within or buried by the fill will not be discovered. This risk of unforeseen conditions cannot be eliminated without completely removing the existing fill, but can be reduced by performing additional testing and evaluation.

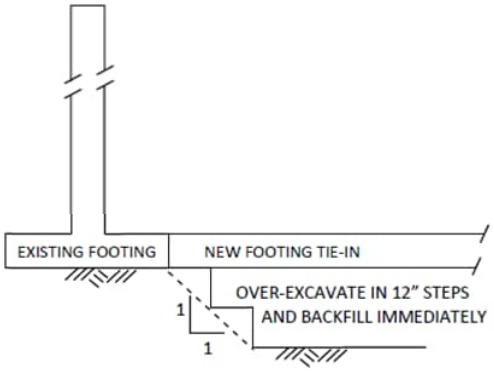
Based upon the subsurface conditions determined from the geotechnical exploration, subgrade soils exposed during construction are anticipated to be relatively workable. However, the workability of the subgrade may be affected by precipitation, repetitive construction traffic or other factors. If unworkable conditions develop, workability may be improved by scarifying and drying.

Excavation

It is anticipated that excavations for the proposed construction can be accomplished with conventional earthmoving equipment.

The bottom of excavations should be thoroughly cleaned of loose soils and disturbed materials prior to backfill placement and/or construction.

Where new foundations constructed adjacent to the existing foundations, there is a risk that the bearing material could become undermined and/or overstressed due to overlapping stresses. Provisions should be made during construction to prevent undermining or disturbing the soils supporting the existing foundations. Excavations should not extend below an imaginary 1H:1V inclined plane projecting below the bottom edge of any adjacent existing foundations as shown in the figure to the right.



Maintaining a sufficient clear distance between new and existing foundations will reduce the potential for increased bearing stresses and additional foundation settlement. Connections between the existing building and the new addition should allow for some differential movement.

Onsite soils partially consist of cohesionless sandy soils. Such soils have the tendency to cave and slough during excavations. Therefore, formwork may be needed for foundation excavations.

Individual contractors are responsible for designing and constructing stable, temporary excavations. Excavations should be sloped or shored in the interest of safety following local, and federal regulations, including current OSHA excavation and trench safety standards.

Fill Materials and Placement

All fill materials should be inorganic soils free of vegetation, debris, and fragments larger than 6 inches in size. Pea gravel or other similar non-cementitious, poorly-graded materials should not be used as fill or backfill without the prior approval of the geotechnical engineer.

Clean on-site soils or approved imported materials may be used as fill material for the following:

- general site grading
- foundation areas
- exterior slab areas
- foundation backfill
- pavement areas

Imported soils for use as fill material within proposed building and structure areas should conform to low volume change materials as indicated in the following specifications:

Gradation	Percent Finer by Weight (ASTM C 136)
3”	100
No. 4 Sieve	50-100
No. 200 Sieve	10-40

- Liquid Limit ..... 30 (max)
- Plasticity Index ..... 15 (max)
- Maximum expansion index* ..... 20 (max)

*ASTM D 4829

The contractor shall notify the Geotechnical Engineer of import sources sufficiently ahead of their use so that the sources can be observed and approved as to the physical characteristic of the import material. For all import material, the contractor shall also submit current verified reports from a recognized analytical laboratory indicating that the import has a "not applicable" (Class S0) potential for sulfate attack based upon current ACI criteria and is "mildly corrosive" to ferrous metal and copper. The reports shall be accompanied by a written statement from the contractor that the laboratory test results are representative of all import material that will be brought to the job.

Engineered fill should be placed and compacted in horizontal lifts, using equipment and procedures that will produce recommended moisture contents and densities throughout the lift. Fill lifts should not exceed 10 inches loose thickness.

Compaction Requirements

Recommended compaction and moisture content criteria for engineered fill materials are as follows:

Material Type and Location	Per the Modified Proctor Test (ASTM D 1557)		
	Minimum Compaction Requirement	Range of Moisture Contents for Compaction Above Optimum	
		Minimum	Maximum
On-site soils and low volume change imported fill:			
Beneath foundations:	90	0%	+3%
Fill greater than 5 feet in depth	95	0%	+3%
Miscellaneous backfill:	90	0%	+3%
Beneath pavements:	95	0%	+3%
Utility Trenches*:	90	0%	+3%
Bottom of excavation receiving fill:	90	0%	+3%
Aggregate base (beneath pavements):	95	0%	+3%

* Upper 12 inches should be compacted to 95% within pavement and structural areas. Compaction requirement should be coordinated with the electrical engineer based on thermal resistivity results.

Grading and Drainage

Positive drainage should be provided during construction and maintained throughout the life of the development. Infiltration of water into utility trenches or foundation excavations should be prevented during construction. Planters and other surface features which could retain water in areas adjacent to the building or pavements should be sealed or eliminated. In areas where sidewalks or paving do not immediately adjoin the structure, we recommend that protective slopes be provided with a minimum grade of approximately 5 percent for at least 10 feet from perimeter walls. Backfill against footings, exterior walls, and in utility and sprinkler line trenches should be well compacted and free of all construction debris to reduce the possibility of moisture infiltration.

We recommend a minimum horizontal setback distance of 10 feet from the perimeter of any building and the high-water elevation of the nearest storm-water retention basin.

Roof drainage should discharge into splash blocks or extensions when the ground surface beneath such features is not protected by exterior slabs or paving. Sprinkler systems and landscaped irrigation should not be installed within 5 feet of foundation walls.

Sprinkler systems and landscaped irrigation should not be installed within 5 feet of foundation walls.

Utility Trenches

It is anticipated that the on-site soils and fill materials will provide suitable support for underground utilities and piping that may be installed. Any soft and/or unsuitable material encountered at the bottom of excavations should be removed and be replaced with an adequate bedding material. A non-expansive granular material with a sand equivalent greater than 30 should be used for bedding and shading of utilities, unless allowed or specified otherwise by the utility manufacturer.

On-site materials are considered suitable for backfill of utility and pipe trenches from one foot above the top of the pipe to the final ground surface, provided the material is free of organic matter and deleterious substances

Trench backfill should be mechanically placed and compacted as discussed earlier in this report. Compaction of initial lifts should be accomplished with hand-operated tampers or other lightweight compactors. Where trenches are placed beneath slabs or footings, the backfill should satisfy the gradation and expansion index requirements of engineered fill discussed in this report. Flooding or jetting for placement and compaction of backfill is not recommended.

Exterior Slab Design and Construction

Exterior slabs-on-grade, exterior architectural features, and utilities founded on, or in backfill may experience some movement due to the volume change of the backfill. To reduce the potential for damage caused by movement, we recommend:

- minimizing moisture increases in the backfill;
- controlling moisture-density during placement of backfill;
- using designs which allow vertical movement between the exterior features and adjoining structural elements;
- placing effective control joints on relatively close centers.

Construction Considerations

Upon completion of filling and grading, care should be taken to maintain the subgrade moisture content prior to construction of floor slabs. Construction traffic over the completed subgrade should be avoided to the extent practical. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. If the subgrade should become desiccated, saturated, or disturbed, the affected material should be removed, or these materials should be scarified, moisture conditioned, and recompacted prior to floor slab construction.

Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for

construction site safety, or the contractor's activities; such responsibility shall neither be implied nor inferred.

Construction Observation and Testing

The geotechnical engineer should be retained during the construction phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation, proof-rolling, placement and compaction of controlled compacted fills, backfilling of excavations to the completed subgrade.

The exposed subgrade and each lift of compacted fill should be tested, evaluated, and reworked as necessary until approved by the Geotechnical Engineer prior to placement of additional lifts. Each lift of fill should be tested for density and water content at a frequency of at least one test for every 2,500 square feet of compacted fill in the structural areas and 5,000 square feet in pavement areas. One density and water content test for every 50 linear feet of compacted utility trench backfill. This testing frequency criteria may be adjusted during construction as specified by the geotechnical engineer of record.

In areas of foundation excavations, the bearing subgrade should be evaluated under the direction of the Geotechnical Engineer. In the event that unanticipated conditions are encountered, the Geotechnical Engineer should prescribe mitigation options.

In addition to the documentation of the essential parameters necessary for construction, the continuation of the Geotechnical Engineer into the construction phase of the project provides the continuity to maintain the Geotechnical Engineer's evaluation of subsurface conditions, including assessing variations and associated design changes.

MAT FOUNDATIONS

If the site has been prepared in accordance with the requirements noted in **Earthwork**, the following design parameters are applicable for mat foundations.

Mat Foundation Design Recommendations

DESCRIPTION	RECOMMENDATION
Foundation Type	Structurally Rigid Mat foundation
Bearing Material	Engineered fill extending to a minimum depth of 2-feet below the bottom of foundations, or depth of undocumented fill materials, whichever is greater.
Modulus of Subgrade Reaction, k_{v1}*, for a small loaded area (1 Sq. ft or less) such as for forklift wheel loads	250 pci
Modulus Correction Factor*	$k_v = k_{v1} [(B+1)/2B)]^2$
Allowable Bearing Pressure	■ 6,000 psf for foundation widths up to 20 feet ■ 4,000 psf for foundation widths up to 30 feet ■ 3,000 psf for foundation widths up to 40 feet
Minimum Depth	18 inches
Total Estimated Static Settlement	1 inch or less
Estimated Differential Settlement	½ inch
*k_{v1} values should be reduced to account for dimensional effects of large loaded areas, where k_v is the corrected modulus value and B is the mat width in feet.	

Finished grade is defined as the lowest adjacent grade within five feet of the foundation for perimeter (or exterior) footings.

The allowable foundation bearing pressure applies to dead loads plus design live load conditions. The design bearing pressure may be increased by one-third when considering total loads that include wind or seismic conditions. The weight of the foundation concrete below grade may be neglected in dead load computations.

Foundation excavations should be observed by the geotechnical engineer. If the soil conditions encountered differ significantly from those presented in this report, supplemental recommendations will be required.

LATERAL EARTH PRESSURES

Design Parameters

For engineered fill comprised of on-site soils above any free water surface, recommended equivalent fluid pressures for unrestrained foundation elements are:

ITEM	VALUE[a, b]
Active Case	36 psf/ft
Passive Case	440 psf/ft
At-Rest Case	55 psf/ft
Coefficient of Friction	0.35

[a]Note: The values are based on native soils used as backfill.
[b]Note: Uniform, horizontal backfill, compacted to at least 90% of the ASTM D 1557 maximum dry density, rendering a maximum unit weight of 125 pcf.

The lateral earth pressures herein do not include any factor of safety and are not applicable for submerged soils/hydrostatic loading. Additional recommendations may be necessary if such conditions are to be included in the design.

Fill against foundation and retaining walls should be compacted to densities specified in the Earthwork section of this report. Compaction of each lift adjacent to walls should be accomplished with hand-operated tampers or other lightweight compactors.

PAVEMENTS

General Pavement Comments

Pavement designs are provided for the traffic conditions and pavement life conditions as noted in **Project Description** and in the following sections of this report. A critical aspect of pavement performance is site preparation. Pavement designs noted in this section must be applied to the site which has been prepared as recommended in the **Earthwork** section.

Pavement Design Parameters

A design R-Value of 30 was used to calculate the asphalt concrete pavement thickness sections and the Portland cement concrete pavement sections. The R-value was estimated based on the results of our field exploration and laboratory testing, and laboratory testing presented in the 2005 GZA report. R-value testing should be completed prior to pavement construction to verify the design R-value.

Assuming the pavement subgrades will be prepared as recommended within this report, the following pavement sections should be considered minimums for this project for the traffic indices assumed in the table below. As more specific traffic information becomes available, we should be contacted to reevaluate the pavement calculations.

Pavement Section Thicknesses

The following table provides options for AC and PCC Sections:

	Recommended Pavement Section Thickness (inches)		
	Light (Automobile) Parking TI = 4.5	**Automobile Driveways TI = 5.5**	**Driveways and Delivery Areas TI = 6.5**
Section I Portland Cement Concrete*	5.0-inches PCC over 4-inches AB	5.5-inches PCC over 4-inches AB	6-inches PCC over 4-inches AB
Section II Asphalt Concrete	3-inches AC over 5-inches AB	3-inches AC over 7-inches AB	3-inches AC over 10-inches AB
AB: Class II Aggregate Base * Unreinforced plain jointed	PCC: Portland Cement Concrete		AC: Asphalt Concrete

These pavement sections are considered minimal sections based upon the expected traffic and the existing subgrade conditions. However, they are expected to function with periodic maintenance and overlays if good drainage is provided and maintained.

Subsequent to clearing, grubbing, and removal of topsoil, subgrade soils beneath all pavements should be scarified, moisture conditioned, and compacted to a minimum depth of 10 inches. All materials should meet the Caltrans Standard Specifications for Highway Construction. Aggregate base materials should meet the gradation and quality requirement of Class 2 Aggregate Base (¾ inch maximum) in Caltrans Standard Specifications, latest edition, Sections 25 through 29.

All concrete for rigid pavements should have a minimum flexural strength of 600 psi (4,250 psi Compressive Strength) and be placed with a maximum slump of four inches. Proper joint spacing will also be required to prevent excessive slab curling and shrinkage cracking. All joints should be sealed to prevent entry of foreign material and dowelled where necessary for load transfer.

Preventative maintenance should be planned and provided for through an on-going pavement management program in order to enhance future pavement performance. Preventative maintenance activities are intended to slow the rate of pavement deterioration, and to preserve the pavement investment.

Preventative maintenance consists of both localized maintenance (e.g. crack sealing and patching) and global maintenance (e.g. surface sealing). Preventative maintenance is usually the first priority when implementing a planned pavement maintenance program and provides the highest return on investment for pavements.

Pavement Construction Considerations

Materials and construction of pavements for the project should be in accordance with the requirements and specifications of the State of California Department of Transportation, or other approved local governing specifications.

Base course or pavement materials should not be placed when the surface is wet. Surface drainage should be provided away from the edge of paved areas to minimize lateral moisture transmission into the subgrade.

ACCESS ROADWAYS

Aggregate Surfaced Roadway Design Recommendations

Aggregate surface roadway design was conducted in general accordance with the United States Department of the Army document Design of Aggregate Surfaced Roads and Airfields (1990). A correlated CBR of 15 was utilized. Traffic information was not available at this time. Based on discussion with the client, it is our understanding that aggregate surface roads will serve as interior access roads and will not see frequent traffic. Based on this information, a Road Class of G and category of III was selected for design.

Based on the information above, aggregate surface course should have a minimum thickness of 5-inches. All aggregate base sections should be constructed over a minimum of 10 inches of scarified, moisture conditioned soils compacted to 90% of the maximum dry density using ASTM D 1557.

Terracon should be contacted if more information of daily traffic loading becomes available. Aggregate base materials should be compacted to 95% of the maximum dry density using ASTM D 1557 and meet the gradation and quality requirement of Class 2 Aggregate Base (3/4-inch maximum) in Caltrans Standard Specifications, latest edition, Sections 25 through 29. The recommended thicknesses should be measured after full compaction. The width of the roadway should extend a minimum distance of 1 foot on each side of the desired surface width.

Positive drainage should be provided during construction and maintained throughout the life of the roadways. Proposed roadway design should maintain the integrity of the road and eliminate ponding.

Access Roadway Design and Construction Considerations

Regardless of the design, aggregate surfaced roadways will display varying levels of wear, rutting, and deterioration. We recommend an implementation of a site inspection program at a frequency of at least once per year to verify the adequacy of the roadways. Preventative measures should be applied as needed for erosion control and regrading. An initial site inspection should be completed approximately three months following construction.

Shoulder build-up on both sides of proposed roadways should match the aggregate surface elevation and slope outwards at a minimum grade of 10% for five feet.

Materials and construction of pavements for the project should be in accordance with the requirements and specifications of the Caltrans, or other approved local governing specifications.

Base course or pavement materials should not be placed when the surface is wet. Surface drainage should be provided away from the edge of roadway areas to minimize lateral moisture transmission into the subgrade.

GENERAL COMMENTS

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Natural variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence or collaboration through this system are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. The findings and recommendations presented in this report were prepared in a manner consistent with the standards of care and skill ordinarily exercised by members of its profession completing similar studies and practicing under similar conditions in the geographic vicinity and at the time these services have been performed. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly impact excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety, and cost estimating including, excavation support, and dewatering requirements/design are the responsibility of others. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

ATTACHMENTS

EXPLORATION AND TESTING PROCEDURES

Field Exploration

Advancement Method	Borings/CPTs	Boring/CPT Depth (feet)	Location
Hollow Stem Auger	B-1 to B-10	4½ to 31½	Battery Storage Areas
	B-11 to B-12	61½	
	P-1 to P-5	6½	Interior Roadways
	Perc-1 to Perc-4	6½ to 11½	Infiltration Areas
Cone Penetration Test	CPT-1 to CPT-4	4 to 77	Battery Storage Areas

Boring Layout and Elevations: Boring locations were prepared by Terracon. Coordinates were obtained with a handheld GPS unit (estimated horizontal accuracy of about ±10 feet) and approximate elevations were obtained Google Earth Pro. The accuracy of boring locations should only be assumed to the level implied by the method used. If elevations and a more precise boring layout are desired, we recommend borings be surveyed following completion of fieldwork.

Subsurface Exploration Procedures: We advanced the borings with a truck-mounted drill rig using continuous hollow stem flight augers. Four samples were obtained in the upper 10 feet of each boring and at intervals of 5 feet thereafter. Soil sampling was performed using split-barrel sampling procedures. In the split-barrel sampling procedure, a standard 2-inch outer diameter split-barrel sampling spoon is driven into the ground by a 140-pound automatic hammer falling a distance of 30 inches. The number of blows required to advance the sampling spoon the last 12 inches of a normal 18-inch penetration is recorded as the Standard Penetration Test (SPT) resistance value. The SPT resistance values, also referred to as N-values, are indicated on the boring logs at the test depths. A 2.5-inch O.D. split-barrel Modified California sampling spoon with 2.0-inch I.D. tube lined sampler was also used for sampling. The Modified California split-barrel sampling procedures are similar to standard split spoon sampling procedure; however, blow counts are typically recorded for 6-inch intervals for a total of 12 inches of penetration. The samples were placed in appropriate containers, taken to our soil laboratory for testing, and classified by a geotechnical engineer. In addition, we observed and recorded groundwater levels during drilling and sampling. For safety purposes, all borings were backfilled with auger cuttings after their completion.

For the cone penetrometer testing, the CPT rig hydraulically pushes an instrumented cone through the soil while nearly continuous readings are recorded to a portable computer. The cone is equipped with electronic load cells to measure tip resistance and sleeve resistance and a pressure transducer to measure the generated ambient pore pressure. The face of the cone has an apex angle of 60° and an area of 15 cm^2. Digital Data representing the tip resistance, friction resistance, pore water pressure, and probe inclination angle are recorded about every 2

centimeters while advancing through the ground at a rate between 1½ and 2½ centimeters per second. These measurements are correlated to various soil properties used for geotechnical design. No soil samples are gathered through this subsurface investigation technique. CPT testing was conducted in general accordance with ASTM D5778 "Standard Test Method for Performing Electronic Friction Cone and Piezocone Penetration Testing of Soils."

The sampling depths, penetration distances, and other sampling information was recorded on the field boring logs. The samples were placed in appropriate containers and taken to our soil laboratory for testing and classification by a Geotechnical Engineer. Our exploration team prepared field boring logs as part of the drilling operations. These field logs included visual classifications of the materials encountered during drilling and our interpretation of the subsurface conditions between samples. Final boring logs were prepared from the field logs. The final boring logs represent the Geotechnical Engineer's interpretation of the field logs and include modifications based on observations and tests of the samples in our laboratory.

Field Electrical Resistivity

Field measurements of soil resistivity were performed in general accordance with ASTM Test Method G57-06 using the Wenner Four-Electrode Method. Two perpendicular arrays were performed at each of the three locations with A-spacings of 2, 4, 6, 8, 10, 20, 40, and 80 feet and corresponding probe depths of 6 inches. Field resistivity test locations and results are presented in our **Exploration Plan** and **Exploration Results** sections, respectively.

Laboratory Testing

The project engineer reviewed the field data and assigned laboratory tests to understand the engineering properties of the various soil strata, as necessary, for this project. Procedural standards noted below are for reference to methodology in general. In some cases, variations to methods were applied because of local practice or professional judgment. Standards noted below include reference to other, related standards. Such references are not necessarily applicable to describe the specific test performed.

- ASTM D2216 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- ASTM D7263 Standard Test Methods for Laboratory Determination of Dry Density (Unit Weight) of Soil Specimens
- ASTM D4318 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- ASTM D1140 Standard Test Methods for Determining the Amount of Material Finer than 75-µm (No. 200) Sieve in Soils by Washing
- ASTM D4546 Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading

- ASTM D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort
- ASTM D5334 Standard Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure
- ASTM D3080 Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions
- ASTM D4829 Standard Test Method for Expansion Index of Soils
- Corrosivity Testing including pH, Chlorides, Sulfates, Sulfides, Redox Potential, and Electrical Lab resistivity

The laboratory testing program included examination of soil samples by an engineer. Based on the material's texture and plasticity, we described and classified the soil samples in accordance with the Unified Soil Classification System.

SITE LOCATION AND EXPLORATION PLANS

SITE LOCATION

Inland Empire Energy Center ■ Sun City, CA
May 14, 2021 ■ Terracon Project No. 60205266

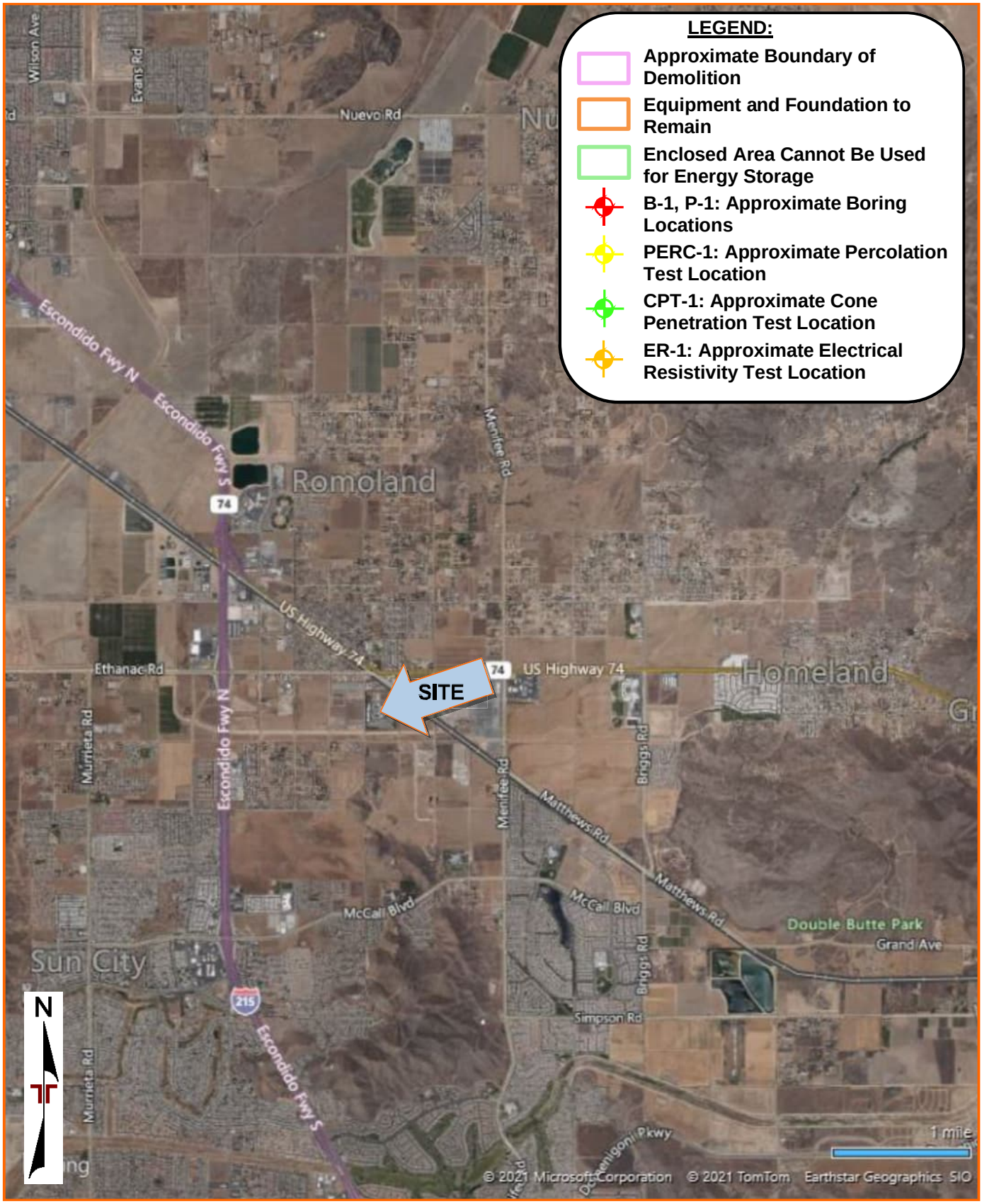


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: PERRIS, CA (1/1/1979) and ROMOLAND, CA (1/1/1979).

EXPLORATION PLAN

Inland Empire Energy Center ■ Sun City, CA
May 14, 2021 ■ Terracon Project No. 60205266

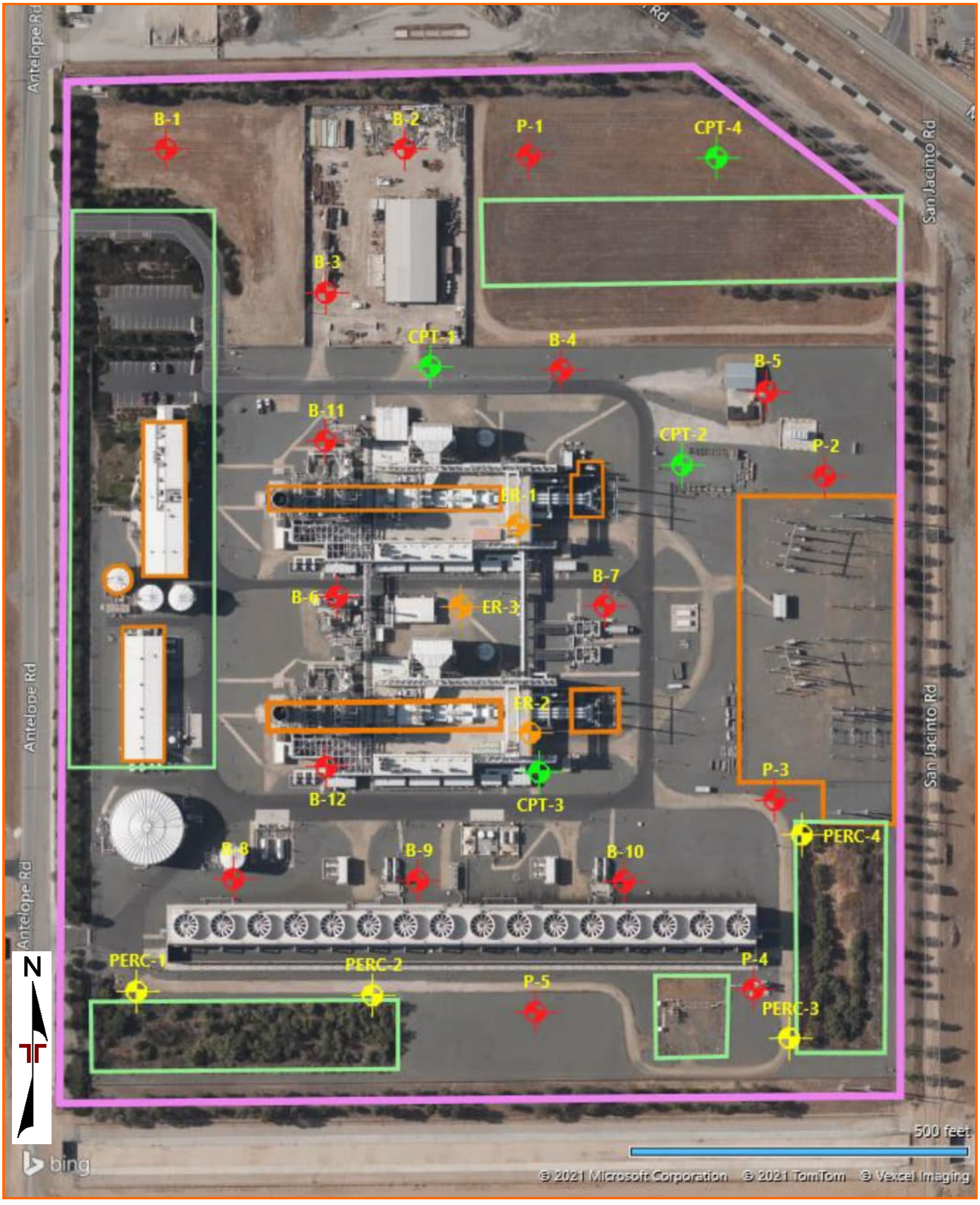


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

EXPLORATION RESULTS

BORING LOG NO. B-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7408° Longitude: -117.1711°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown very dense				50/6"								
	dense	5			17-39-50					12	125		
	7.5 **SILTY CLAYEY SAND (SC-SM)**, light brown, dense				12-27-40					14	119		
	very dense	10			20-50/6"							28-21-7	
	15.0 **SANDY SILT (ML)**, brown, hard	15			19-40-50/4"					18	108	38-29-9	
	20.0 **SILTY SAND (SM)**, dense	20			8-14-24 N=38								31
		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7408° Longitude: -117.1711° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), dense *(continued)*				9-13-22 N=35								
	30.0	30											
	SANDY SILTY CLAY (CL-ML), brown, hard				10-15-18 N=33								
	31.5												
	Boring Terminated at 31.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-2

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7408° Longitude: -117.1699°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
					15-26-44					5	127		
		5			50/6"								
					50/6"								
		10			30-50/3"								
		15			12-20-50/6"					24	98		
		20			15-30-42					23	96		

POORLY GRADED SAND WITH CLAY (SP-SC), brown

dense

dark brown, very dense

7.5

SILTY CLAYEY SAND (SC-SM), dark brown, very dense

15.0

SILT (ML), brown to light brown, hard

21.5

Boring Terminated at 21.5 Feet

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7402° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY CLAYEY SAND (SC-SM), brown to light brown													
very dense					50/5"	14						26-20-6	28
light brown		5			50/6"								
7.5													
SILTY CLAYEY SAND (SC-SM), brown and light brown, very dense					45-50/3"								
		10			20-50/4"								
15.0													
SILT (ML), light brown to brown, hard		15			10-25-50/5"					30	89		
		20			5-14-21 N=35								
25.0		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7402° Longitude: -117.1703° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY CLAY (CL-ML), brown, hard				11-16-45 N=61								
		30			11-19-40 N=59								
	31.5 ***Boring Terminated at 31.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-4

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7399° Longitude: -117.1692°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), trace clay, dark brown													
very dense					30-50/6"								45
medium dense		5			30-28-30					9	127		
7.5													
SILTY CLAYEY SAND (SC-SM), brown, very dense					30-50/4"								
10.0		10											
SILTY SAND (SM), brown to light brown, very dense					19-50/6"								
15.0		15											
SILT (ML), light brown, hard					16-27-36					38	83		
20.0		20											
SILTY SAND (SM), brown, very dense					19-36-50/4"								
21.3 white													
Boring Terminated at 21.33 Feet													

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-5

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7398° Longitude: -117.1682°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
POORLY GRADED SAND WITH SILT (SP-SM), brown to light brown													
					24-50/6"					6	106		
light brown, very dense, partial recovery													
5.0		5											
SANDY SILT (ML), trace clay, brown, very stiff					11-15-20					19	115		
7.5													
SILTY SAND (SM), brown, very dense					37-50/5"								
brown to light brown, dense to very dense		10			14-37-50/5"					11	129		
15.0		15			19-40-50/5"								
SANDY SILT (ML), brown, hard													
20.0		20			5-9-14 N=23								
CLAYEY SAND (SC), brown, medium dense													
25.0		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-5

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7398° Longitude: -117.1682°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SANDY SILT (ML), light brown, stiff				4-6-8 N=14								
	30.0	30											
	SANDY SILTY CLAY (CL-ML), brown, hard				8-16-24 N=40								
	31.5												
	Boring Terminated at 31.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-6

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.739° Longitude: -117.1702° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	FILL - CLAYEY SAND WITH GRAVEL (SC), gray												
	4.0												
	4.5 Drillable concrete material encountered. Offset boring conducted adjacent to borehole. Same obstruction encountered. Borehole terminated at 4.5 feet due to unknown subsurface conditions.												
	Boring Terminated at 4.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-7

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7389° Longitude: -117.1689°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
					30-30-24					10	130		
		5			15-22-31					10	125		
					12-20-30					13	120		
		10			8-11-24					13	119		

FILL - CLAYEY SAND (SC), brown to light brown

medium dense

7.5

FILL - SILTY SAND (SM), trace clay, brown, medium dense

14.0 traces of concrete debris in cuttings

Auger Refusal at 14 Feet

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 5/3/21

BORING LOG NO. B-8

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1708°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), trace clay, brown													
dense					10-26-34					11	114		
very dense		5			13-23-50/4"					10	131		
					33-50/3"								
		10			33-50/4"								
light brown to brown, dense		15			17-30-50/6"					13	110		
20.0													
CLAYEY SAND (SC), light brown to brown, dense		20			19-30-40					35	85		
21.5													
Boring Terminated at 21.5 Feet													

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-9

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1699°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), trace clay, light brown													
medium dense					11-13-22					10	128		
5.0		5											
CLAYEY SAND (SC), dark brown, medium dense					14-18-20								
7.5													
SILTY SAND (SM), with clay, light brown, very dense					48-50/4"					11	123		
10.0		10											
CLAYEY SAND (SC), brown, very dense					28-50/6"								
		15			30-50/5"								
20.0		20											
SANDY SILTY CLAY (CL-ML), brown, very stiff					5-18-17 N=35								
21.5													
SILTY SAND (SM), light tan		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-9

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7378° Longitude: -117.1699° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), light tan *(continued)* very dense				17-22-30 N=52								
	dense	30			15-21-20 N=41								
	31.5 ***Boring Terminated at 31.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-10

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1689°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
CLAYEY SAND (SC), trace gravel, brown													
dense					30-40-46					10	132		
5.0		5											
SILTY SAND (SM), with clay, light brown, dense					20-40-50/6"					10	128		
7.5													
CLAYEY SAND (SC), brown to light brown, dense					16-29-32					10	130		
10.0		10											
SILTY SAND (SM), trace clay, brown, dense					17-30-50/6"					13	125		
		15			19-35-50/6"								9
very dense		20			50/6"								
21.5													
Boring Terminated at 21.5 Feet													

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-11

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7396° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), trace gravel, brown													
dense					25-36-50/6"					10	129		
trace clay, light brown to brown, very dense		5			17-27-50/4"					8	128		
7.5													
POORLY GRADED SAND WITH SILT (SP-SM), trace clay, dark brown, very dense					50/5"								
brown to light brown		10			50/6"								
		15			24-45-50/4"								
20.0													
SILTY SAND (SM), brown to light brown, dense		20			8-14-27 N=41								45
		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-11

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7396° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), brown to light brown, dense *(continued)* light brown					24-24-9 N=33							NP	
light tan		30			9-22-28 N=50								
very dense		35			19-22-29 N=51								
40.0 **SANDY SILTY CLAY (CL-ML)**, brown, hard		40			19-25-36 N=61								
45.0 **SILTY SAND (SM)**, light brown and tan, dense		45			17-24-26 N=50								
		50											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-11

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7396° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), light brown and tan, dense *(continued)* very dense					14-25-27 N=52								
55.0		55											
SANDY SILTY CLAY (CL-ML), brown, hard					18-25-27 N=52								
60.0		60											
SANDY SILT (ML), brown, hard					16-22-31 N=53								
61.5													
Boring Terminated at 61.5 Feet													

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-12

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7383° Longitude: -117.1703°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	FILL - SILTY SAND (SM), trace clay, brown, traces of concrete debris												
	dense				14-26-50/6"					11	126		
	4.0 **CLAYEY SAND (SC)**, brown												
	dense	5			19-30-40					15	114		
	7.5 **SILTY SAND (SM)**, trace clay, light brown, very dense				20-50/6"								
		10			22-50/6"								
	15.0 **SANDY LEAN CLAY (CL)**, brown to light brown, very stiff	15			8-14-15 N=29							34-23-11	
	20.0 **CLAYEY SAND (SC)**, light brown, dense	20			8-13-23 N=36								
	25.0	25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-12

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7383° Longitude: -117.1703°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), light tan to light brown, very dense	30			10-22-37 N=59								
					16-24-30 N=54								
		35			24-36-38 N=74								
	40.0	40			16-20-40 N=60								
	SANDY SILT (ML), light tan to brown, hard 42.0												
	SILTY SAND (SM), light tan to light brown very dense	45			17-26-37 N=63								
		50											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-12

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7383° Longitude: -117.1703° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), light tan to light brown *(continued)*				26-35-40 N=75								
	55.0 **SANDY SILT (ML)**, brown, very stiff	55			9-14-15 N=29								
	hard 61.5	60			6-25-41 N=66								
	Boring Terminated at 61.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7408° Longitude: -117.1693° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), dark brown to brown												
	dense	5			25-35-50/6"					9	130		
	6.5												
	Boring Terminated at 6.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-2

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7395° Longitude: -117.1679° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	POORLY GRADED SAND WITH SILT (SP-SM), brown to light brown												
	very dense				24-50/6"					7	123		
	4.0 **CLAYEY SAND (SC)**, light brown	5											
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7381° Longitude: -117.1681° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown loose	5			5-8-10					11	121		40
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-4

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7374° Longitude: -117.1682°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown very dense	5			17-50/6"								
	6.5												
	Boring Terminated at 6.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-5

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7373° Longitude: -117.1693° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown, to very dense	5			28-50/6"								
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7377° Longitude: -117.1711°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), dark brown												
	dense	5			10-28-36					10	125		
	6.5												
	Boring Terminated at 6.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-2

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1686°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), dark brown and black, foul odor												
	very dense	5			50/6"								
	7.5												
	CLAYEY SAND (SC), brown to dark brown, dense				31-33-42								34
	11.5	10											
	Boring Terminated at 11.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7378° Longitude: -117.1694° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown dense	5			18-35-42								35
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-4

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.17°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
CLAYEY SAND (SC), brown													
very dense		5			30-50/5"					12	123		
7.5													
SILTY SAND (SM), trace clay, light brown to brown, dense					15-28-43								19
11.5		10											
Boring Terminated at 11.5 Feet													

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

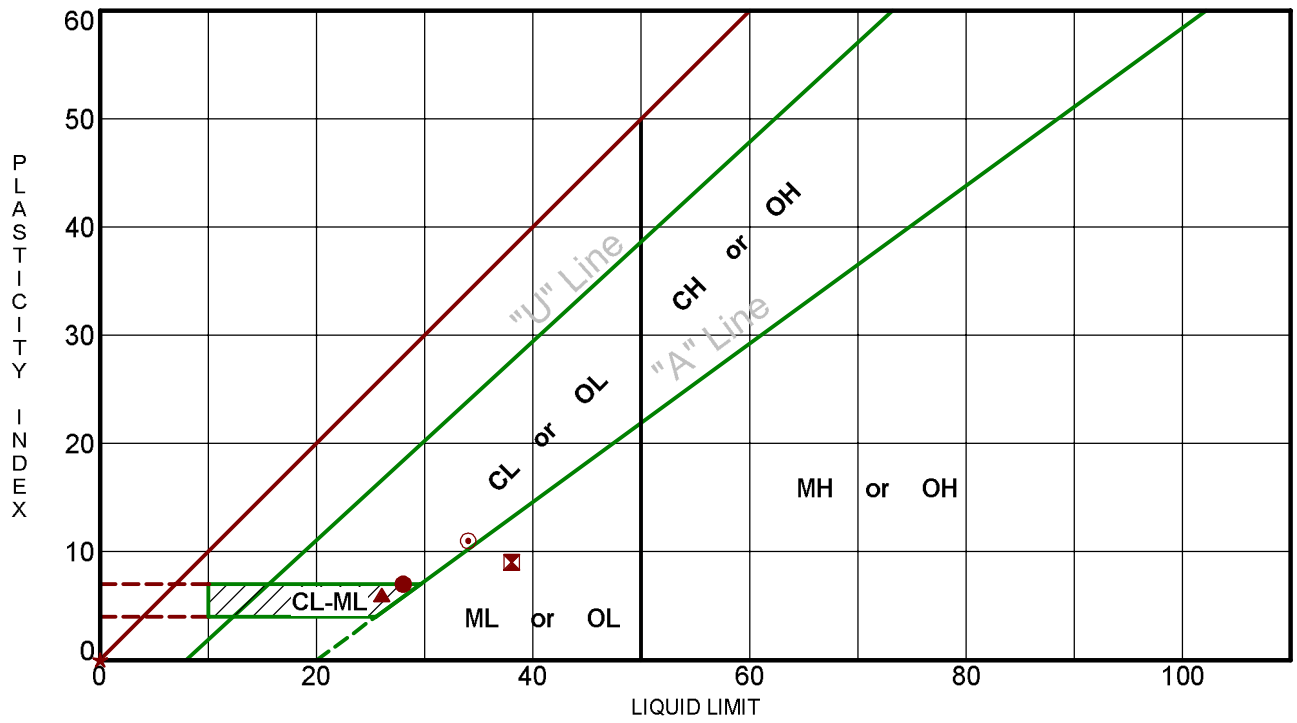
Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

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ATTERBERG LIMITS RESULTS

ASTM D4318



Boring ID		Depth	LL	PL	PI	Fines	USCS	Description
●	B-1	10 - 11	28	21	7		SC-SM	SILTY CLAYEY SAND
⊠	B-1	15 - 16.3	38	29	9		ML	SANDY SILT
▲	B-3	1 - 3.5	26	20	6	27.6	SC-SM	SILTY, CLAYEY SAND
★	B-11	25 - 26.5	NP	NP	NP		SM	SILTY SAND
⊙	B-12	15 - 16.5	34	23	11		CL	SANDY LEAN CLAY

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

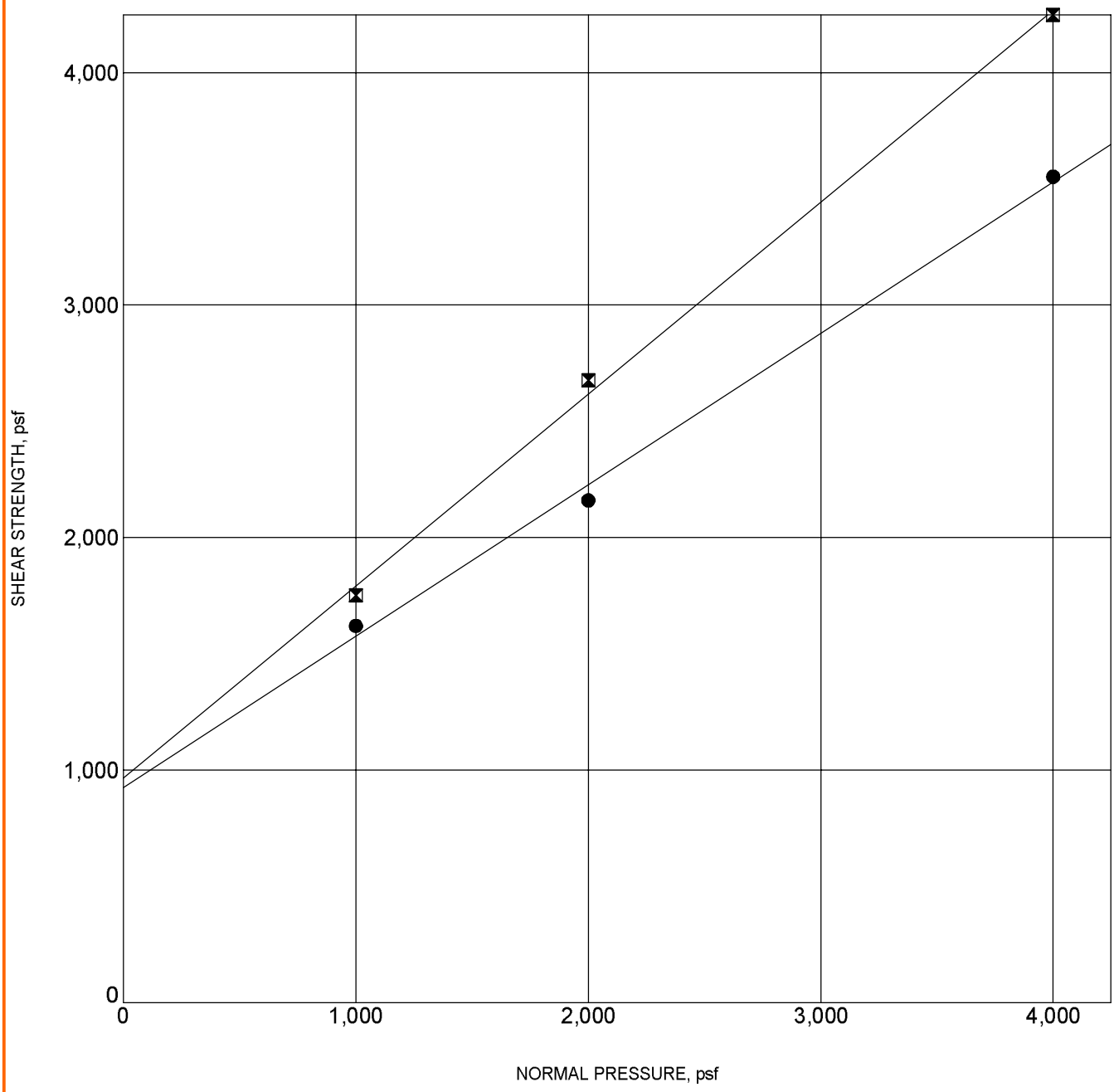
SITE: 26226 Antelope Road
Sun City, CA

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1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ATTERBERG LIMITS 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/27/21

DIRECT SHEAR TEST ASTM D3080



Specimen Identification			Classification	γ_d, pcf	WC,%	c, psf	ϕ°
●	B-1	7.5ft	SILTY CLAYEY SAND (SC-SM)	119	14	924	33
⊠	B-10	5.0ft	CLAYEY SAND (SC)	128	10	966	40

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

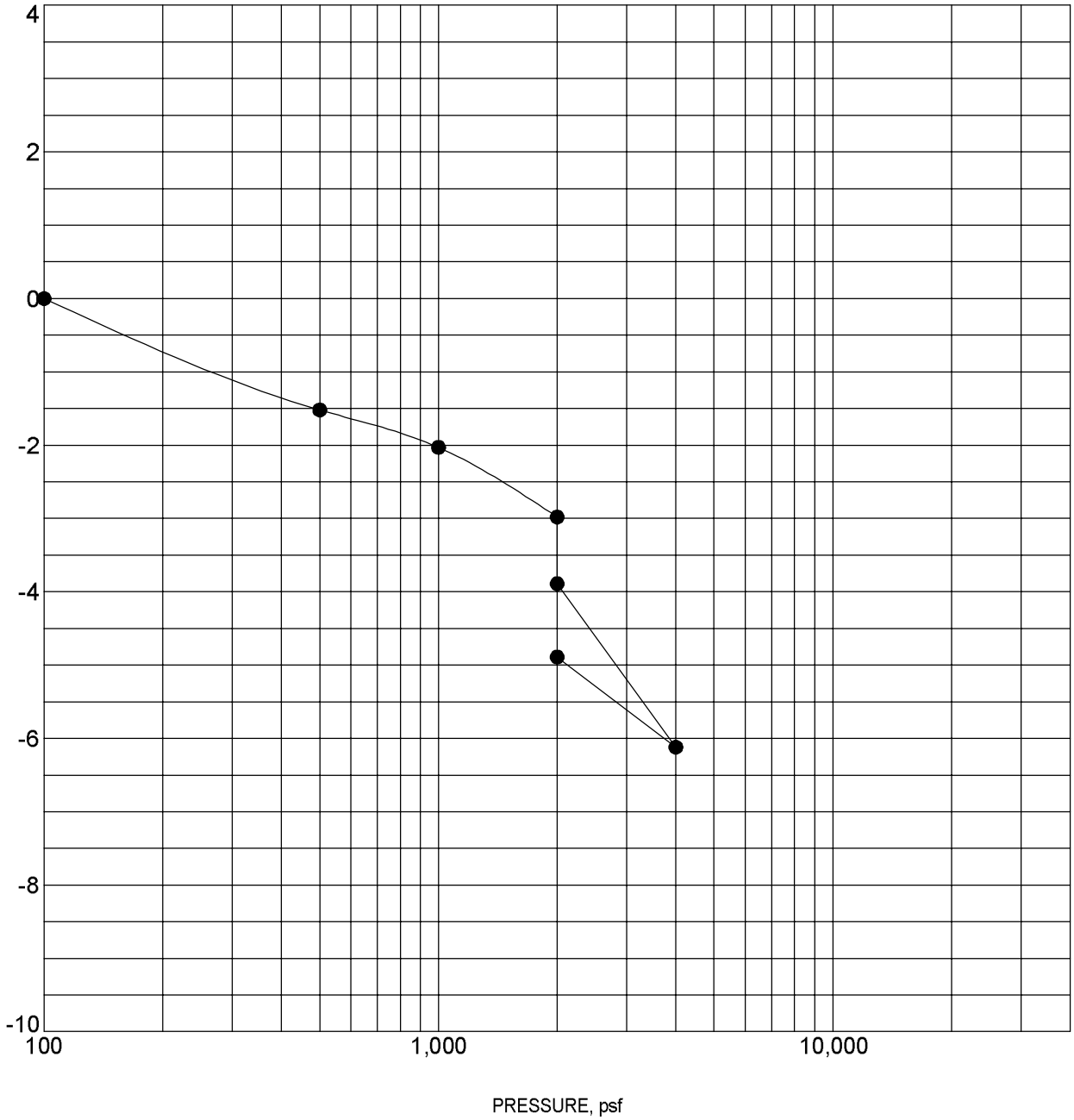
Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. TC_DIRECT_SHEAR 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

SWELL CONSOLIDATION TEST

ASTM D4546



Specimen Identification			Classification	γ_d, pcf	WC, %
●	B-1	5 - 6.5 ft	CLAYEY SAND	125	12

NOTES: Water added at 2,000 psf

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

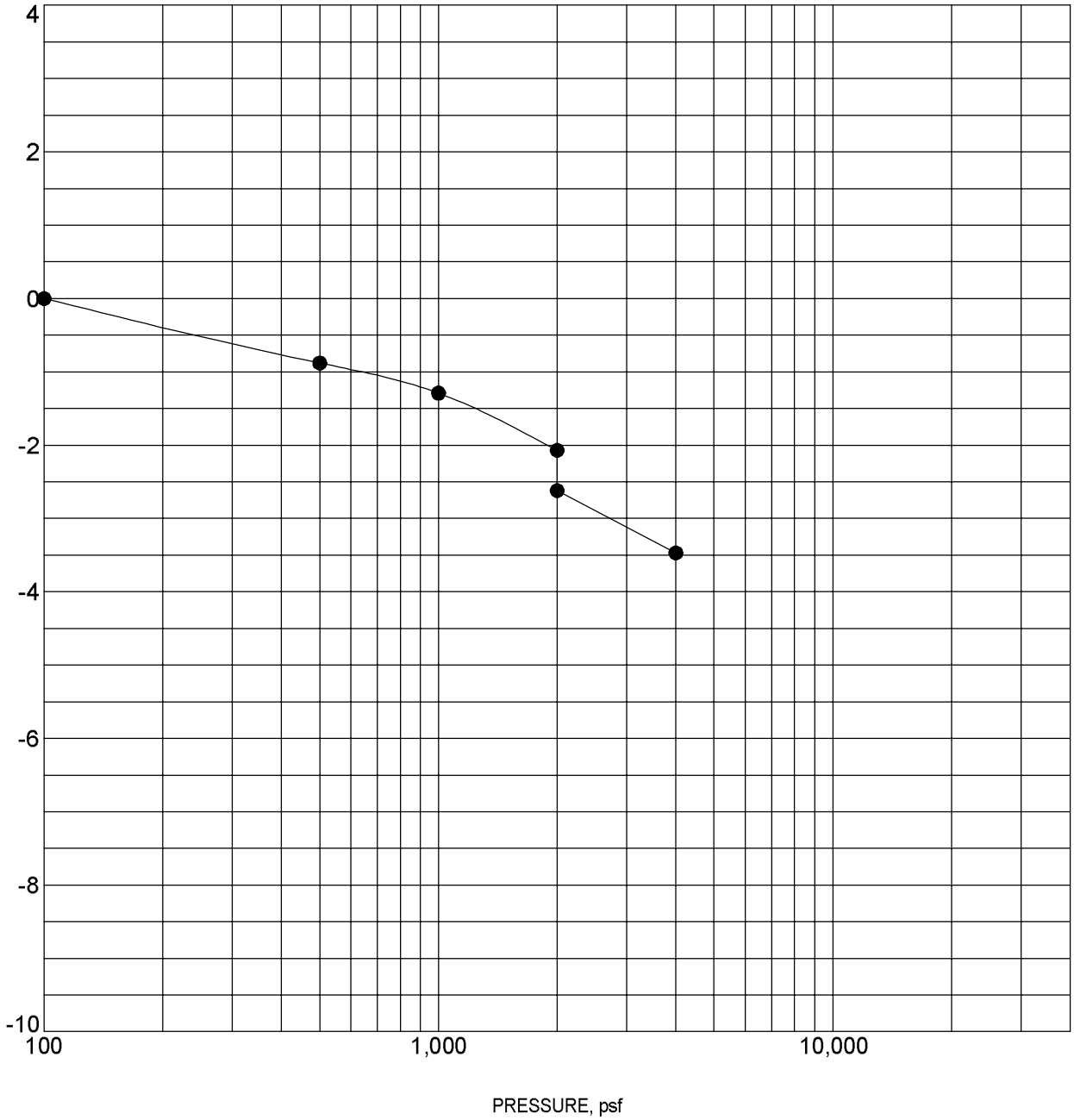
Terracon
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Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

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SWELL CONSOLIDATION TEST

ASTM D4546



Specimen Identification			Classification	γ_d, pcf	WC, %
●	B-12	5 - 6.5 ft	CLAYEY SAND	114	15

NOTES: Water added at 2,000 psf

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

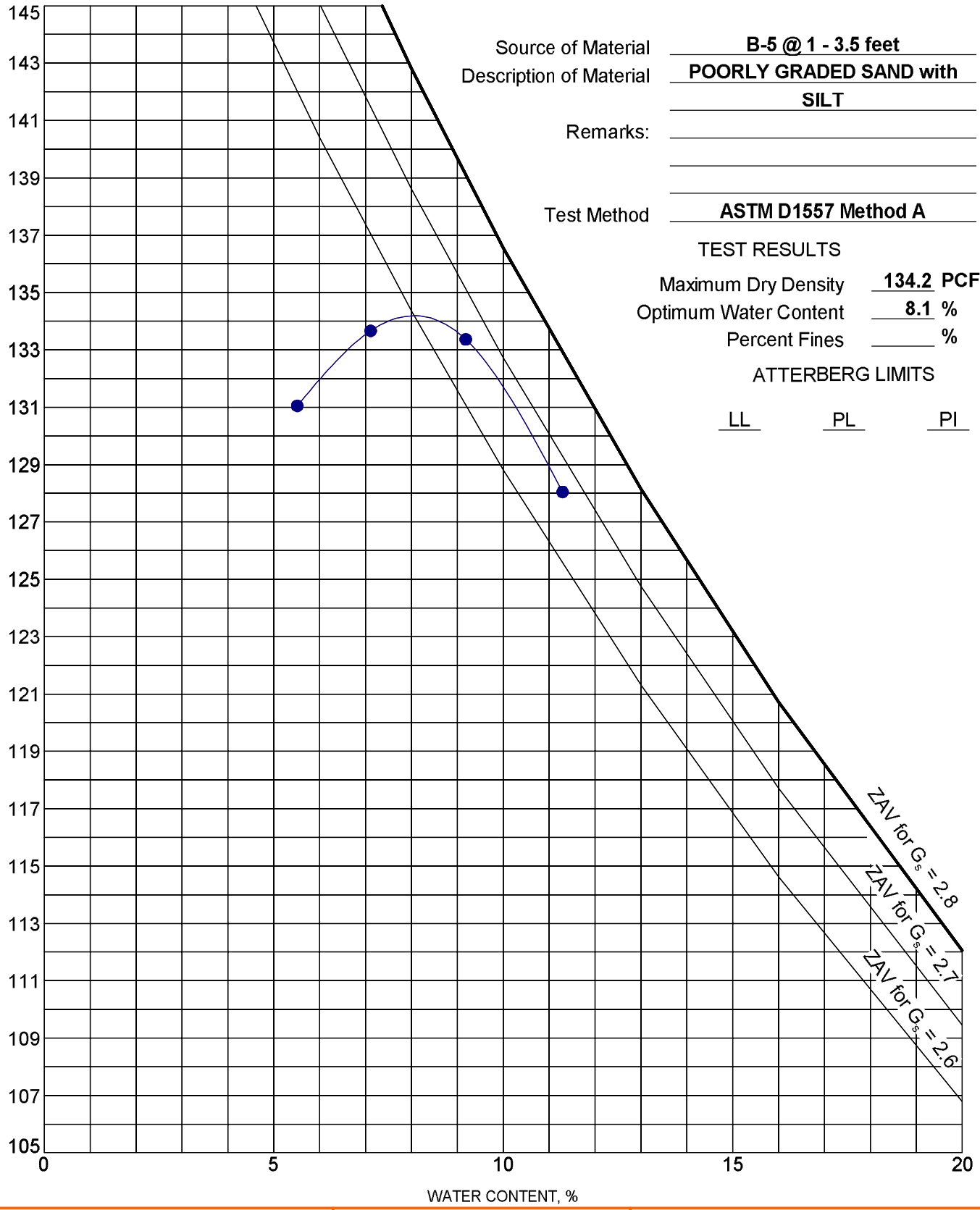
Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. TC_CONSOL_STRAIN-USCS 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

MOISTURE-DENSITY RELATIONSHIP

ASTM D698/D1557



Source of Material: B-5 @ 1 - 3.5 feet

Description of Material: POORLY GRADED SAND with SILT

Remarks:

Test Method: ASTM D1557 Method A

TEST RESULTS

Maximum Dry Density	134.2	PCF
Optimum Water Content	8.1	%
Percent Fines		%

ATTERBERG LIMITS

LL	PL	PI

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. COMPACTION - V1 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/27/21

750 Pilot Road, Suite F
Las Vegas, Nevada 89119
(702) 597-9393

Client
Calpine Corporation

Project
Inland Empire Energy Center

Sample Submitted By: Terracon (60) **Date Received:** 4/22/2021 **Lab No.: 21-0369**

Results of Corrosion Analysis

Sample Number	--	--	--
Sample Location	B-3	B-5	B-9
Sample Depth (ft.)	1.0-3.5	1.0-3.5	1.0-4.0
pH Analysis, ASTM G 51	8.12	7.62	8.30
Water Soluble Sulfate (SO4), ASTM C 1580 (percent %)	<0.01	0.02	0.03
Sulfides, AWWA 4500-S D, (mg/kg)	Nil	Nil	Nil
Chlorides, ASTM D 512, (mg/kg)	140	70	160
Red-Ox, ASTM G 200, (mV)	+683	+689	+685
Total Salts, AWWA 2540, (mg/kg)	2050	290	1355
Minimum Resistivity (Saturated), ASTM G 57, (ohm-cm)	194	3783	1164

Analyzed By: Trisha Campo

Trisha Campo
Chemist

The tests were performed in general accordance with applicable ASTM and AWWA test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

21239 FM529 Rd., Bldg. F
Cypress, TX 77433
Tel: 281-985-9344
Fax: 832-427-1752
info@geothermusa.com
http://www.geothermusa.com

May 3, 2021

Terracon
1421 Edinger Avenue, Suite C
Tustin, CA 92780
Attn: Joshua R. Morgan, P.E.

Re: Thermal Analysis of Native Soil Samples
Inland Empire Energy Center – Menifee, CA (Project No. 60205266)

The following is the report of thermal dryout characterization tests conducted on two (2) soil samples from the referenced project received at our laboratory.

Thermal Resistivity Tests: The samples were reconstituted at the 'optimum' moisture content; sample B-5 was tested at 90% of the maximum dry density and sample B-9 was tested at the specified density **provided by Terracon**. The tests were conducted in accordance with the IEEE standard 442-2017. The results are tabulated below and the thermal dryout curves are presented in **Figures 1 to 2.**

Sample ID, Description, Thermal Resistivity, Moisture Content and Density

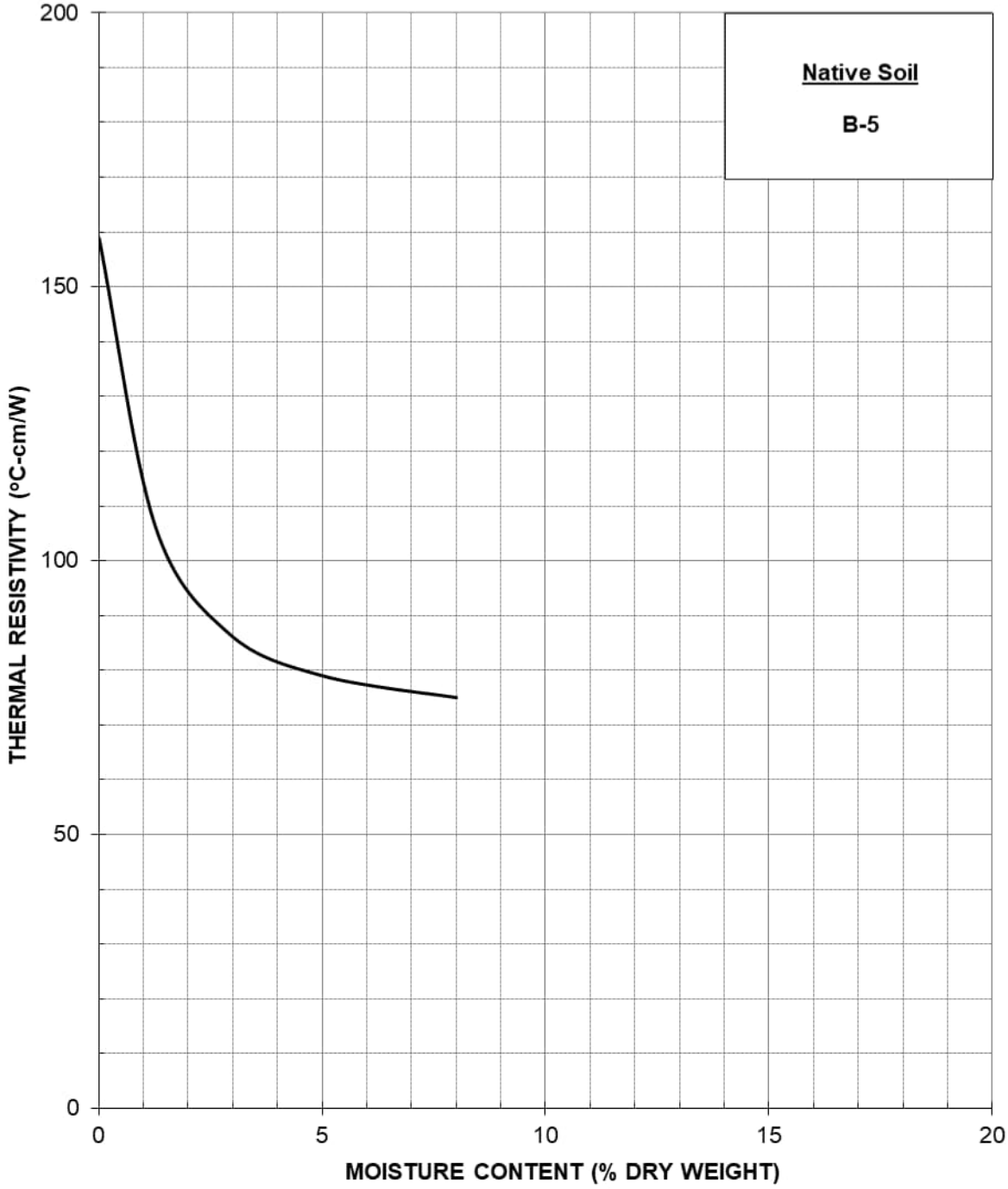
Sample ID	Effort %	Depth (ft)	Description (Terracon)	Thermal Resistivity (°C-cm/W)		Moisture Content (%)	Dry Density (lb/ft^3)
				Wet	Dry		
B-5	90%	1'-3'	Silty sand	75	159	8	121
B-9	1	1'-3'	Silty sand	71	124	11	127

Please contact us if you have any questions or if we can be of further assistance.

Geotherm USA

Nimesh Patel

THERMAL DRYOUT CURVE



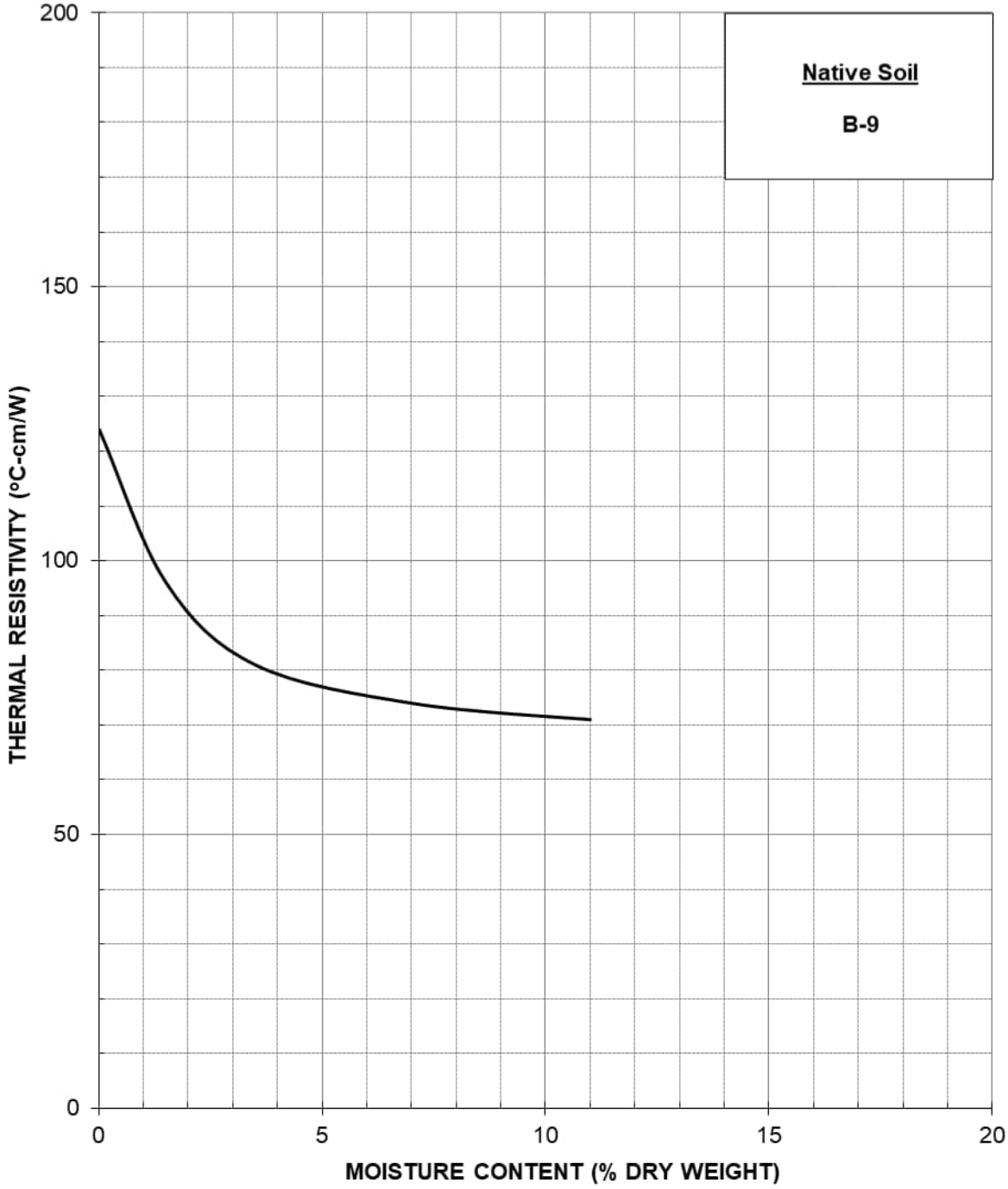
Terracon (Project No. 60205266)

Thermal Analysis of Native Soils

Inland Empire Energy Center - Menifee, CA

May 2021 **Figure 1**

THERMAL DRYOUT CURVE



Terracon (Project No. 60205266)

Thermal Analysis of Native Soils

Inland Empire Energy Center - Menifee, CA

May 2021 **Figure 2**

SUMMARY

OF

CONE PENETRATION TEST DATA

Project:

Inland Empire Energy
Sun City, CA
April 12, 2021

Prepared for:

Mr. Ryan Hankes
Terracon Consultants, Inc.
1421 Edinger Avenue, Ste C
Tustin, CA 92780
Office (949) 261-0051 / Fax (949) 261-6110

Prepared by:

KEHOE TESTING & ENGINEERING
5415 Industrial Drive
Huntington Beach, CA 92649-1518
Office (714) 901-7270 / Fax (714) 901-7289
www.kehoetesting.com

TABLE OF CONTENTS

1. **INTRODUCTION**
2. **SUMMARY OF FIELD WORK**
3. **FIELD EQUIPMENT & PROCEDURES**
4. **CONE PENETRATION TEST DATA & INTERPRETATION**

APPENDIX

- CPT Plots
- CPT Classification/Soil Behavior Chart
- Summary of Shear Wave Velocities
- CPT Data Files (sent via email)

SUMMARY

OF

CONE PENETRATION TEST DATA

1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the Inland Empire Energy project located in Sun City, California. The work was performed by Kehoe Testing & Engineering (KTE) on April 12, 2021. The scope of work was performed as directed by Terracon Consultants, Inc. personnel.

2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at five locations to determine the soil lithology. A summary is provided in **TABLE 2.1**.

LOCATION	DEPTH OF CPT (ft)	COMMENTS/NOTES:
CPT-1	77	Refusal
CPT-2	50	
CPT-3	50	
CPT-4	5	Refusal
CPT-4A	4	Refusal

TABLE 2.1 - Summary of CPT Soundings

3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm^2 cone and recorded the following parameters at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

At location CPT-1, shear wave measurements were obtained at various depths. The shear wave is generated using an air-actuated hammer, which is located inside the front jack of the CPT rig. The cone has a triaxial geophone, which recorded the shear wave signal generated by the air hammer.

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for up to 2 years for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil behavior type on the CPT plots is derived from the attached CPT SBT plot (Robertson, "Interpretation of Cone Penetration Test…", 2009) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

The CPT data files have also been provided. These files can be imported in CPeT-IT (software by GeoLogismiki) and other programs to calculate various geotechnical parameters.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING



Steven P. Kehoe
President

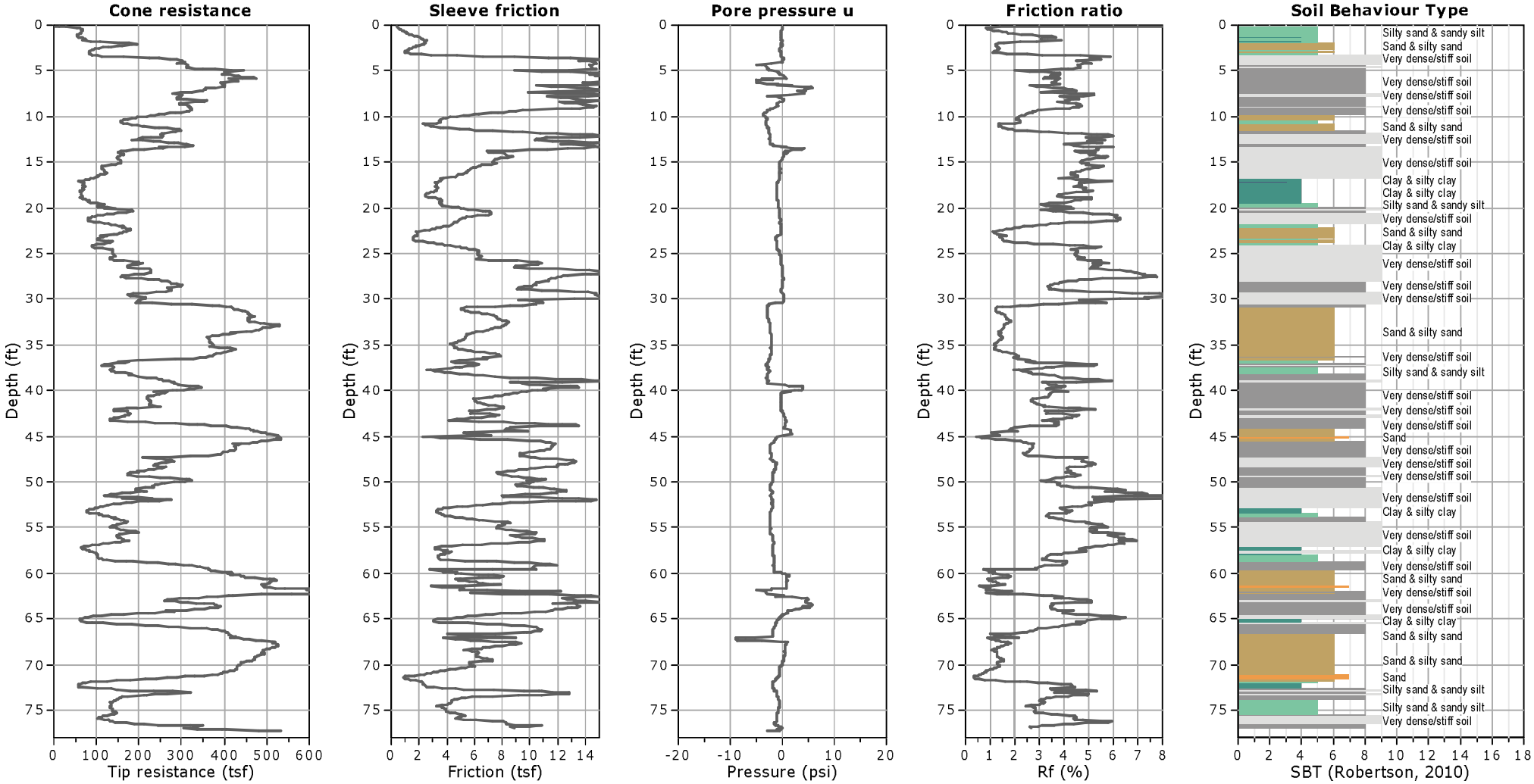
04/20/21-ca-2580

APPENDIX

Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: Terracon Consultants / Inland Empire Energy
Location: Sun City, CA

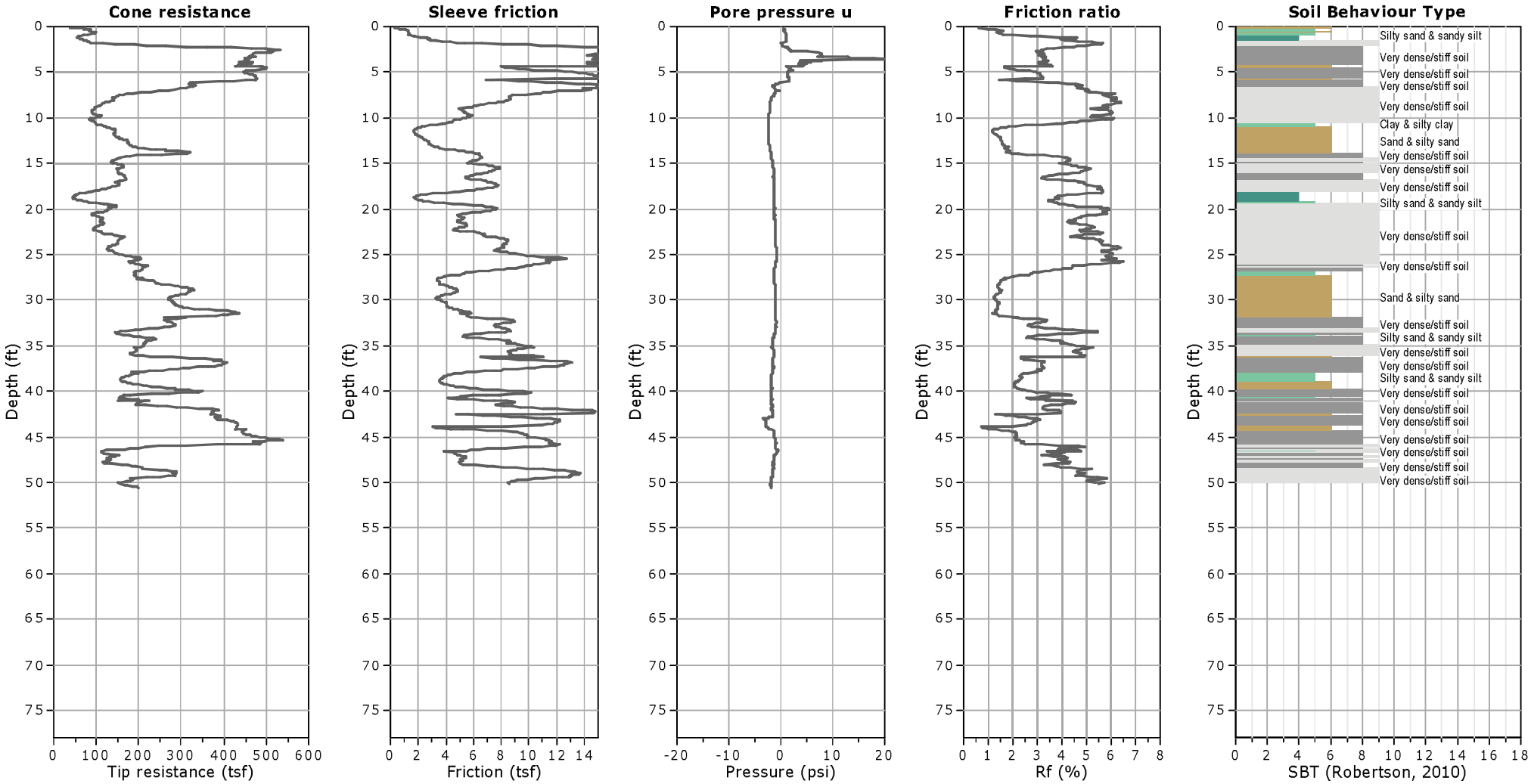
CPT-1
Total depth: 77.30 ft, Date: 4/12/2021



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714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: Terracon Consultants / Inland Empire Energy
Location: Sun City, CA

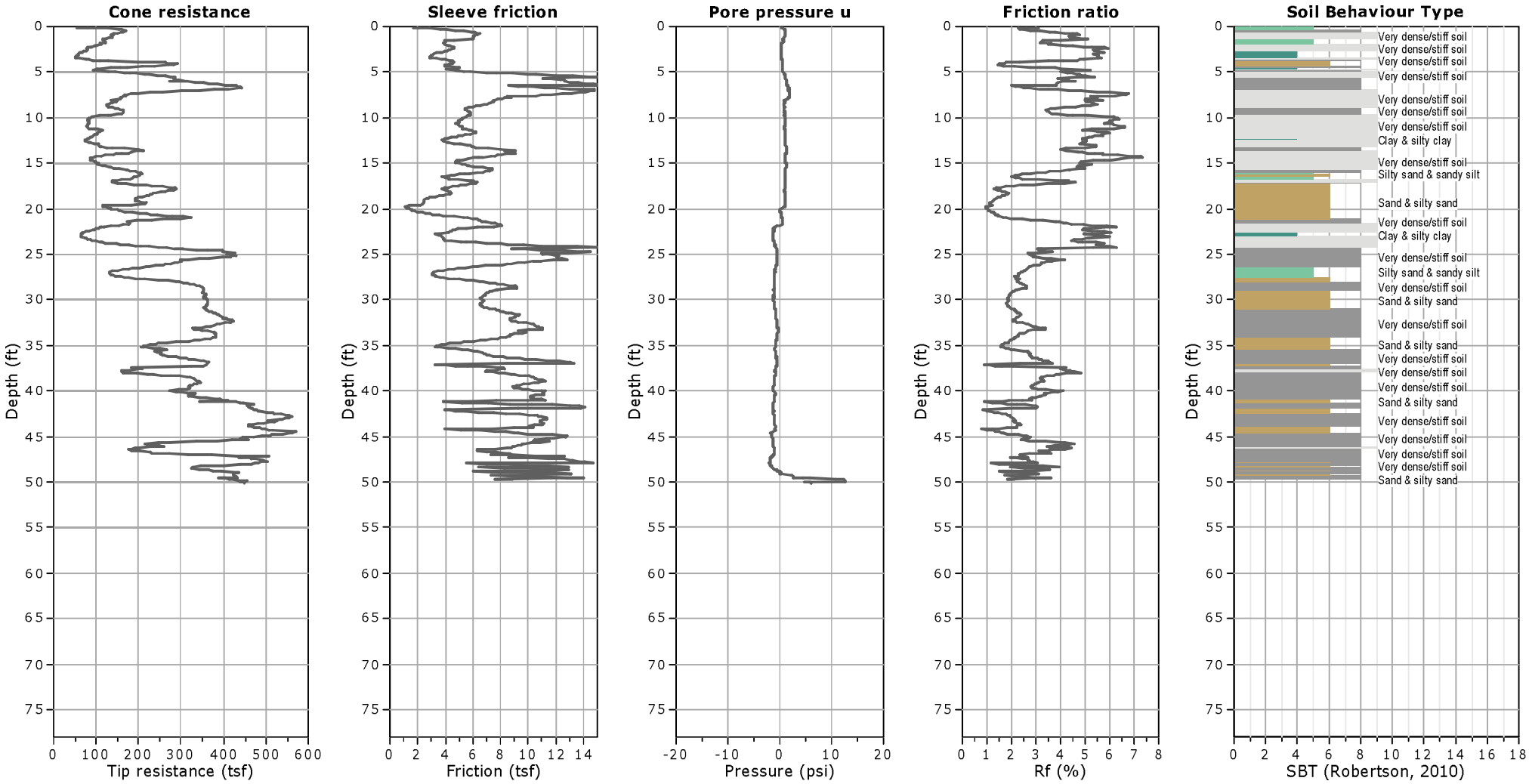
CPT-2
Total depth: 50.53 ft, Date: 4/12/2021



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Project: Terracon Consultants / Inland Empire Energy
Location: Sun City, CA

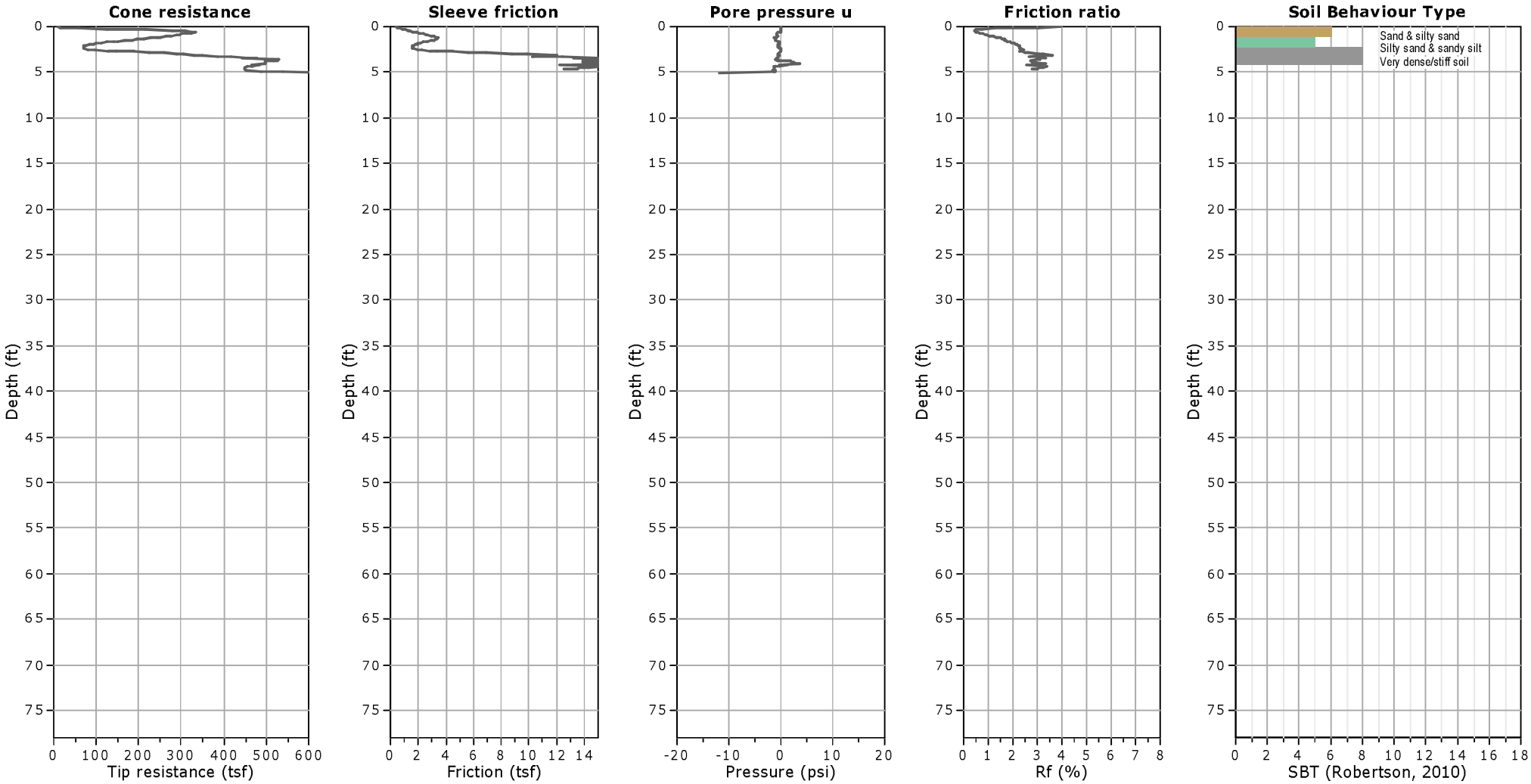
CPT-3
Total depth: 50.14 ft, Date: 4/12/2021



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Location: Sun City, CA

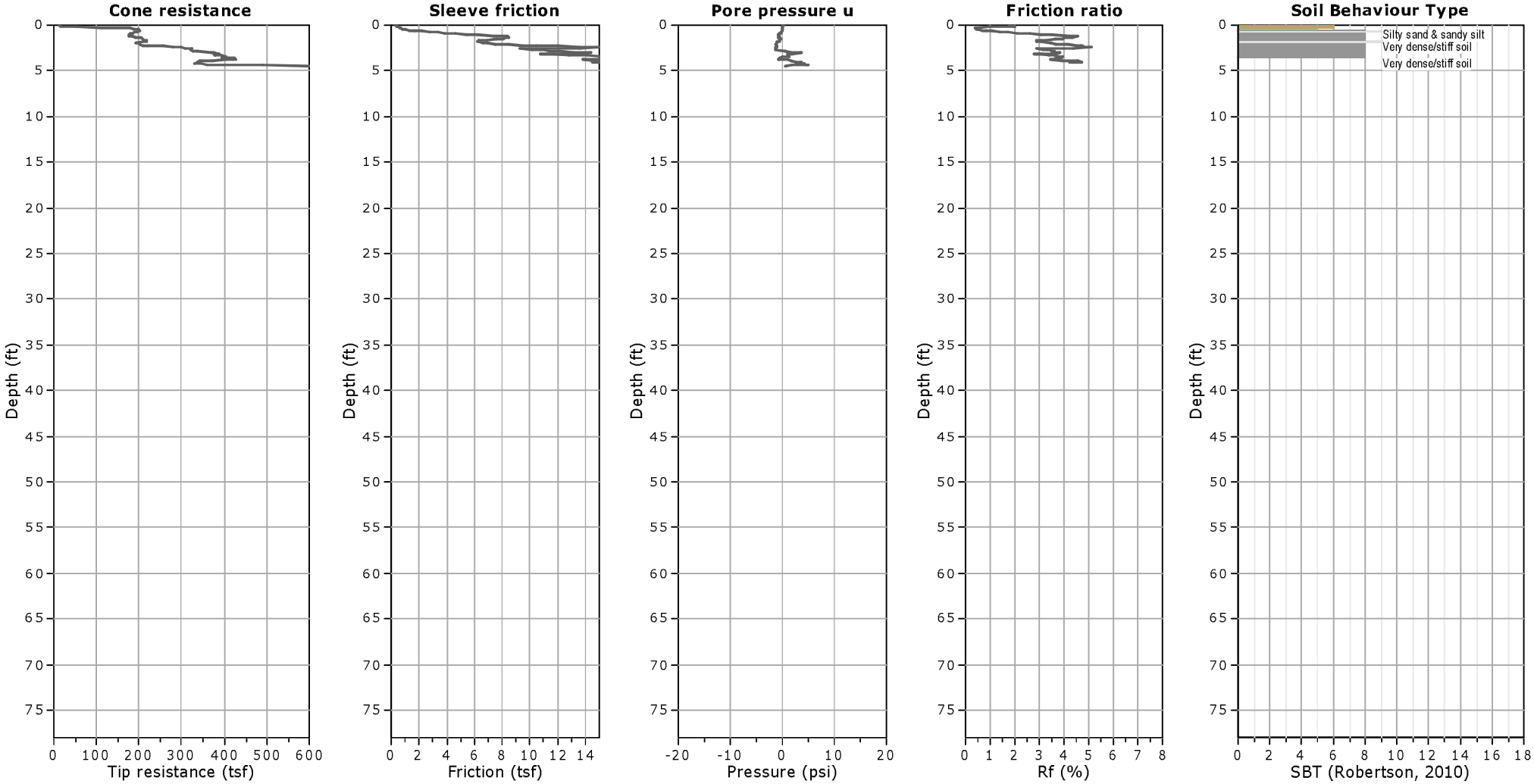
CPT-4
Total depth: 5.06 ft, Date: 4/12/2021



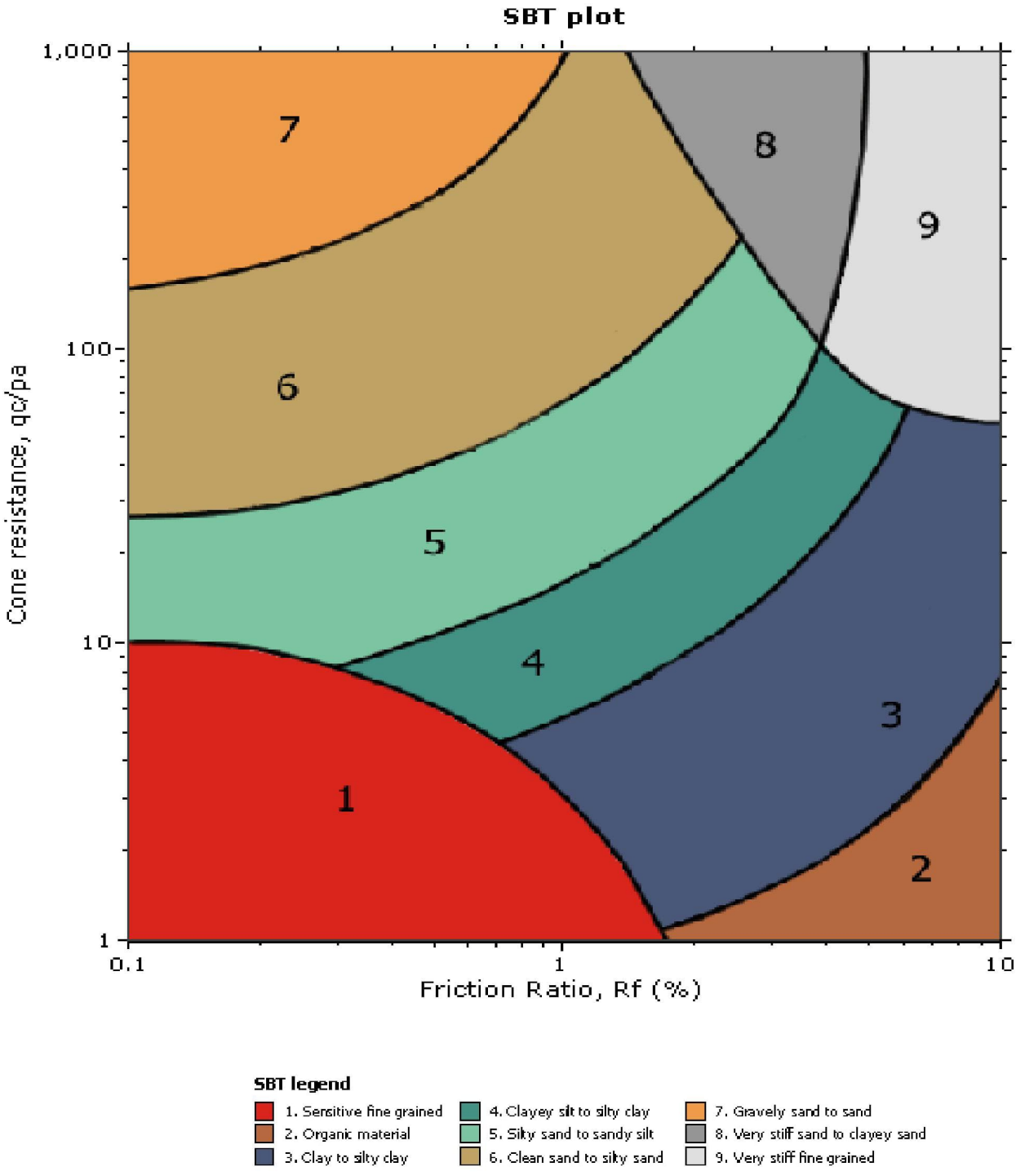
Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: Terracon Consultants / Inland Empire Energy
Location: Sun City, CA

CPT-4A
Total depth: 4.47 ft, Date: 4/12/2021



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steve@kehoetesting.com
www.kehoetesting.com



Terracon Consultants
Inland Empire Energy
Sun City, CA

CPT Shear Wave Measurements

Location	Tip Depth (ft)	Geophone Depth (ft)	Travel Distance (ft)	S-Wave Arrival (msec)	S-Wave Velocity from Surface (ft/sec)	Interval S-Wave Velocity (ft/sec)
CPT-1	10.01	9.01	9.23	7.60	1214	
	20.08	19.08	19.18	14.44	1329	1455
	30.05	29.05	29.12	20.44	1425	1656
	40.06	39.06	39.11	25.36	1542	2031
	50.10	49.10	49.14	31.04	1583	1766
	60.79	59.79	59.82	37.80	1583	1580
	70.01	69.01	69.04	43.96	1570	1496
	77.26	76.26	76.29	49.26	1549	1367

Shear Wave Source Offset - 2 ft

S-Wave Velocity from Surface = Travel Distance/S-Wave Arrival
Interval S-Wave Velocity = (Travel Dist2-Travel Dist1)/(Time2-Time1)

FIELD ELECTRICAL RESISTIVITY TEST DATA

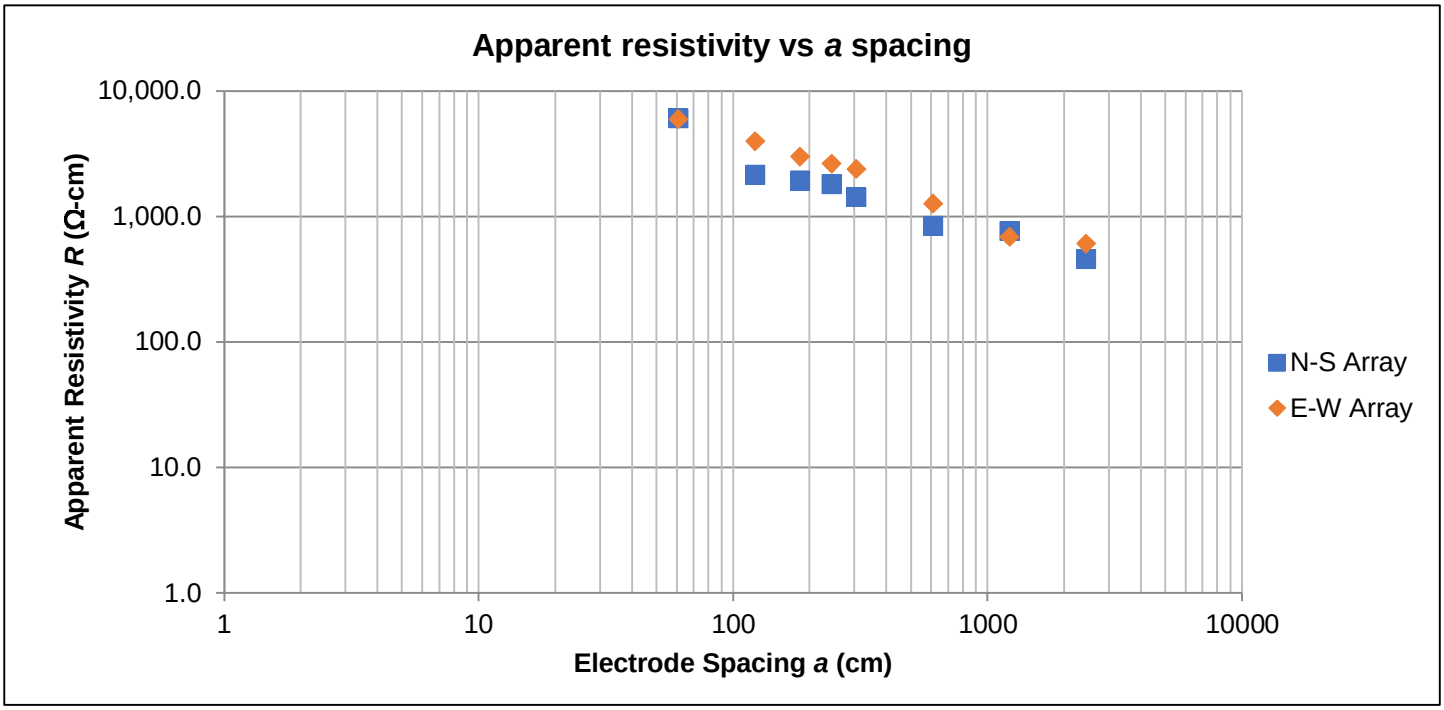
Inland Empire Energy Center ■ Sun City, Riverside, CA
April 14, 2021 ■ Terracon Project No. 60205266

Terracon GeoReport

Array Loc.	ER-1		
Instrument	Mini Sting	**Weather**	clear skies, 80 degrees
Serial #	S1708249	**Ground Cond.**	Graded and covered with gravel
Cal. Check	1/12/2022	**Tested By**	AS
Test Date	April 14, 2021	**Method**	Wenner 4-pin (ASTM G57-06 (2012); IEEE 81-2012)
Notes & Conflicts			

Apparent resistivity ρ is calculated as : $$\rho = \frac{4\pi a R}{1 + \frac{2a}{\sqrt{a^2 + 4b^2}} - \frac{a}{\sqrt{a^2 + b^2}}}$$

Electrode Spacing *a*		**Electrode Depth *b***		**N-S Test**		**E-W Test**	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance *R*	Apparent Resistivity ρ	Measured Resistance *R*	Apparent Resistivity ρ
				Ω	(Ω-cm)	Ω	(Ω-cm)
2	61	6	15	14.50	6090	14.30	6010
4	122	6	15	2.75	2160	5.07	3990
6	183	6	15	1.67	1940	2.60	3020
8	244	6	15	1.18	1820	1.72	2650
10	305	12	30	0.74	1440	1.23	2400
20	610	12	30	0.22	850	0.33	1270
40	1219	12	30	0.10	770	0.09	690
80	2438	12	30	0.03	460	0.04	610



FIELD ELECTRICAL RESISTIVITY TEST DATA

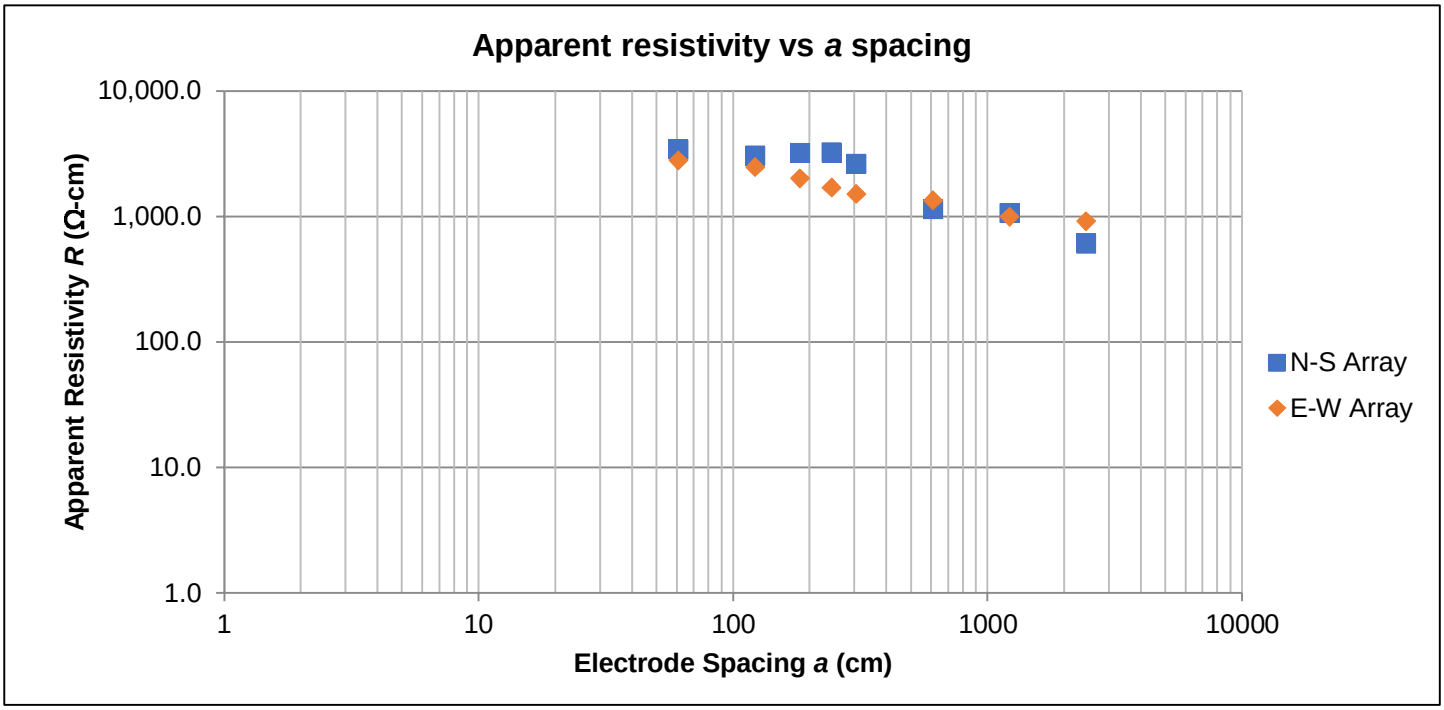
Inland Empire Energy Center ■ Sun City, Riverside, CA
April 14, 2021 ■ Terracon Project No. 60205266

Terracon GeoReport

Array Loc.	ER-2		
Instrument	Mini Sting	**Weather**	clear skies, 80 degrees
Serial #	S1708249	**Ground Cond.**	Graded and covered with gravel
Cal. Check	1/12/2022	**Tested By**	AS
Test Date	April 14, 2021	**Method**	Wenner 4-pin (ASTM G57-06 (2012); IEEE 81-2012)
Notes & Conflicts			

Apparent resistivity ρ is calculated as : $$\rho = \frac{4\pi aR}{1 + \frac{2a}{\sqrt{a^2 + 4b^2}} - \frac{a}{\sqrt{a^2 + b^2}}}$$

Electrode Spacing *a*		**Electrode Depth *b***		**N-S Test**		**E-W Test**	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance *R*	Apparent Resistivity ρ	Measured Resistance *R*	Apparent Resistivity ρ
				Ω	(Ω-cm)	Ω	(Ω-cm)
2	61	6	15	8.15	3430	6.69	2810
4	122	6	15	3.92	3080	3.17	2490
6	183	6	15	2.76	3210	1.74	2020
8	244	6	15	2.11	3260	1.11	1710
10	305	12	30	1.35	2630	0.78	1520
20	610	12	30	0.30	1150	0.35	1350
40	1219	12	30	0.14	1070	0.13	1000
80	2438	12	30	0.04	610	0.06	920



FIELD ELECTRICAL RESISTIVITY TEST DATA

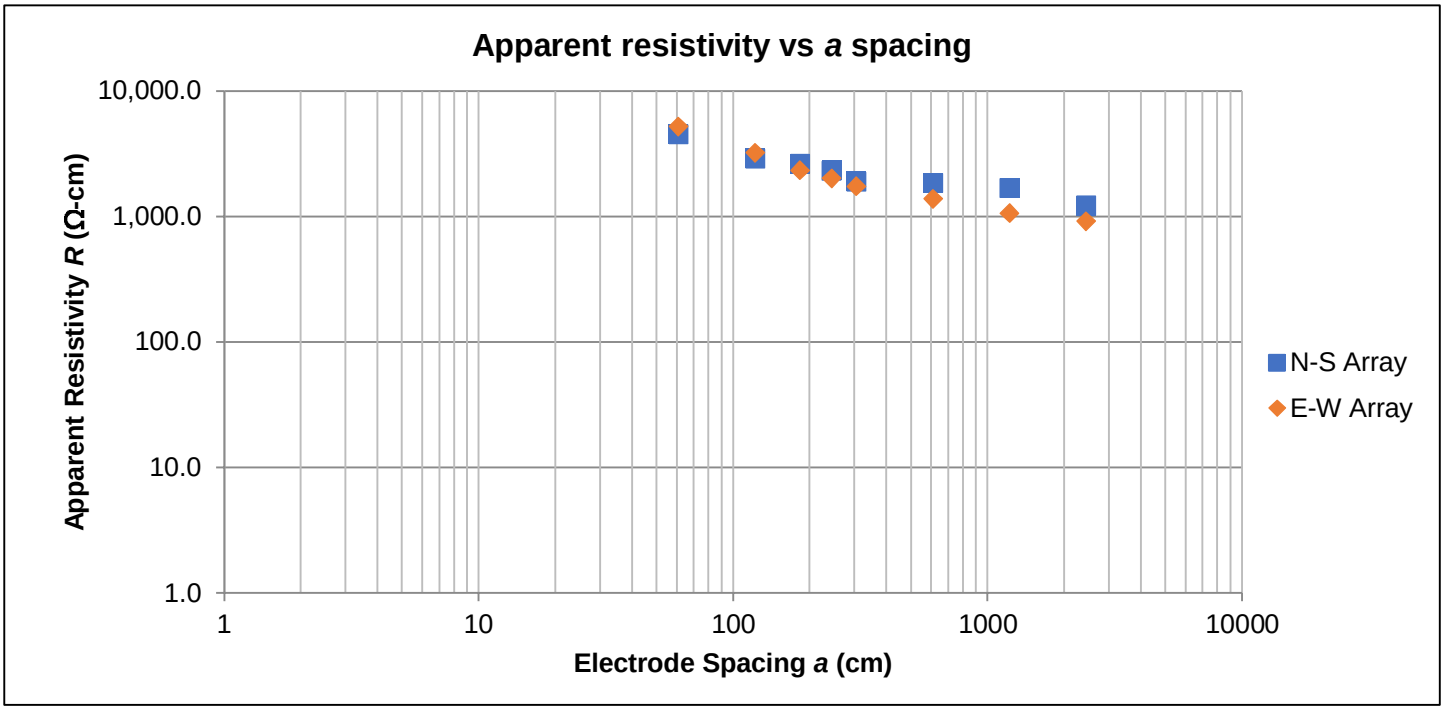
Inland Empire Energy Center ■ Sun City, Riverside, CA
April 14, 2021 ■ Terracon Project No. 60205266

Terracon GeoReport

Array Loc.	ER-3		
Instrument	Mini Sting	**Weather**	clear skies, 80 degrees
Serial #	S1708249	**Ground Cond.**	Graded and covered with gravel
Cal. Check	1/12/2022	**Tested By**	AS
Test Date	April 14, 2021	**Method**	Wenner 4-pin (ASTM G57-06 (2012); IEEE 81-2012)
Notes & Conflicts			

Apparent resistivity ρ is calculated as : $$\rho = \frac{4\pi aR}{1 + \frac{2a}{\sqrt{a^2 + 4b^2}} - \frac{a}{\sqrt{a^2 + b^2}}}$$

Electrode Spacing *a*		**Electrode Depth *b***		**N-S Test**		**E-W Test**	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance *R*	Apparent Resistivity ρ	Measured Resistance *R*	Apparent Resistivity ρ
				Ω	(Ω-cm)	Ω	(Ω-cm)
2	61	6	15	10.80	4540	12.50	5250
4	122	6	15	3.71	2920	4.12	3240
6	183	6	15	2.26	2630	2.02	2350
8	244	6	15	1.51	2330	1.31	2020
10	305	12	30	0.98	1910	0.90	1750
20	610	12	30	0.48	1850	0.36	1390
40	1219	12	30	0.22	1690	0.14	1070
80	2438	12	30	0.08	1230	0.06	920



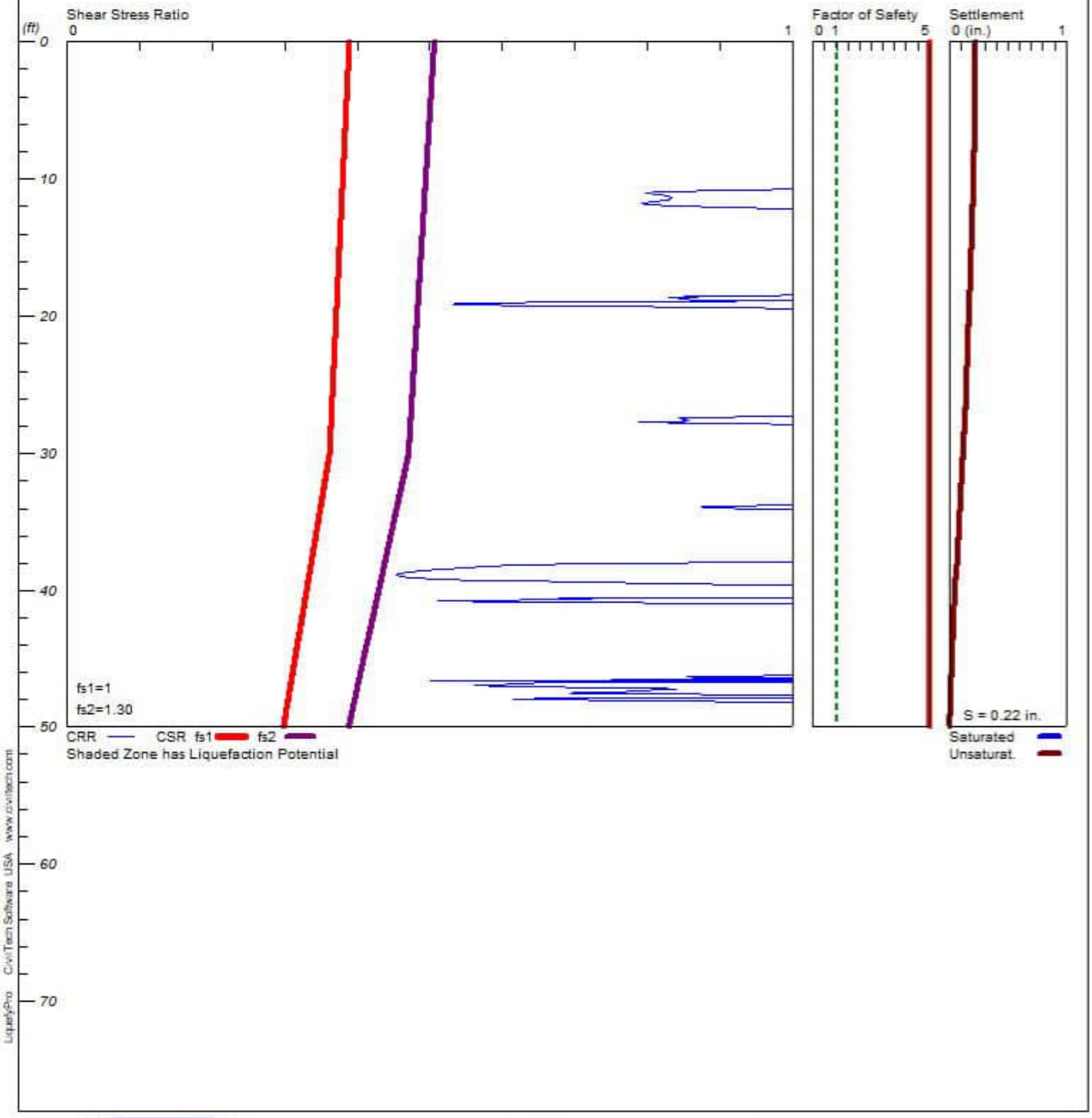
SUPPORTING INFORMATION

LIQUEFACTION ANALYSIS

Inland Empire Energy Center

Hole No.=CPT-2 Water Depth=80 ft

Magnitude=7.1
Acceleration=0.60g



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LIQUEFACTION ANALYSIS SUMMARY

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Input File Name: C:\Users\vvnguyen\OneDrive - Terracon Consultants Inc\Desktop\Liquefaction\60205266\CPT-2.liq
Title: Inland Empire Energy Center
Subtitle: 60205266

Surface Elev.=
Hole No.=CPT-2
Depth of Hole= 50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration= 0.6 g
Earthquake Magnitude= 7.10

Input Data:
Surface Elev.=
Hole No.=CPT-2
Depth of Hole=50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration=0.6 g
Earthquake Magnitude=7.10
No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. CPT Calculation Method: Modify Robertson*
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
9. User request factor of safety (apply to CSR) , User= 1.3
   Plot two CSR (fs1=1, fs2=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:

Depth	qc	fs	Rf	gamma	Fines	D50
ft	atm	atm	pcf	%	mm	

0.00	0.28	0.16	57.86	125.00	0.00	0.50
1.22	55.89	2.47	4.41	125.00	0.00	0.50
2.37	465.40	17.04	3.66	125.00	0.00	0.50
3.55	448.30	14.64	3.27	125.00	0.00	0.50
4.73	472.40	10.35	2.19	125.00	0.00	0.50
5.91	453.60	8.12	1.79	125.00	0.00	0.50
7.09	246.10	12.16	4.94	125.00	0.00	0.50
8.30	122.20	7.81	6.39	125.00	0.00	0.50
9.46	89.76	5.39	6.01	125.00	0.00	0.50
10.63	99.58	3.75	3.77	125.00	0.00	0.50
11.81	140.70	1.84	1.31	125.00	0.00	0.50
13.02	180.90	2.93	1.62	125.00	0.00	0.50
14.21	179.80	6.47	3.60	125.00	0.00	0.50
15.36	163.10	7.57	4.64	125.00	0.00	0.50
16.54	170.70	5.39	3.15	125.00	0.00	0.50
17.72	127.90	7.00	5.47	125.00	0.00	0.50
18.90	47.91	1.81	3.79	125.00	0.00	0.50
20.11	125.00	7.37	5.90	125.00	0.00	0.50
21.27	113.20	4.85	4.28	125.00	0.00	0.50
22.44	108.70	5.52	5.08	125.00	0.00	0.50
23.64	151.90	8.44	5.55	125.00	0.00	0.50
24.81	143.00	8.60	6.01	125.00	0.00	0.50
25.99	192.10	10.70	5.57	125.00	0.00	0.50
27.19	191.40	5.05	2.64	125.00	0.00	0.50
28.36	272.00	3.82	1.40	125.00	0.00	0.50
29.53	286.20	3.67	1.28	125.00	0.00	0.50
30.72	300.10	4.17	1.39	125.00	0.00	0.50
31.90	311.40	6.20	1.99	125.00	0.00	0.50
33.07	238.50	8.14	3.41	125.00	0.00	0.50
34.25	241.20	7.13	2.95	125.00	0.00	0.50
35.45	194.30	9.05	4.66	125.00	0.00	0.50
36.62	377.70	11.50	3.04	125.00	0.00	0.50
37.79	224.20	6.82	3.04	125.00	0.00	0.50
38.99	166.20	3.54	2.13	125.00	0.00	0.50
40.16	299.80	10.14	3.38	125.00	0.00	0.50
41.36	198.20	8.23	4.15	125.00	0.00	0.50
42.52	372.80	4.72	1.26	125.00	0.00	0.50
43.70	433.70	10.96	2.53	125.00	0.00	0.50
44.88	464.70	9.95	2.14	125.00	0.00	0.50
46.07	218.90	10.87	4.97	125.00	0.00	0.50
47.25	127.80	5.39	4.22	125.00	0.00	0.50
48.45	208.10	9.88	4.75	125.00	0.00	0.50
49.61	180.70	10.49	5.81	125.00	0.00	0.50

Modify Robertson method generates Fines from qc/fs. Inputted Fines are not relevant.

Output Results:

Settlement of Saturated Sands=0.00 in.

Settlement of Unsaturated Sands=0.22 in.

Total Settlement of Saturated and Unsaturated Sands=0.22 in.

Differential Settlement=0.111 to 0.147 in.

Depth ft	CRRm	CSRfs	F.S.	S_sat. in.	S_dry in.	S_all in.
0.00	2.00	0.39	5.00	0.00	0.22	0.22
1.00	2.39	0.39	5.00	0.00	0.22	0.22
2.00	2.39	0.39	5.00	0.00	0.22	0.22
3.00	2.39	0.39	5.00	0.00	0.22	0.22
4.00	2.39	0.39	5.00	0.00	0.22	0.22
5.00	2.39	0.39	5.00	0.00	0.22	0.22
6.00	2.39	0.38	5.00	0.00	0.22	0.22
7.00	2.39	0.38	5.00	0.00	0.21	0.21
8.00	2.39	0.38	5.00	0.00	0.21	0.21
9.00	2.39	0.38	5.00	0.00	0.21	0.21
10.00	2.39	0.38	5.00	0.00	0.21	0.21
11.00	0.80	0.38	5.00	0.00	0.20	0.20
12.00	0.86	0.38	5.00	0.00	0.20	0.20
13.00	1.39	0.38	5.00	0.00	0.19	0.19
14.00	2.39	0.38	5.00	0.00	0.19	0.19
15.00	1.81	0.38	5.00	0.00	0.19	0.19
16.00	2.39	0.38	5.00	0.00	0.18	0.18
17.00	2.39	0.37	5.00	0.00	0.18	0.18
18.00	2.35	0.37	5.00	0.00	0.18	0.18
19.00	0.58	0.37	5.00	0.00	0.17	0.17
20.00	2.39	0.37	5.00	0.00	0.17	0.17
21.00	1.45	0.37	5.00	0.00	0.16	0.16
22.00	1.87	0.37	5.00	0.00	0.16	0.16
23.00	1.83	0.37	5.00	0.00	0.15	0.15
24.00	2.39	0.37	5.00	0.00	0.15	0.15
25.00	2.39	0.37	5.00	0.00	0.15	0.15
26.00	2.39	0.37	5.00	0.00	0.14	0.14
27.00	1.17	0.37	5.00	0.00	0.14	0.14
28.00	1.04	0.36	5.00	0.00	0.13	0.13
29.00	1.98	0.36	5.00	0.00	0.12	0.12
30.00	1.23	0.36	5.00	0.00	0.12	0.12
31.00	2.09	0.36	5.00	0.00	0.11	0.11
32.00	1.95	0.36	5.00	0.00	0.10	0.10
33.00	1.82	0.35	5.00	0.00	0.10	0.10
34.00	0.95	0.35	5.00	0.00	0.09	0.09
35.00	2.22	0.35	5.00	0.00	0.08	0.08
36.00	1.92	0.34	5.00	0.00	0.08	0.08
37.00	2.26	0.34	5.00	0.00	0.07	0.07
38.00	0.76	0.34	5.00	0.00	0.07	0.07
39.00	0.47	0.33	5.00	0.00	0.05	0.05
40.00	2.22	0.33	5.00	0.00	0.05	0.05
41.00	1.16	0.33	5.00	0.00	0.04	0.04
42.00	2.20	0.32	5.00	0.00	0.04	0.04
43.00	2.18	0.32	5.00	0.00	0.03	0.03
44.00	1.93	0.32	5.00	0.00	0.03	0.03
45.00	2.16	0.32	5.00	0.00	0.02	0.02

46.00	2.15	0.31	5.00	0.00	0.02	0.02
47.00	0.56	0.31	5.00	0.00	0.01	0.01
48.00	0.63	0.31	5.00	0.00	0.01	0.01
49.00	2.12	0.30	5.00	0.00	0.00	0.00
50.00	2.00	0.30	5.00	0.00	0.00	0.00

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

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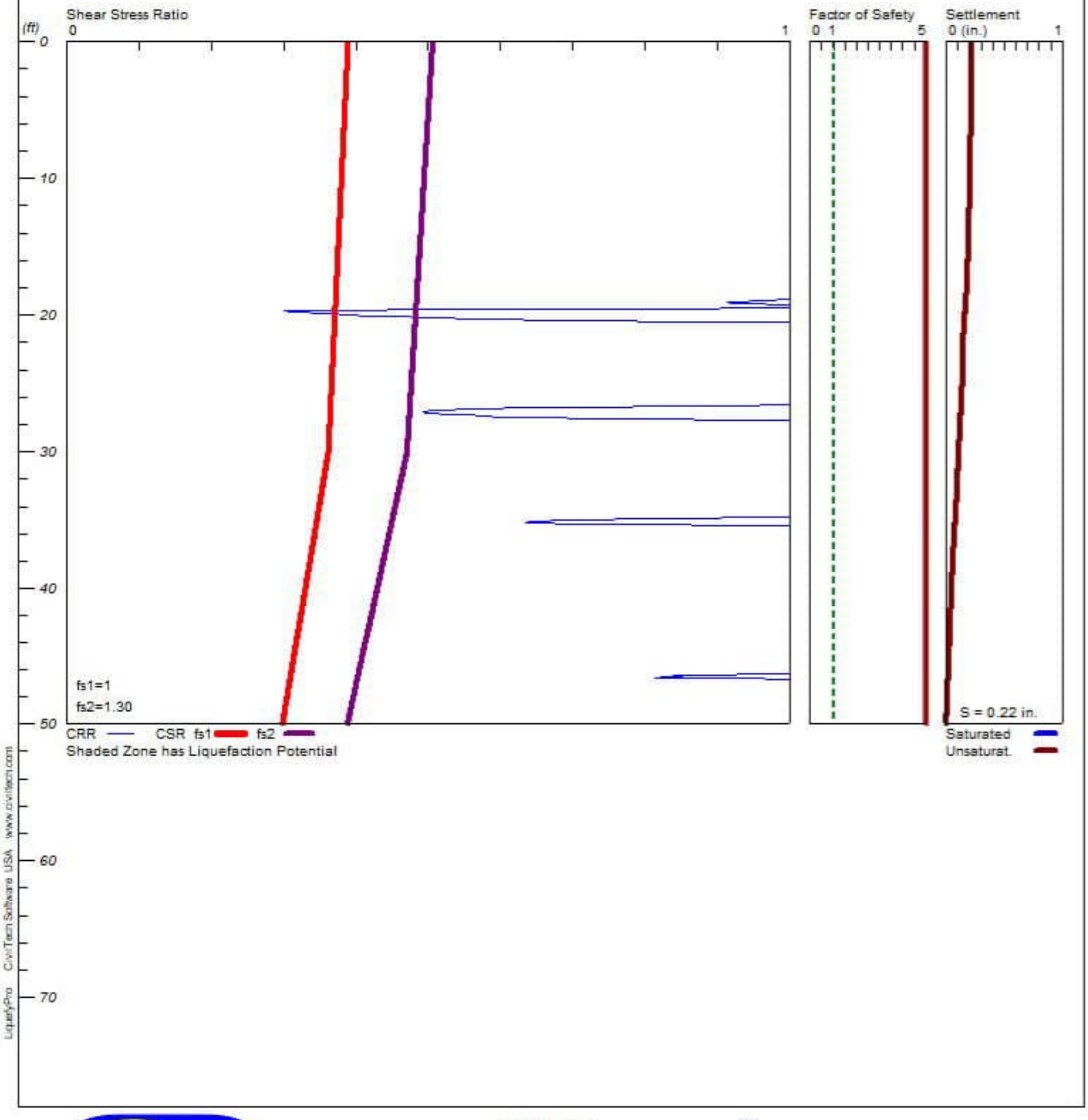
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

LIQUEFACTION ANALYSIS

Inland Empire Energy Center

Hole No.=CPT-3 Water Depth=80 ft

Magnitude=7.1
Acceleration=0.60g



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LIQUEFACTION ANALYSIS SUMMARY

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Input File Name: C:\Users\vvnguyen\OneDrive - Terracon Consultants Inc\Desktop\Liquefaction\60205266\CPT-3.liq
Title: Inland Empire Energy Center
Subtitle: 60205266

Surface Elev.=
Hole No.=CPT-3
Depth of Hole= 50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration= 0.6 g
Earthquake Magnitude= 7.10

Input Data:
Surface Elev.=
Hole No.=CPT-3
Depth of Hole=50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration=0.6 g
Earthquake Magnitude=7.10
No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. CPT Calculation Method: Modify Robertson*
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
9. User request factor of safety (apply to CSR) , User= 1.3
   Plot two CSR (fs1=1, fs2=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:

Depth	qc	fs	Rf	gamma	Fines	D50
ft	atm	atm	pcf	%	mm	

0.10	54.78	1.72	3.13	125.00	0.00	0.50
0.95	139.70	6.16	4.41	125.00	0.00	0.50
1.78	122.10	3.89	3.19	125.00	0.00	0.50
2.63	77.86	4.18	5.37	125.00	0.00	0.50
3.50	60.92	3.37	5.53	125.00	0.00	0.50
4.33	208.60	4.36	2.09	125.00	0.00	0.50
5.21	213.90	10.00	4.68	125.00	0.00	0.50
6.04	313.90	12.72	4.05	125.00	0.00	0.50
6.90	399.30	14.04	3.52	125.00	0.00	0.50
7.76	159.70	8.76	5.48	125.00	0.00	0.50
8.60	124.20	6.79	5.47	125.00	0.00	0.50
9.48	163.00	5.82	3.57	125.00	0.00	0.50
10.30	82.44	4.95	6.00	125.00	0.00	0.50
11.17	84.37	5.22	6.18	125.00	0.00	0.50
12.03	92.06	4.97	5.40	125.00	0.00	0.50
12.89	105.10	5.01	4.77	125.00	0.00	0.50
13.75	182.70	8.58	4.70	125.00	0.00	0.50
14.60	87.21	5.26	6.03	125.00	0.00	0.50
15.44	136.20	6.66	4.89	125.00	0.00	0.50
16.29	203.50	4.61	2.26	125.00	0.00	0.50
17.15	149.40	6.23	4.17	125.00	0.00	0.50
18.00	270.20	4.15	1.54	125.00	0.00	0.50
18.86	194.30	2.73	1.41	125.00	0.00	0.50
19.69	116.80	1.14	0.98	125.00	0.00	0.50
20.57	218.80	2.90	1.33	125.00	0.00	0.50
21.39	172.90	6.67	3.86	125.00	0.00	0.50
22.25	96.46	4.73	4.90	125.00	0.00	0.50
23.12	63.30	3.79	5.99	125.00	0.00	0.50
23.96	176.70	9.69	5.49	125.00	0.00	0.50
24.81	425.60	12.91	3.03	125.00	0.00	0.50
25.66	297.40	11.81	3.97	125.00	0.00	0.50
26.54	185.50	4.91	2.65	125.00	0.00	0.50
27.36	148.30	3.31	2.23	125.00	0.00	0.50
28.22	320.70	7.82	2.44	125.00	0.00	0.50
29.09	352.00	7.20	2.04	125.00	0.00	0.50
29.92	360.10	6.57	1.83	125.00	0.00	0.50
30.79	354.40	6.83	1.93	125.00	0.00	0.50
31.63	389.40	9.33	2.40	125.00	0.00	0.50
32.49	413.20	9.63	2.33	125.00	0.00	0.50
33.34	350.10	9.25	2.64	125.00	0.00	0.50
34.20	376.30	7.96	2.12	125.00	0.00	0.50
35.07	212.90	3.33	1.56	125.00	0.00	0.50
35.90	251.50	6.82	2.71	125.00	0.00	0.50
36.74	351.90	12.25	3.48	125.00	0.00	0.50
37.61	202.10	8.11	4.01	125.00	0.00	0.50
38.47	313.20	10.28	3.28	125.00	0.00	0.50
39.31	327.40	9.41	2.87	125.00	0.00	0.50
40.15	300.60	11.08	3.69	125.00	0.00	0.50
41.01	406.70	9.97	2.45	125.00	0.00	0.50
41.87	463.70	13.84	2.98	125.00	0.00	0.50
42.72	551.80	10.62	1.92	125.00	0.00	0.50

43.58	481.20	11.15	2.32	125.00	0.00	0.50
44.42	569.50	7.60	1.34	125.00	0.00	0.50
45.28	460.10	10.89	2.37	125.00	0.00	0.50
46.14	226.40	8.86	3.91	125.00	0.00	0.50
46.99	316.90	7.34	2.32	125.00	0.00	0.50
47.84	479.90	14.66	3.05	125.00	0.00	0.50
48.69	367.20	12.96	3.53	125.00	0.00	0.50
49.54	388.70	13.97	3.59	125.00	0.00	0.50

Modify Robertson method generates Fines from qc/fs. Inputted Fines are not relevant.

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=0.22 in.
Total Settlement of Saturated and Unsaturated Sands=0.22 in.
Differential Settlement=0.110 to 0.146 in.

Depth ft	CRRm	CSRfs	F.S.	S_sat. in.	S_dry in.	S_all in.
0.10	2.39	0.39	5.00	0.00	0.22	0.22
1.10	2.39	0.39	5.00	0.00	0.22	0.22
2.10	2.39	0.39	5.00	0.00	0.22	0.22
3.10	2.39	0.39	5.00	0.00	0.22	0.22
4.10	2.39	0.39	5.00	0.00	0.22	0.22
5.10	2.39	0.39	5.00	0.00	0.22	0.22
6.10	2.39	0.38	5.00	0.00	0.21	0.21
7.10	2.39	0.38	5.00	0.00	0.21	0.21
8.10	2.39	0.38	5.00	0.00	0.21	0.21
9.10	2.39	0.38	5.00	0.00	0.21	0.21
10.10	2.39	0.38	5.00	0.00	0.20	0.20
11.10	2.39	0.38	5.00	0.00	0.20	0.20
12.10	2.01	0.38	5.00	0.00	0.20	0.20
13.10	2.39	0.38	5.00	0.00	0.20	0.20
14.10	2.39	0.38	5.00	0.00	0.19	0.19
15.10	1.85	0.38	5.00	0.00	0.19	0.19
16.10	2.30	0.38	5.00	0.00	0.19	0.19
17.10	1.98	0.37	5.00	0.00	0.18	0.18
18.10	2.22	0.37	5.00	0.00	0.18	0.18
19.10	0.92	0.37	5.00	0.00	0.17	0.17
20.10	0.46	0.37	5.00	0.00	0.16	0.16
21.10	2.39	0.37	5.00	0.00	0.15	0.15
22.10	2.13	0.37	5.00	0.00	0.15	0.15
23.10	2.00	0.37	5.00	0.00	0.15	0.15
24.10	2.39	0.37	5.00	0.00	0.14	0.14
25.10	2.39	0.37	5.00	0.00	0.14	0.14
26.10	2.41	0.37	5.00	0.00	0.13	0.13
27.10	0.49	0.37	5.00	0.00	0.13	0.13
28.10	2.38	0.36	5.00	0.00	0.12	0.12
29.10	2.36	0.36	5.00	0.00	0.11	0.11

30.10	2.35	0.36	5.00	0.00	0.11	0.11
31.10	2.34	0.36	5.00	0.00	0.10	0.10
32.10	2.32	0.36	5.00	0.00	0.10	0.10
33.10	2.31	0.35	5.00	0.00	0.09	0.09
34.10	2.29	0.35	5.00	0.00	0.09	0.09
35.10	0.64	0.35	5.00	0.00	0.08	0.08
36.10	1.52	0.34	5.00	0.00	0.07	0.07
37.10	1.54	0.34	5.00	0.00	0.06	0.06
38.10	1.56	0.34	5.00	0.00	0.06	0.06
39.10	2.23	0.33	5.00	0.00	0.05	0.05
40.10	2.22	0.33	5.00	0.00	0.05	0.05
41.10	2.10	0.33	5.00	0.00	0.04	0.04
42.10	2.20	0.32	5.00	0.00	0.04	0.04
43.10	2.18	0.32	5.00	0.00	0.03	0.03
44.10	2.17	0.32	5.00	0.00	0.03	0.03
45.10	2.16	0.31	5.00	0.00	0.02	0.02
46.10	1.41	0.31	5.00	0.00	0.02	0.02
47.10	2.14	0.31	5.00	0.00	0.01	0.01
48.10	2.13	0.31	5.00	0.00	0.01	0.01
49.10	2.12	0.30	5.00	0.00	0.00	0.00

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

---

1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

GENERAL NOTES

Terracon GeoReport

DESCRIPTION OF SYMBOLS AND ABBREVIATIONS

SAMPLING


Auger


Shelby Tube


Split Spoon


Rock Core


Macro Core


Modified California Ring Sampler


Grab Sample


No Recovery


Modified Dames & Moore Ring Sampler

WATER LEVEL


Water Initially Encountered


Water Level After a Specified Period of Time


Water Level After a Specified Period of Time

Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.

FIELD TESTS

(HP)	Hand Penetrometer
(T)	Torvane
(b/f)	Standard Penetration Test (blows per foot)
N	N value
(PID)	Photo-Ionization Detector
(OVA)	Organic Vapor Analyzer
(WOH)	Weight of Hammer

DESCRIPTIVE SOIL CLASSIFICATION

Soil classification is based on the Unified Soil Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

LOCATION AND ELEVATION NOTES

Unless otherwise noted, Latitude and Longitude are approximately determined using a hand-held GPS device. The accuracy of such devices is variable. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

STRENGTH TERMS

RELATIVE DENSITY OF COARSE-GRAINED SOILS (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance Includes gravels, sands and silts.			CONSISTENCY OF FINE-GRAINED SOILS (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance			
Descriptive Term (Density)	**Standard Penetration or N-Value Blows/Ft.**	**Ring Sampler Blows/Ft.**	**Descriptive Term (Consistency)**	**Unconfined Compressive Strength, Qu, psf**	**Standard Penetration or N-Value Blows/Ft.**	**Ring Sampler Blows/Ft.**
Very Loose	0 - 3	0 - 6	Very Soft	less than 500	0 - 1	< 3
Loose	4 - 9	7 - 18	Soft	500 to 1,000	2 - 4	3 - 4
Medium Dense	10 - 29	19 - 58	Medium-Stiff	1,000 to 2,000	4 - 8	5 - 9
Dense	30 - 50	59 - 98	Stiff	2,000 to 4,000	8 - 15	10 - 18
Very Dense	> 50	≥ 99	Very Stiff	4,000 to 8,000	15 - 30	19 - 42
			Hard	> 8,000	> 30	> 42

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

Major Component of Sample	Particle Size
Boulders	Over 12 in. (300 mm)
Cobbles	12 in. to 3 in. (300mm to 75mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm
Silt or Clay	Passing #200 sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 5
With	5 - 12
Modifier	> 12

PLASTICITY DESCRIPTION

Term	Plasticity Index
Non-plastic	0
Low	1 - 10
Medium	11 - 30
High	> 30

UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests [A]					Soil Classification	
					Group Symbol	Group Name [B]
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	**Gravels:** More than 50% of coarse fraction retained on No. 4 sieve	**Clean Gravels:** Less than 5% fines [C]	$Cu \geq 4$ and $1 \leq Cc \leq 3$ [E]		GW	Well-graded gravel [F]
			$Cu < 4$ and/or [$Cc<1$ or $Cc>3.0$] [E]		GP	Poorly graded gravel [F]
		Gravels with Fines: More than 12% fines [C]	Fines classify as ML or MH		GM	Silty gravel [F, G, H]
			Fines classify as CL or CH		GC	Clayey gravel [F, G, H]
	Sands: 50% or more of coarse fraction passes No. 4 sieve	**Clean Sands:** Less than 5% fines [D]	$Cu \geq 6$ and $1 \leq Cc \leq 3$ [E]		SW	Well-graded sand [I]
			$Cu < 6$ and/or [$Cc<1$ or $Cc>3.0$] [E]		SP	Poorly graded sand [I]
		Sands with Fines: More than 12% fines [D]	Fines classify as ML or MH		SM	Silty sand [G, H, I]
			Fines classify as CL or CH		SC	Clayey sand [G, H, I]
Fine-Grained Soils: 50% or more passes the No. 200 sieve	**Silts and Clays:** Liquid limit less than 50	**Inorganic:**	PI > 7 and plots on or above "A"		CL	Lean clay [K, L, M]
			PI < 4 or plots below "A" line [J]		ML	Silt [K, L, M]
		Organic:	Liquid limit - oven dried	< 0.75	OL	Organic clay [K, L, M, N]
			Liquid limit - not dried			Organic silt [K, L, M, O]
	Silts and Clays: Liquid limit 50 or more	**Inorganic:**	PI plots on or above "A" line		CH	Fat clay [K, L, M]
			PI plots below "A" line		MH	Elastic Silt [K, L, M]
		Organic:	Liquid limit - oven dried	< 0.75	OH	Organic clay [K, L, M, P]
			Liquid limit - not dried			Organic silt [K, L, M, Q]
Highly organic soils:	Primarily organic matter, dark in color, and organic odor				PT	Peat

[A] Based on the material passing the 3-inch (75-mm) sieve.

[B] If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

[C] Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

[D] Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.

[E] $Cu = D_{60}/D_{10}$ $\quad Cc = \dfrac{(D_{30})^2}{D_{10} \times D_{60}}$

[F] If soil contains ≥ 15% sand, add "with sand" to group name.

[G] If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

[H] If fines are organic, add "with organic fines" to group name.

[I] If soil contains ≥ 15% gravel, add "with gravel" to group name.

[J] If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

[K] If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

[L] If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.

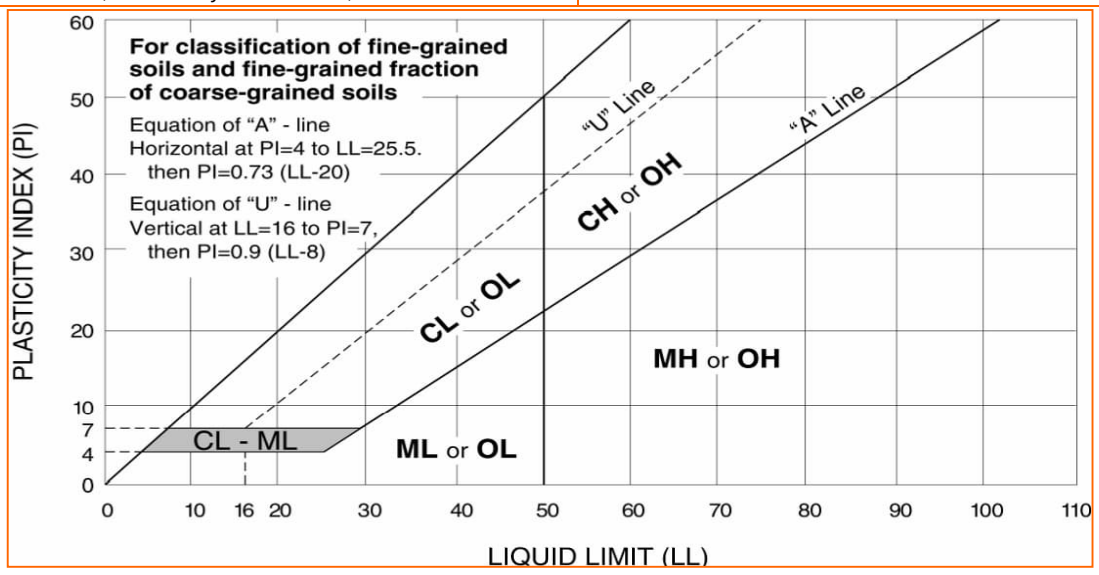
[M] If soil contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

[N] PI ≥ 4 and plots on or above "A" line.

[O] PI < 4 or plots below "A" line.

[P] PI plots on or above "A" line.

[Q] PI plots below "A" line.



APPENDIX E1 – PHASE I ENVIRONMENTAL SITE ASSESSMENT

Phase I Environmental Site Assessment

Former Inland Empire Energy Center

26226 Antelope Road, Menifee, Riverside County, California

Prepared for

Nova Power, LLC

Prepared by

Terraphase Engineering Inc.
18401 Von Karman Avenue, Suite 410
Irvine, California 92612

October 28, 2022
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Project Number 0027.008.003

terraphase engineering

Contents

Acronyms and Abbreviations vi

Executive Summary viii

Recognized Environmental Conditions ix

Historical Recognized Environmental Conditions ix

Significant Data Gaps ix

De Minimis Conditions ix

1 Introduction 1

1.1 Purpose 1

1.2 Scope of Services 2

1.3 Significant Assumptions 3

1.4 Limitations and Exceptions 3

1.5 Deviations 4

1.6 User Reliance 4

2 Client/User Provided Information 5

2.1 Environmental Liens 5

2.2 Activity and Use Limitations 5

2.3 Specialized Knowledge 5

2.4 Commonly Known or Reasonable Ascertainable Information 5

2.5 Valuation Reduction for Environmental Contamination 6

2.6 Reasons for Performing Phase I ESA 6

3 Site Information and Reconnaissance 7

3.1 Site Description 7

3.2 Current and Historical Site Operations 7

3.3 Site Observations 9

3.4 Site Utilities 12

3.5 Site Physical Setting 12

3.5.1 Topography and Hydrology 12

3.5.2 Geology and Hydrogeology 12

3.6 Adjoining Property Observations 13

4 Historical Records Review 15

4.1 Aerial Photographs 15

4.2 City Directories 16

4.3 USGS Topographic Maps 16

4.4 Prior Reports 17

5 Regulatory Records Review 21
5.1 Standard Environmental Record Sources 21
5.1.1 Subject Property Listings 21
5.1.2 Surrounding Property Listings 24
5.1.3 Orphan Listings 25
5.2 Additional Environmental Record Sources 26
5.2.1 Property Tax Files 26
5.2.2 Local Regulatory Records 26
5.2.3 County Regulatory Records 28
5.2.4 State Regulatory Records 30
5.2.5 Federal Regulatory Records 31
6 Interviews 32
6.1 Interview with Current Owner, Operator, and Occupant Representatives 32
6.2 Interview with Former Owner, Operator, and Occupant Representative 33
6.3 Interviews with Regulatory Agency Representatives 33
7 Non-Scope Considerations 34
8 Phase I ESA Findings, Opinions, and Conclusions 35
8.1 Findings and Opinions 35
8.1.1 RECs 35
8.1.2 Historical RECs 35
8.1.3 De Minimis Conditions 36
8.1.4 Data Gap Analysis 36
8.2 Conclusions 36
8.2.1 RECs 36
8.2.2 Significant Data Gaps 37
9 Qualifications of Staff 38
10 Statement of Environmental Professional 39
11 References 40

Figures

1 Subject Property Location

2 Subject Property Vicinity

Appendices

A EDR Environmental Lien and AUL Report

B Photograph Log

C Regulatory Record and Physical Setting Report

D Historical Aerial Photographs

E City Directories

F Topographic Maps

G Building Permit Report

H Fire Insurance Maps – No Coverage Certification

I Prior Reports and Relevant Documentation

J Property Tax Report – No Coverage Certification

Acronyms and Abbreviations

AAI	All Appropriate Inquiries
AIRS	US Aerometric Information Retrieval System
APN	Assessor's Parcel Number
AST	aboveground storage tank
ASTM	ASTM International
ATC	ATC Group Services LLC
AUL	activity and land use limitation
bgs	below ground surface
CalGEM	California Geologic Energy Management Division
CERS	California Environmental Reporting System
CFR	Code of Federal Regulations
CHMIRS	California Hazardous Materials Incident Reporting System
CIWQS	California Integrated Water Quality System
Client	Nova Power, LLC
COAL ASH DOE	Steam-Electric Plant Operation Data
CREC	controlled recognized environmental condition
Decommissioning Plan	*Inland Empire Energy Center Decommissioning and Demolition Plan*
DEH	Department of Environmental Health
ECHO	Enforcement and Compliance History Online
EDR	Environmental Data Resources Inc.
EDR report	EDR Radius Map™ Report
EMI	Environmental Information Management
ESA	Environmental Site Assessment
FINDS	Facility Index System
HAZNET	Facility and Manifest Data
HWTS	Hazardous Waste Tracking System
ICIS	Integrated Compliance Information System
IEEC	Inland Empire Energy Center
LDS	Land Disposal Sites
LQG	large quantity generator
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
NPDES	National Pollutant Discharge Elimination System
NRC	National Response Center

PCB	polychlorinated biphenyl
PHG	Public Health Goals
RCRA	Resource Conservation and Recovery Act
RCRA NonGen/NLR	Resource Conservation and Recovery Act Non-Generator
REC	recognized environmental condition
RMP	Risk Management Plans
RSL	Regional Screening Level
SCE	Southern California Edison
SCRA	Southern California Railway Authority
SLIC	Spills Leaks and Investigation Cleanup
SQG	small quantity generator
subject property	Nova Power, LLC property containing former Inland Empire Energy Center infrastructure at 26226 Antelope Road, Menifee, Riverside County, California
SWF/LF	Solid Waste Facility/Landfill
Terraphase	Terraphase Engineering Inc.
URS	URS Corporation
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
User	Nova Power, LLC
UST	underground storage tank
VOC	volatile organic compound

Executive Summary

Terraphase Engineering Inc. (Terraphase) performed a Phase I Environmental Site Assessment (ESA) of the Nova Power, LLC (Client) property located at 26226 Antelope Road, Menifee, Riverside County, California (subject property; Figure 1), on behalf of the Client, in accordance with Terraphase's proposal dated April 6, 2022.

The subject property is identified as Riverside County Assessor's Parcel Numbers 331-180-021 (approximately 1.97 acres) and 331-180-022 (approximately 42.52 acres). The subject property is developed with the remaining decommissioned Inland Empire Energy Center (IEEC) infrastructure, a former natural gas-fired electrical generating station active between 2008 and 2019, which is enclosed in a fenced area encompassing approximately 24 of the total 44.5 acres. The remaining infrastructure includes three buildings, two stormwater retention basins, five transformers and associated electrical equipment, a switchyard, equipment related to a gas transmission pipeline, concrete building foundations, asphalt-surfaced roads, and gravel-surfaced areas. The remaining buildings include an approximately 28,000-square-foot, two-story control room building, an approximately 11,000-square-foot water treatment building, and an approximately 11,000-square-foot warehouse. Outside of the fenced area, the subject property consists of access roads and landscaped and undeveloped areas (Figure 2).

The subject property is located in a rapidly developing rural area in Menifee, California, generally consisting of commercial and light industrial development to the east and west of the subject property, and residential areas to the north and south. The subject property is bounded to the north by the former Holliday Trucking concrete facility, and the Southern California Railway San Jacinto Branch railroad, followed by Matthews Road and commercial development. The subject property is bounded to the east by San Jacinto Road, followed by vacant land; to the south by the Romoland Flood Control Channel, a 500-kilovolt Southern California Edison electrical transmission line, and McLaughlin Road; and to the west by Antelope Road, followed by vacant land, commercial storage, and staging development.

Based on a review of historical documents, prior reports, and an interview with Frank Escobedo, the subject property was cultivated for wheat from at least 1938 through approximately 2006 when it was developed with the IEEC. According to City of Menifee records, in the 1990s and early 2000s, biosolids/sludge was reportedly applied to the surface of the subject property. Between 2006 and 2008, during the construction of the IEEC, a number of releases of hydraulic fluid, lubricating oil, and an unspecified substance were recorded at the subject property. These releases varied in size from approximately 2 gallons to a potential maximum of 55 gallons. During the operation of the IEEC, a release of 100 gallons of citric acid was recorded in 2010, and 120 gallons of aqueous ammonia were released in 2011. Decommissioning and removal of electrical generating infrastructure occurred in 2020 and 2021. Since 2021, the former IEEC portion of the subject property has been out of commission; activities are limited to security and upkeep of remaining infrastructure.

The Phase I ESA was performed in general conformance with the scope and limitations of ASTM International (ASTM) E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to, or deletions from, ASTM E1527-13 are described in Section 1 of this report.

Recognized Environmental Conditions

Terraphase identified the following recognized environmental condition (REC)[1] during this Phase I ESA:

- **Historical Agricultural Use**. Based on the previous groundwater sampling (URS Corporation 2005), types of agrochemicals (e.g., arsenic-based pesticides or chlorinated pesticides), frequency of application typical of historical agricultural operations, and the stable chemical structure of pesticides, the former agricultural operations and likely agrochemical use at the subject property are considered a REC.
- **Historical Releases.** Public records indicate multiple releases of hazardous substances and petroleum products occurred during construction and operations at the subject property, including hydraulic fluid, lubricating oil, and aqueous ammonia. Given the absence of information regarding the location, containment, and cleanup associated with several of the releases, the previous releases of hydraulic oil and lubricating oil are identified as a REC for the subject property.

Terraphase identified no controlled RECs during this Phase I ESA.

Historical Recognized Environmental Conditions

Terraphase identified no historical RECs during this Phase I ESA.

Significant Data Gaps

Terraphase identified no significant data gaps during this Phase I ESA.

De Minimis Conditions

Terraphase identified the following de minimis condition during this Phase I ESA.

- **Oil Staining of Surfaces Near a Grate Overlaying Concrete-Lined Sumps and Discolored Water Present in Concrete-Lined Sumps**. Terraphase observed three small stains on grating underneath the three-phase non-polychlorinated biphenyl (PCB)-containing transformers and an apparent oily-water mixture in a secondary containment sump for two of the three non-PCB-containing transformers. Given that the observed staining and oily water were located within the secondary

[1] According to ASTM E1527-21, a REC is defined as "(1) the presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a *release* to the *environment*; (2) the likely presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a *release* or likely *release* to the *environment*; or (3) the presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* under conditions that pose a *material threat* of a future *release* to the *environment*."

containment sumps, the observed staining and discolored water is considered a de minimis condition.

1 Introduction

At the request of Nova Power, LLC (Client), Terraphase Engineering Inc. (Terraphase) has completed a Phase I Environmental Site Assessment (ESA) of the property located at 26226 Antelope Road, Menifee, Riverside County, California (subject property; Figure 1), identified as Assessor's Parcel Numbers (APNs) 331-180-021 and 331-180-022.

This Phase I ESA includes information gathered from federal, state, and local agencies; review of historical documents; a reconnaissance visit; and interviews. A significant amount of the regulatory and historical database information was provided by Environmental Data Resources Inc. (EDR), a third-party vendor that specializes in providing regulatory and historical records for Phase I ESAs. The qualifications of the environmental professionals who prepared this report are included in Section 9.

1.1 Purpose

This Phase I ESA was conducted in general accordance with ASTM International (ASTM) E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (2013). On November 1, 2021, ASTM approved revisions to the E1527 standard practice in ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, which includes updated procedures for performing Phase I ESAs. However, ASTM E1527-13 continues to be incorporated by reference in the Code of Federal Regulations (CFR), Title 40 (40 CFR), Part 312 "Innocent Landowners, Standards for Conducting All Appropriate Inquiries" (AAI) rule,[2] adopted November 1, 2006, and most recently amended September 15, 2017; therefore, this Phase I ESA incorporates procedures and terminology as prescribed in ASTM E1527-21 as well as complying with ASTM E1527-13.

This Phase I ESA assesses for recognized environmental conditions (RECs) at the subject property. As defined by ASTM E1527-21, a REC is "(1) the presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a *release* to the *environment*; (2) the likely presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a *release* or likely *release* to the *environment*; or (3) the presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* under conditions that pose a *material threat* of a future *release* to the *environment*." The term includes hazardous substances or petroleum products even under conditions in compliance with local, state, and federal laws (e.g., permitted discharges).

A controlled REC (CREC) is defined as a REC "affecting the *subject property* that has been addressed to the satisfaction of the applicable regulatory authority or authorities with *hazardous substances* or *petroleum products* allowed to remain in place subject to implementation of required controls (e.g., *activity and use limitations [AULs]* or other *property use limitations*)."

[2] The "AAI rule," as defined under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

A historical REC is defined as "a previous *release of hazardous substances* or *petroleum products* affecting the *subject property* that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the *subject property* to any controls (for example, *activity and use limitations* or other *property use limitations)*."

1.2 Scope of Services

The Client has engaged Terraphase to perform this Phase I ESA to identify RECs (as defined in ASTM E1527-21) to help identify potential environmental liabilities associated with the subject property prior to a potential transaction.

The following services were included in this Phase I ESA:

- Interviews with past and present owners, operators, and occupants familiar with the subject property;
- Review of historical sources of information, including but not limited to aerial photographs, Sanborn fire insurance maps, and land use records;
- Review of previously conducted environmental studies;
- Review of government records, including regulatory reports for both the subject property and adjoining properties;
- Review of an environmental database search;
- Review of local regulatory agency files, including the local fire department and other local government entities that have jurisdiction over hazardous waste management, permitting, and site investigations;
- Reconnaissance level visual inspection of the subject property, including observations of adjoining properties and general land uses, to look for evidence of the release(s) of hazardous materials and petroleum products and assess the potential for on-site releases of hazardous materials and petroleum products resulting from current and historical land use activities and nearby operations;
- Subject property and adjoining property photographs to document current conditions; and
- Preparation of a report that documents our research, observations, and the results of the environmental inquiry, which specifically identifies any properties that will require invasive site investigation, including a summary of conclusions.

Non-scope considerations as defined in ASTM E1527-21 (e.g., asbestos, biological agents, cultural and historical resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment, industrial hygiene, testing of building materials for presence of lead-based paint or polychlorinated biphenyls [PCBs], lead in drinking water, mold, radon, regulatory compliance, wetlands, compliance with AULs, etc.) are considered beyond the scope of standard practice.

1.3 Significant Assumptions

This Phase I ESA provides appropriate inquiry into the previous ownership and use of the subject property consistent with good commercial and customary practice to minimize liability. Terraphase also assumes that the information provided by the Client, regulatory database provider, and regulatory agencies, is true and reliable.

1.4 Limitations and Exceptions

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by Terraphase and the Client. This report was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry as practiced in California. To the extent that Terraphase relied upon any information prepared by other parties not under contract to Terraphase, no representation as to the accuracy or completeness of such information is made.

A Phase I ESA is presumed to be viable if the earliest completion date of five specific components[3] is within 180 days prior to the date of acquisition of the subject property.[4] After 180 days but within 1 year prior to the date of acquisition, the report must be updated in accordance with ASTM E1527-21 and federal regulations. The 180-day or 1-year timeframe begins with the date upon which the first of five components of the Phase I ESA was completed.

The findings presented in this report apply solely to conditions existing at the time of the assessment. It must be recognized, however, that a Phase I ESA is intended for the purpose of evaluating the potential for contamination through limited research and investigative activities, and in no way represents a conclusive or complete characterization. Conditions in other parts of the subject property may vary from those at the locations where data were collected.

Terraphase notes that this Phase I ESA is not intended to meet provisions of the limited liability protections beyond the AAI and as stated in ASTM E1527-21: “there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered in, on, or at the subject property that are not addressed in this practice and that may pose risks of civil and/or criminal sanctions for noncompliance.”

Terraphase’s interpretation of investigation results is related to the availability of the data and the extent of the investigation activities; 100 percent confidence in Phase I ESA conclusions cannot reasonably be achieved. Therefore, Terraphase does not provide any guarantees, certifications, or warranties (expressed or implied) that a property is free from environmental contamination.

[3] The five specific components of the Phase I ESA referenced here are (1) searches for recorded environmental cleanup liens, (2) site reconnaissance of the subject property, (3) review of government records, (4) interviews, and/or (5) the Statement of Environmental Professional.

[4] Or for transactions not involving an acquisition such as a lease or refinance, the date of the intended transaction.

Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and all applicable laws, codes, regulations, or standards.

1.5 Environmental Site Assessment Viability

According to ASTM E1527-21, Section 4.6, a Phase I ESA is presumed viable when the following components were performed or updated within 180 days prior to the date of property acquisition or the date of the intended transaction:

- Interviews with owners, operators, and occupants (completed September 28, 2022);
- Searches for recorded environmental cleanup liens (completed September 28, 2022);
- Review of federal, tribal, state, and local government records (completed September 27, 2022);
- Site reconnaissance of the subject property and of adjoining properties (completed September 28, 2022); and
- The declaration by the environmental professional responsible for the assessment or update (Section 10).

After 180 days but within 1 year prior to the date of acquisition, the report must be updated in accordance with ASTM E1527-21 and federal regulations. The 180-day or 1-year timeframe begins with the date upon which the first of five components of the Phase I ESA was completed.

1.6 Deviations

In performance of this Phase I ESA, Terraphase has identified no exceptions, deletions, or deviations from ASTM E1527-13 or ASTM E1527-21.

1.7 User Reliance

This document was prepared for the use of the Client. No other party should rely on the information contained herein without the prior written consent of Terraphase and the Client.

2 Client/User Provided Information

This section describes information provided to Terraphase by the Client (i.e., the "User" of this Phase I ESA).

2.1 Environmental Liens

The User was unaware of environmental liens associated with the subject property. Environmental liens were not identified in an Environmental Lien and AUL Search Report provided by EDR (Appendix A). The current owners of the subject property are as follows:

- APN 331-180-021: Rita G Reggio & Janet E Logan Trustees (331-180-021); deed recorded on May 1, 2013. Former owner was Rita G Reggio Trustee.
- APN 331-180-022: Nova Power, LLC (331-180-022); deed recorded on May 17, 2021. Former owner was Inland Empire Energy Center LLC.

2.2 Activity and Use Limitations

The User was unaware of AULs associated with the subject property. AULs were not identified in the Environmental Lien and AUL Search Report provided by EDR.

Temescal Water Company holds a right-of-way across the subject property. Southern Sierras Power Company holds an easement for power poles and power lines, and Southern California Edison (SCE) holds an easement for electrical power lines, on the subject property. Home Farms Water Company holds water rights and rights to enter the land for the purpose of drilling wells. The County of Riverside holds an easement for a public road and drainage on the subject property. An additional easement is reported for flood control.

2.3 Specialized Knowledge

The User provided specialized knowledge (as defined in the AAI rule) regarding the subject property in the form of information included in prior reports (discussed in Section 4.5), past Inland Empire Energy Center (IEEC) operations, and current subject property operations (discussed in Sections 3 and 6.1).

2.4 Commonly Known or Reasonable Ascertainable Information

The User has no commonly known or reasonably ascertainable information (as defined in the AAI rule) regarding the subject property, except for information included in prior reports (discussed in Section 4.5).

2.5 Valuation Reduction for Environmental Contamination

The User indicated the valuation of the subject property has not been reduced or otherwise impacted due to the presence of releases or threatened releases of hazardous substances (as defined in the AAI rule) at the subject property.

2.6 Reasons for Performing Phase I ESA

Terraphase has been engaged by the Client to perform this Phase I ESA for the subject property (as defined in ASTM E1527-13) as a requirement for redevelopment permits.

3 Site Information and Reconnaissance

The subject property's current conditions and operations, historical use, and physical setting, are discussed in this section, as well as observations made by Terraphase during the site reconnaissance.

3.1 Site Description

The subject property, located at 26226 Antelope Road, Menifee, Riverside County, California (Figure 1), is identified as APNs 331-180-021 (approximately 1.97 acres) and 331-180-022 (approximately 42.52 acres). The subject property is developed with the remaining decommissioned IEEC infrastructure, a former natural gas-fired electrical generating station active between 2008 and 2019, which is enclosed in a fenced area encompassing approximately 24 of the total 44.5 acres. The remaining infrastructure includes three buildings, two stormwater retention basins, five transformers and associated electrical equipment, a switchyard, equipment related to a gas transmission pipeline, concrete building foundations, asphalt-surfaced roads, and gravel-surfaced areas. The remaining buildings include an approximately 28,000-square-foot, two-story control room building; an approximately 11,000-square-foot water treatment building; and an approximately 11,000-square-foot warehouse. Outside of the fenced area, the subject property consists of access roads and landscaped and undeveloped areas (Figure 2).

The subject property, located in a rural area in Menifee, California, is undergoing development. generally consists of commercial and light industrial development to the east and west of the subject property, and residential areas to the north and south. The subject property is bounded by the following properties: to the north by the inactive Holliday Trucking concrete facility; to the northeast by the Southern California Regional Rail Authority (SCRA) San Jacinto Branch railroad, followed by Matthews Road and commercial development including the businesses Datatronics, Ahern Rentals, and Block Graphics; to the east by San Jacinto Road (an unpaved access road), followed by four undeveloped parcels; to the south by the Romoland Flood Control Channel, a 500-kilovolt SCE electrical transmission line; and to the west by Antelope Road, followed by commercial development including the businesses J.C.O. Pallets Inc., RV Storage Of Murrieta Valley, and Sahara Scaffold Yard.

3.2 Current and Historical Site Operations

Based on a review of aerial photographs, prior reports, and an interview with Frank Escobedo, Director of Strategic Origination & Development at Calpine Corporation, the owner and developer of Nova Power, LLC, and former IEEC Director of Asset Management between 2008 and 2021, the subject property was cultivated for wheat from at least 1938 through approximately 2006 when it was developed with the IEEC. City of Menifee records indicate that in the 1990s through the early 2000s, biosolids/sludge were applied to the surface of the subject property.

Currently, the subject property is developed with infrastructure remaining after the decommissioning of the IEEC electric generating facility. IEEC operations involved the intake and purification of municipal water using sediment filtration, water softeners, reverse osmosis, and deionization systems. The purified water was heated in boilers by two natural gas-powered combustion turbines, and the

generated steam drove two steam turbines. Natural gas for the turbines was supplied through a Southern California Gas pipeline which entered at the southeast corner of the subject property. Three-phase, step-up transformers connected to an SCE switchyard and a 500-kilovolt transmission line adjacent to the south of the subject property. This transmission line connected the subject property to the SCE Valley Substation, located approximately 0.5 miles to the east. Saline wastewater produced during the water treatment process was discharged to the Santa Ana Watershed Project Authority Inland Empire Brine Line, which flowed to the wastewater treatment plant operated by the Orange County Sanitation District in Newport Beach. Municipal water and two stormwater catchment basins located on the southern edge of the subject property supplied water to cooling towers. A 350-gallon diesel tank supplying the fire water pump is located near the water treatment building, and two emergency generators with empty 3,200-gallon internal tanks are located near the warehouse building. A 240,000-gallon water AST is located southwest of the control room building. The IEEC was staffed 24 hours a day, 7 days a week.

Terraphase observed the following areas of the subject property:

- Control room building, consisting of office space, a janitorial closet, the control room operating the facility, a breakroom, a hydraulic elevator, a maintenance shop including a lead-acid battery bank, and a warehouse including a mechanical lift.
- Water treatment building, which includes a laboratory containing a fume hood, the location of a former battery bank with the batteries removed, an electrical control room, and equipment associated with sediment filtration, water softener, reverse osmosis, and deionization systems. Efflorescence and rust staining were observed on the concrete floor of the treatment area; a linear floor drain leads to an exterior self-contained concrete sump. The sumps were pumped via vacuum truck to remove the contents during operations.
- Warehouse containing storage racks and miscellaneous equipment. Spare equipment was stored around the exterior, and former drum storage concrete pads with concrete berms are located on the western side of the building. The self-contained drains and associated sumps of the concrete pads were nearly filled in with silt. During operations, these sumps were pumped via vacuum trucks regularly to remove the contents. As the operations have ceased, silt has accumulated.
- Loading dock areas formerly used to load chemicals, which were equipped with self-contained concrete-lined sumps. The sumps were pumped via vacuum truck during operations.
- West and east pond catch basins, which collected rainwater for use in cooling towers; the associated pumps have been disconnected.
- Terminus for Southern California Gas natural gas pipeline; currently disconnected from the on-site pipe network.
- Three-phase electrical transformers, installed over self-contained concrete-lined sumps, and incoming electrical lines.
- An empty concrete pad in the central portion of the former IEEC facility, which formerly housed the two power-generation blocks.
- Former location of a hazardous materials building, and a spare three-phase transformer located in a containment berm.

- Vacant land including the parcel (APN 331-180-021) formerly used for equipment and supply staging.
- Pad-mounted transformers at the northwest corner of the subject property.

Decommissioning and removal of electrical generating infrastructure occurred in 2020 and 2021. No electricity is currently generated at the subject property, and daily operations consist of security and maintenance of remaining infrastructure and buildings.

3.3 Site Observations

On September 28, 2022, Vanya Keyes of Terraphase conducted reconnaissance of the subject property to assess current land-use activities and environmental conditions. The subject property reconnaissance was documented with notes and photographs. Observations made during the reconnaissance are discussed below, and a photographic log is provided as Appendix B. The focus of a reconnaissance is to identify conditions that have the potential to cause adverse environmental impacts.

During the site reconnaissance, Terraphase was accompanied by Client-designated subject property contact Erik Price, the operations manager. Terraphase accessed subject property building interiors and the exterior areas of the subject property and viewed the subject property from adjacent public thoroughfares.

As part of the reconnaissance, Terraphase searched for evidence of the presence, use, or storage of hazardous substances and petroleum products, including, but not limited to areas of disturbed or discolored soil; suspect equipment and/or building materials which may contain hazardous substances or petroleum products; areas of distressed vegetation; wastewater discharge areas; evidence of storage tanks/septic systems; waste management/disposal areas; lagoons, pits, or sumps; surface water management areas; and stained surfaces, etc.

Specific observations for elements indicative of current and historical usage of hazardous substances and/or petroleum products are provided below.

Element	Observation
Current or former underground storage tanks (USTs)	Terraphase observed no evidence of current or former USTs (e.g., vent pipes, fill ports, patches, etc.) at the subject property. Mr. Price was unaware of current or former USTs at the subject property.
Current or former aboveground storage tanks (ASTs) and silos	Currently, an approximately 240,000-gallon fire water AST is located on the western edge of the subject property with an adjacent 350-gallon diesel AST used for backup emergency electrical generation associated with the fire water pump. During the site reconnaissance for the June 2022 Phase I ESA, Mr. Frank Escobedo stated that during electrical generation operations there had formerly been a 300-gallon diesel AST, an ammonia storage tank, and water tanks associated with the water treatment system and the steam generators at the subject property; evidence of these former tanks was not observed. Both the ammonia and diesel ASTs were equipped with secondary containment.

Element	Observation
PCB-containing equipment	Four three-phase transformers were observed in concrete enclosures in the center of the subject property; a spare three-phase transformer was observed in a bermed enclosure on the eastern side of the subject property. Signage was observed on the transformers indicating the mineral oil contained no detectable level of PCBs. The installed transformers were located within an enclosure with a concrete lined sump, which Mr. Escobedo confirmed in May 2022 are not outfitted with drains and must be vacuumed to remove contents. Areas of apparent oil stains were observed on the grate covering the sump underneath the installed transformers, and discolored water was observed within the sumps for the northeast and southeast transformers. Two pad-mounted transformers were observed in the northwestern corner of the subject property. No staining was observed on the concrete pads and the transformers did not appear to be damaged. Pole-mounted transformers were observed along Antelope Road adjacent to the western boundary of the subject property.
Current and former hazardous materials and/or petroleum product use/storage	The transformers were accessible during the site reconnaissance, and information placards indicated that the transformers contained non-PCB-containing mineral oil in capacities ranging from 6,500 to 26,000 gallons. Consumer-sized (less than 5 gallons in size) containers of paint and cleaning products were observed at the subject property. Two lead acid batteries were observed in the fire pump house, and a bank of 20 lead-acid batteries was observed in the maintenance shop. During the site reconnaissance for the June 2022 Phase I ESA, Mr. Escobedo stated that hazardous materials and waste had been previously stored within self-contained concrete-lined sumps in a building on the eastern side of the subject property, which has now been demolished, and no hazardous materials and/or waste are currently stored in that area.
Hazardous waste	Terraphase did not observe hazardous waste at the subject property. During the site reconnaissance for the June 2022 Phase I ESA, Mr. Escobedo stated that hazardous materials and waste had been previously stored in a building on the eastern side of the subject property, which has now been demolished, and no hazardous materials and/or waste are stored in that area.
Drums, totes, and intermediate bulk containers	Terraphase observed a partially full, 50-gallon plastic container of “XSORB” acid-neutralizing absorbent in the warehouse. On the east side of the warehouse, a 20-gallon universal spill kit container was observed, as well as a 55-gallon drum labeled as containing non-Resource Conservation and Recovery Act (RCRA) hazardous oily water and two empty 55-gallon drums labeled “Salvage Drum.” The 55-gallon drums were on a spill-containment platform. A 5-gallon bucket containing an acid spill kit was observed adjacent to the battery bank in the maintenance shop. Two 50-pound bags of food grade rock salt were observed on the floor in the water treatment building.
Non-hazardous solid waste	Waste generated at the subject property consists of municipal waste, collected by Waste Management. Terraphase observed municipal trash cans and a municipal dumpster outside of the control room building. An empty roll-off dumpster was observed south of the warehouse.

Element	Observation
Wastewater	Sanitary wastewater is discharged from the subject property to the Eastern Municipal Water District sewer system. Prior to decommissioning, waste brine water produced in the water treatment process was discharged to the Santa Ana Watershed Project Authority Inland Empire Brine Line, which flowed to the wastewater treatment plant operated by Orange County Sanitation District.
Floor drains, sumps, and drywells	Floor drains were observed associated with service sinks in the water treatment and control room buildings. A floor drain runs the length of the water treatment building, which drains into a concrete-lined sump on the eastern side of the building. Concrete-lined sumps were observed underneath the 4 three-phase transformers in the concrete enclosures at the center of the subject property. During the site reconnaissance for the June 2022 Phase I ESA, Mr. Escobedo stated that three self-contained sumps had previously existed at transfer locations where chemicals were moved from trucks to storage on the subject property. The sumps were pumped via vacuum trucks and disposed as waste during operations.
Odors	No significant odors were observed during the site reconnaissance.
Stains, pitting, or corrosion interior areas	Terraphase identified areas of rust staining and mineral deposits on the interior floors of the water treatment building.
Stained or corroded exterior areas	Terraphase identified areas of apparent oil staining on the metal grates beneath the three-phase transformers during the site reconnaissance. Beneath the grates are concrete-lined sumps which would have contained any leaked mineral oil. The sumps were pumped via vacuum trucks and disposed as waste during operations.
Pools of liquid	Terraphase observed water in the west catch basin during the site reconnaissance for the June 2022 Phase I ESA. During the September site reconnaissance, Terraphase observed discolored water in two of the concrete-lined sumps underlaying the transformers. As noted above, the sumps are not connected to discharge piping.
Pits, ponds, or lagoons	Terraphase observed two catch basins (also identified as “ponds”) at the southwest and southeast corners of the subject property.
Stressed vegetation	Terraphase observed dying and dead leaves on the uppermost branches on a number of the trees planted as a visual screen around the edges of the subject property. During the site reconnaissance for the June 2022 Phase I ESA, Mr. Escobedo stated that perhaps the local climate was not considered when the species of tree was selected; therefore, the damage is likely due to heat and drought stresses.
Stormwater	Stormwater from the subject property is directed into one of two unlined catch basins at the southwest and southeast corners of the subject property. When the generating facility was active the water was pumped from these basins to cooling towers.
On-site wells	Terraphase observed no wells at the subject property. The Operations Manager, Mr. Price, was unaware of any wells previously installed at the subject property.
Septic systems	No current or former on-site septic systems were identified at the subject property.
Heating/Cooling	The control room building is heated and cooled using a central heating, ventilation, and air conditioning system utilizing electric heat pumps.

Element	Observation
Other petroleum product transmission/storage	A Southern California Gas natural gas transmission pipeline was identified terminating in the southeastern corner of the subject property.

3.4 Site Utilities

Utility service providers at the subject property include the following:

Utility	Service Provider
Electricity	SCE
Natural gas	Southern California Gas
Sanitary wastewater disposal	Eastern Municipal Water District
Drinking water supply	Eastern Municipal Water District
Solid (non-hazardous) waste disposal	Waste Management

3.5 Site Physical Setting

The following subsections briefly describe the regional geology and hydrogeology of the subject property and the surrounding area.

3.5.1 Topography and Hydrology

Based on field observations, review of the United States Geographical Survey (USGS) 7.5-minute topographic maps provided by EDR, and the EDR Radius Map™ Report (EDR report) with GeoCheck® (2022; Appendix C), the subject property is situated between approximately 1,450 and 1,440 feet above mean sea level. The local topography is generally flat, with a very slight slope to the west.

The nearest surface water to the subject property is the Romoland Flood Control Channel, an engineered concrete surface drainage structure which primarily conveys stormwater from municipal storm drains, located adjacent to the south of the subject property. An unnamed bermed water retention pond adjoining an Eastern Municipal Water District facility is located approximately 1.6 miles northwest of the subject property.

3.5.2 Geology and Hydrogeology

According to soil data accessed on the United States Department of Agriculture Natural Resources Conservation Service website and the EDR report, the soils at the subject property primarily consist of Exeter sandy loam, which are generally well drained. Six borings were advanced on the subject property in 2005 to a total depth of 80 feet below ground surface (bgs); the subsurface was observed to consist of alternating silty sand, sand, and clayey silt with the clay content increasing with depth (ATC Group Services LLC [ATC] 2019). According to a subsurface investigation conducted approximately 1,800 feet northwest of the subject property, the subsurface of the vicinity of the subject property consists

primarily of silty sand to approximately 15 feet bgs, below which soils generally consist of clayey silt to silty clay to the maximum depth drilled of 45 feet bgs (GeoRemediation 1994). Based on information accessed via the USGS website, the subject property is underlain by late to middle Pleistocene gravel and sand alluvial fan deposits.

The subject property overlies the Perris-South groundwater subbasin (USGS 2003). In 2005, URS Corporation (URS) conducted a subsurface investigation at the subject property and reportedly documented that groundwater, encountered between 65 and 72 feet bgs, flows primarily toward the northwest, with a secondary gradient across the southern portion of the subject property toward the south–southwest (ATC 2019).[5] Groundwater flow direction in the region is generally to the northwest (USGS 2003).

According to the EDR report, six federal USGS monitoring wells were identified within 1 mile of the subject property, five of which are associated with the USGS California Water Science Center. Sixteen wells were identified in the CA Wells database within 1 mile of the subject property; 2 of the 16 were identified as municipal desalter supply wells which were located between 0.5 and 1 mile north and west by northwest of the subject property.

3.6 Adjoining Property Observations

During the reconnaissance, Terraphase observed the adjoining properties from public roadways and the subject property. The purpose of these observations was to identify obvious uses or conditions at the adjoining properties likely indicative of a REC or environmental concern for the subject property.

The subject property is bounded to the north by the former Holliday Trucking concrete facility. A barbwire-topped, chain-link fence surrounds the Holliday Trucking facility, but it had been cut in places along Antelope Road. Equipment related to the production of concrete including aggregate feed systems, hoppers, and silos were observed to be rusting and in general disuse. Vandalism was observed, including graffiti and theft of wiring; widespread dumping was not observed. Adjacent to the northeast, the SCRA San Jacinto Branch railroad was observed to also be in disuse, with rusting rails and some vegetation overgrowth. Further south, the railroad was observed to be discontinuous at Palomar Road. Beyond the railroad, Matthews Road was observed to the northeast, followed by a parking lot of construction equipment associated with Ahern Rentals. Adjacent to the east of the subject property, is the unpaved San Jacinto Road. An Eastern Municipal Water District sewer manhole was observed in San Jacinto Road near the northeastern corner of the fenced portion of the subject property. East of San Jacinto Road is a vacant property with a number of small overgrown soil stockpiles on the northern side. The vacant property is partially enclosed with a chain-link fence, but portions of it were observed to be missing or collapsed due to disrepair. Outside of the southeastern corner of the subject property, a concrete slab with a manhole cover labeled “SCE Comm.” was observed. Adjacent to the south of the subject property is the concrete-lined Romoland Flood Control Channel, followed by 500-kilovolt overhead electrical powerlines. Illicit dumping of approximately 15–20 tires and other debris was observed beneath the powerlines directly south of the subject property. McLaughlin Road was observed

[5] Terraphase was not provided with the 2005 URS report; this data was summarized in the 2019 ATC Phase I ESA.

further to the south, with construction of a new single-family housing tract visible beyond. Antelope Road is adjacent to the west of the subject property. An Eastern Municipal Water District sewer manhole was observed in the road, and to the west, a chain-link-fenced recreational vehicle and truck storage lot was observed. Fire hydrants were observed on both sides of Antelope Road. Northwest of the subject property, across Antelope Road, storage of temporary fencing was observed. Minor dumping of furniture and tires was observed along Antelope Road adjacent to the former Holliday Trucking facility.

No evidence of RECs was observed at any of the adjoining properties.

4 Historical Records Review

A variety of sources were reviewed to develop the history of the subject property and adjacent properties to assess for environmental concerns. These resources included the following:

- Aerial photographs provided by EDR for years 1938, 1949, 1953, 1961, 1967, 1978, 1985, 1989, 1997, 2006, 2009, 2012, and 2016;
- City directories for the subject property and adjoining properties provided by EDR for the years between 1971 and 2017, in approximately 5-year increments; and
- Topographic maps provided by EDR of the Elsinore, Murrieta, Perris, and Romoland quadrangles dated 1901, 1942, 1943, 1947, 1953, 1973, 1979, 2012, 2015, and 2018.

Historically and/or environmentally significant findings from reviewed maps and photographs are summarized below. Copies of historical aerial photographs, city directories, topographic maps, and building permits from EDR are provided in as Appendices D, E, F, and G respectively. Although requested by Terraphase, Sanborn® fire insurance maps were not available for the subject property. EDR's certification indicating no coverage is provided in Appendix H.

4.1 Aerial Photographs

On the 1938, 1949, 1953, 1961, 1967, 1978, 1985, 1989, and 1997 aerial photographs, the subject property appears to be developed with row crops. The surrounding properties are similarly developed for agricultural use. In the 1938, 1949, and 1953 photographs, Antelope Road is visible adjacent to the west of the subject property, and the SCRA San Jacinto Branch railroad is visible adjacent to the northeast. Northwest of the subject property, the gridded streets and scattered single-family houses of Romoland are visible, as well as a roadway consistent with the orientation of California State Route 74 (also known as Highway 74). A creek or irrigation feature in an east–west orientation is depicted approximately 1,000 feet south of the subject property. An apparent pond feature is observed to the south of the intersection of Case and Antelope roads, north of the subject property, in the 1949 aerial photograph. In the 1961 photograph, the Romoland Elementary School is visible north of the subject property, north of California State Route 74. In the 1978, 1985, and 1989 photographs, a new single family housing tract is visible north of California State Route 74 from the subject property, and additional commercial development is seen along California State Route 74 and along McLaughlin Road, south of the subject property. In the 1989 photograph, electrical transmission lines are visible running east–west adjacent to the south of the subject property. In the 1997 photograph, the Holliday Trucking concrete facility is visible adjacent to the north of the subject property.

In the 2006 aerial photograph, construction of the IEEC is visible on the subject property, including stockpiles and the installation of a pond on the southern portion. Adjacent to the west of the subject property, the area between Dawson and Antelope roads has been subdivided and developed for commercial storage and staging. Several stockpiles of what appear to be soil and sand or gravel are visible on the land adjacent to the east of the subject property.

In the 2009 photograph, construction of the IEEC has been completed on the subject property. The IEEC facility is observed to include three buildings, consistent with the main generation, wastewater treatment, and warehouse buildings, the fire water tank, three additional cylindrical ASTs, features consistent with Blocks A and B construction in the central portion of the facility, and a cooling tower, two rain catchment ponds, and electrical features on the east portion of the facility. APN 331-180-021, which in the 2006 photograph contained construction supplies and equipment, is depicted as vacant and undeveloped. Trees are visible in a landscaped perimeter around the subject property edges. The adjacent properties are generally consistent with the conditions in the 2006 aerial photograph.

In the 2012 photograph, Eller Park is visible north of the subject property along California State Route 74. In the 2016 photograph, the concrete-lined Romoland Flood Control Channel is visible running east–west adjacent to the south of the subject property. West of the subject property, many of the properties used for commercial storage and staging are vacant.

4.2 City Directories

Business directories including city, cross-reference, and telephone directories were reviewed, if available, at approximately 5-year intervals for the years spanning 1971 through 2017. The subject property and addresses in the vicinity were identified in the city directories as follows:

- **26226 Antelope Road** (subject property): Top Grade Construction (2010)
- **25890 Antelope** (nearest property listed to the north of the subject property in a majority of the directories): Romoland Elementary School (1976 – 2017)
- **25926 Antelope** (nearest property listed to the north of the subject property in a subset of the directories):
  - Adame Nat, Eller Jay (1976)
  - XXXX (1985)[6]
  - Tommy Tickles Towing (1990)
  - Benigni Tina (2005 – 2010)

The majority of the other, more distant listings in the city directories were listed as private residences. The above-listed commercial tenant of the subject property is not considered a REC. Other city directories of addresses at greater distances to the subject property were reviewed and none were found that would be considered a REC.

4.3 USGS Topographic Maps

On the 1901 through 1979 topographic maps, no site-specific details or buildings on the subject property or adjacent properties are depicted. On the 1901 map, Antelope Road is depicted adjacent to the west of the subject property, and the SCRA San Jacinto Branch railroad is depicted adjacent to the northeast. Loosely gridded roads with scattered structures are depicted in the surrounding vicinity, and

[6] Note "XXXX" is the notation listed in the City Directory.

the area southeast of the subject property is labeled “Menifee.” On the 1942, 1943, and 1947 maps, an area northwest of the subject property is densely gridded with streets oriented parallel to the railway, is labeled “Romoland,” and depicted with numerous structures. California State Route 74 is depicted running parallel with the railroad and diverging to due east north of the subject property. A school is depicted along California State Route 74, northeast of the subject property, and a small creek is depicted terminating east of the subject property. On the 1953 map, several small water reservoirs are depicted in the subject property vicinity and the west-adjoining properties are depicted as agricultural use. U.S. Route 395 is depicted approximately 1 mile west of the subject property. On the 1973 and 1979 maps, U.S. Route 395 has been replaced by the expanded Interstate 15. Additional residential development is depicted to the north and south of the subject property.

The 2012 through 2018 topographic maps do not provide details depicting structures or property uses other than fire stations, hospitals, post offices, and schools; surrounding streets are shown, but no site-specific details of buildings on the subject property or adjacent properties are provided.

4.4 Prior Reports

Terraphase reviewed the following prior environmental assessment and investigation reports (provided in Appendix I).

- *Contractor Records* (IEEC 2006 to 2008). Terraphase reviewed files related to the development of the subject property by the Inland Empire Energy Center general contractor in the mid-to-late 2000s as provided by the Client. These files included Monthly Compliance Reports for submittal to the California Energy Commission (CEC), dated between November 2006 and January 2008 (Compliance Report Numbers 18, 19, 22, 29, and 32). No information related to spills or releases of hazardous materials was included in the Monthly Compliance Reports. Records included Hazardous Materials Management Permits issued by the County of Riverside Department of Environmental Health to Inland Empire Energy Center (dated November 15, 2006), Titan Contracting & Leasing (dated December 6, 2006), and The Conco Company (foundation contractor; dated December 27, 2006). No records were included regarding the specific hazardous materials present. A Hazardous Waste Manifest, dated October 3, 2007, indicated that approximately 500 gallons of non-RCRA hazardous waste liquid (oily water) was transported off-site. The source of the oily water was not provided in the Monthly Compliance Report or Manifest. An additional Hazardous Waste Manifest, dated January 11, 2008, indicated that approximately 1,800 pounds of waste paint-related materials, 1,000 pounds of solid non-RCRA hazardous waste, and 300 pounds of liquid non-RCRA hazardous waste were transported off-site. The source of the wastes was not identified in the Monthly Compliance Report or manifests.
- *Phase II Baseline Investigation, GE Energy, GE Inland Empire Energy Center, 26226 Antelope Road, Romoland, California* (Phase II Report; URS 2005). The Phase II Report states that URS conducted a Phase I ESA in 2005, which provided the basis for the scope of work in the Phase II investigation. The work performed is summarized as follows:
  - A total of 20 surface and 25 subsurface soil samples were collected from 20 boring locations distributed across the subject property. Soil samples were analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B,

semi-volatile organic compounds by USEPA Method 8270C, priority pollutant metals by USEPA methods 6010B and 7471A, PCBs by USEPA Method 8082, organochlorine pesticides (OCPs) by USEPA Method 8081A, and chlorinated herbicides by USEPA Method 8151A (some analytes were excluded for select subsurface samples). Two subsurface samples (collected at 30 and 51 feet below ground surface, respectively) were analyzed for 1,4-dioxane. URS indicated that odors or staining were not observed in the soil samples collected. URS compared soil results to California Environmental Protection Agency (Cal/EPA) Office of Environmental Health Hazard Assessment soil screening levels for residential and commercial/industrial soil and to USEPA Region IX preliminary remedial goals (PRGs) for industrial soil; Terraphase compared the results to the current California Environmental Protection Agency Department of Toxic Substances Control (DTSC) Screening Levels for commercial/industrial properties (DTSC 2020). Arsenic was the only constituent that was detected at a concentration above the screening levels, but at concentrations below Southern California background concentration of 12 milligrams per kilogram (mg/kg)[7].

- Grab-groundwater samples were collected from six of the soil borings at depths ranging from approximately 70 to 90 feet below ground surface. Groundwater samples were analyzed for the same analytical suites as surface soil samples, with the addition of perchlorate using USEPA Method 314.0, with some exceptions.[8] Terraphase compared the groundwater results to current USEPA and California Maximum Contaminant Levels (MCLs). VOCs, dissolved metals, and herbicides were detected at concentrations below the respective MCLs. The following detections exceeded screening criteria:
  - Benzo(a)pyrene was detected in one groundwater sample at a concentration of 2.3 µg/L, above the current California Public Health Goal (PHG) of 0.007 µg/L and MCL of 0.2 µg/L.
  - Perchlorate was detected in five groundwater samples at concentrations up to 6.1 micrograms per liter (µg/L). The current PHG for perchlorate is 1 µg/L and the MCL is 6 µg/L.
  - The herbicide 2-(2-methyl-4-chlorophenoxy) propionic acid (MCPP) was detected in two groundwater wells at concentrations of 4,500 and 210 µg/L, both above the current USEPA Regional Screening Level (RSL) of 4.7 µg/L.
  - Pesticides were not detected in groundwater.
  - Total metals (antimony, arsenic, beryllium, cadmium, chromium, lead, and nickel) from unfiltered samples were detected at concentrations exceeding respective MCLs. URS noted that the groundwater samples were collected from temporary wells and were turbid in nature, and should therefore not be compared to MCLs; Terraphase concurs that total metals results are likely elevated due to turbid conditions and are not representative of dissolved metals present in groundwater.

[7] https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/01/Background_Arsenic.pdf

[8] URS noted that the sample from boring B04 was not analyzed for perchlorate and the sample from boring B05 was not analyzed for VOCs due to insufficient sample volume.

The presence of perchlorate, benzo(a)pyrene, and MCPP in groundwater with concentrations above applicable current PHGs and USEPA RSLs, which may be associated with the historical agricultural use of the subject property, are identified as a REC.

- A single surface water and one sediment sample were collected from the drainage ditch along Antelope Road where a sheen was observed on the water surface. Surface water and sediment samples were analyzed for the same suites as groundwater, with the exception that perchlorate in sediment was not analyzed. Based on the absence of VOCs in the surface water sample results, URS concluded that the apparent sheen was likely mineral or biologic rather than the result of petroleum hydrocarbons. Concentrations of detected analytes in the surface water sample were below applicable screening criteria. Concentrations of detected analytes in the sediment sample were below applicable screening criteria, with the exception of arsenic, which was detected at a concentration 1.23 mg/kg (within the accepted background range for soils).

URS' report concluded that no reporting of the results was necessary and made no recommendations for further evaluation.

- *Phase I Environmental Site Assessment* (ATC 2019a). Prepared only for a portion of the subject property (APN 331-180-022), the Phase I ESA identified that the subject property was used for agricultural cultivation from at least the late 1930s until IEEC facility development in the mid-2000s. In 2005, a *Phase II Baseline Investigation* was conducted by URS, which included surface and subsurface sampling for pesticides and herbicides. Detected compounds were present at concentrations below the current California Department of Toxic Substances Control screening levels. Based on the baseline sampling results and the amount of earthwork that had likely been conducted at the subject property during development activities, ATC concluded the concentrations would be further reduced and therefore did not identify historical agricultural use as a REC. ATC identified the presence of "numerous" ASTs at the subject property, including a 2-million-gallon process water tank, a 240-gallon AST containing used oil, and a 240-gallon AST containing sodium chloride (non-comprehensive list) and noted that there were no indications of releases from ASTs. ATC also identified that, based on the age of the facility, the use of lead-based paint is unlikely, but possible, and lead-based paint safe practices should be implemented when working on the water treatment building and fire pump room. ATC did not identify any RECs or recommend further action.

  The Phase I ESA referenced the following documents, which were not provided to Terraphase for review:

  - *Phase I Environmental Site Assessment, Inland Empire Energy Center, 26226 Antelope Road, Romoland, California* (Foster Wheeler Environmental Corporation 2001). As summarized by ATC, Foster Wheeler Environmental Corporation did not identify any current or past hazardous materials use at the subject property and did not recommend further investigation. ATC noted that the report did not discuss former use of pesticides and herbicides.
  - *Final Amended Geotechnical Report, Inland Empire Energy Center, Romoland, California* (GZA GeoEnvironmental, Inc. 2005).
  - *Phase II Baseline Investigation, GE Energy, GE Inland Empire Energy Center, 26226 Antelope Road, Romoland, California* (URS 2005). The results of this investigation are summarized above.

Based on the low concentrations reported and the absence of obvious sources, excluding the historical agricultural use, ATC did not identify the historical agricultural use as a REC. They do, however, note that during redevelopment, additional sampling would likely be required by development agencies.

- *Inland Empire* Energy *Center Decommissioning and Demolition Plan* (Decommissioning Plan; ATC 2019b). The Decommissioning Plan summarizes the history of development, reasons for decommissioning, and the plan to execute decommissioning of the generating facility. It states that the IEEC was permitted by the California Energy Commission on December 17, 2003, and the facility began operation of Unit 1 in June 2009, with Unit 2 brought into operation in May 2010. Figure 4-1 of the Decommissioning Plan provides a site plan for the IEEC facility prior to decommissioning.

  The Decommissioning Plan states that the facility was designed to operate for long periods at or near full capacity, which was not conducive to responding to peak demand periods needed by the California market. In addition, the Clean Air Act Title V operating permits issued for the facility limited the start-up/shut-down time to 31 hours per unit per month, further limiting fast start operations which could respond to peak demand. The facility was built using a newer 7H model of gas turbines, which never reached the widespread adoption of the 7FA model, resulting in increased support costs and unavailability of replacement parts. It was determined that it would not be economically feasible to retrofit the facility, and the decision was made to cease operations as of December 31, 2019.

  The Decommissioning Plan outlines the process for removing chemicals and liquids from equipment and containerizing and characterizing the waste for off-site disposal or recycling. On-site hazardous materials were identified for either return to vendor, sent for off-site recycling or use for energy recovery, or off-site disposal. No decommissioning or demolition waste was identified for on-site disposal.

  The IEEC entered into an agreement to sell the subject property to Nova Power, LLC, on February 1, 2019. Nova Power, LLC plans to develop a battery energy storage system at the subject property.

  A Phase I ESA, dated May 19, 2019, was included as an appendix to the Decommissioning Plan.

  On April 14, 2021, the California Energy Commission adopted Order Number 21-0414-03 concluding that the CEC's jurisdiction of the IEEC facility be terminated based on: non-operational status of the power plant, (2) completion of requirements of the Revised Closure Plan, and (3) the Request to Terminate proposed no physical changes to the IEEC facility or the environment.[9]

[9] https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=01-AFC-17C

5 Regulatory Records Review

Terraphase reviewed applicable and reasonably ascertainable federal, state, and local environmental-related databases as part of this Phase I ESA, discussed below.

5.1 Standard Environmental Record Sources

EDR provided the regulatory agency database report discussed in this section. Terraphase reviewed the EDR report for information regarding reported releases of hazardous substances and petroleum products on or near the property. Specific records and search distances (measured from the approximate property boundary of the subject property) for the environmental databases were reported by EDR to be consistent with ASTM E1527-13 and ASTM E1527-21 and are discussed in the EDR report dated April 21, 2022. The EDR report is provided as Appendix C.

5.1.1 Subject Property Listings

The subject property's address, 26226 Antelope Road, was associated with the following databases in the EDR report:

- **Inland Empire Energy Center, 26226 Antelope Road.** The subject property was identified in the following databases: California Hazardous Materials Incident Reporting System (CHMIRS), the National Pollutant Discharge Elimination System (NPDES), California Integrated Water Quality System (CIWQS), Facility Index System (FINDS), Resource Conservation and Recovery Act (RCRA) Non-Generator (RCRA NonGen/NLR; associated with the operator BES&T), RCRA-Large Quantity Generator (RCRA-LQG), USEPA Enforcement and Compliance History Online (ECHO), Integrated Compliance Information System (ICIS), US Aerometric Information Retrieval System (AIRS), Risk Management Plans (RMP), Steam-Electric Plant Operation Data (COAL ASH DOE), AST, Emissions Inventory (EMI), Facility and Manifest Data (HAZNET), California Environmental Protection Agency's Department of Toxic Substances Control Hazardous Waste Tracking System (HWTS), and California Environmental Reporting System (CERS).

  The CHMIRS database lists the subject property as having the following accidental spills or releases:

  - 11/20/2006: 15–20 gallons of hydraulic fluid due to a ruptured hose on a crane.
  - 12/01/2006: 2 gallons of hydraulic fluid to the ground due to a broken line.
  - 12/15/2006: 5 gallons of hydraulic fluid due to broken hydraulic hose line on a crane. Absorbent pads were reportedly applied. Incident was associated with SPX Cooling Technology.
  - 03/08/2007: 12 gallons of hydraulic fluid due to a broken hose. Ground was cleaned to a level of 1 inch and was reportedly planned to be cleaned to a level of 3 inches the day after the incident. Further records of cleanup were not provided.
  - 10/09/2007: 30 gallons of lubricating oil from a tipped over drum.
  - 01/27/2008: A private citizen called to report stormwater being pumped off the construction site which they believed may be contaminated. Notes indicate: "A fork-lift driver tipped over a drum and the lid came off. This was at a construction site."

- 01/12/2010: 100 gallons of citric acid (ammoniated 1-fluoro-2,4-dinitrophenyl-5-L-tryptophanamide [also known as FDTA] boiler cleaning solution) due to a valve left open during a chemical steam clean.
- 03/15/2011: 120 gallons of aqueous ammonia due to a hose rupture during off-loading.[10] The release is reported as contained and cleaned up. During his interview, Mr. Escobedo stated that he recalled the spill and that it was contained within a concrete-lined sump and removed using a vacuum truck.

In the NPDES database, the subject property is listed as a construction site with an active status as of January 17, 2020, and a terminated status as of May 7, 2021. In the CIWQS database, the subject property is listed as storm water construction with the same active and terminated dates as the above NPDES listing as well as a listing for a construction permit from June to August 2005. In the RCRA-LQG database, the subject property is listed with the following hazardous waste codes: ignitable waste, corrosive waste, reactive waste, heavy metals, benzene, halogenated solvents and spent nonhalogenated solvents. The USEPA ID number for the IEEC was CAR000216952.

The subject property is listed in the FINDS database as an electric generator and a greenhouse gas reporter. The subject property is listed in the ICIS and AIRS databases as having received formal and informal administrative orders and notices of violations, but no further information is provided; however, these listings are unlikely to be related to a release impacting soil or groundwater. Regular inspection/evaluation listings are also included in the AIRS database. The RMP database lists the subject property's risk of release of ammonia at a concentration of 20 percent or greater as the major hazard for the property, and includes the process control, mitigation systems, and training that is utilized to prevent a release. The subject property is listed in the AST database, but no information regarding the tank(s) is included. Additional information regarding subject property ASTs is provided in Section 5.2.3.2. Emissions records for the subject property are listed in the EMI database for the years 2006 through 2019. The HAZNET database listing includes unspecified aqueous solutions, other organic solids, off-specification, aged or surplus organics, unspecified solvent mixtures, oxygenated solvents, waste and mixed oils, unspecified oil-containing wastes, detergent and soaps, latex waste, and alkaline solutions with and without metals as wastes generated at the subject property. The CERS database list the subject property as "Wetlands – Fill and Dredge Material."

Of these databases, the CHMIRS listings are the only ones that present a potential environmental concern to the subject property. Most of the releases were minor in nature, and potentially contaminated soils were specifically recorded as cleaned in the March 9, 2007, release. The location of the largest release, aqueous ammonia, is known and stated to have been cleaned. However, the remaining release locations are not known, and information regarding the remediation of the releases is not included in most of the listings. As such, the previous releases of hydraulic and lubricating oils for which cleanup is not documented are identified as a REC for the subject property.

The subject property was also identified in databases at the address 26226 Antelope Road under the following names:

[10] Originally reported as 340 gallons, later amended to 120 gallons.

- **Boyle Energy Services Technology Inc**: Identified in the HWTS database; the subject property was classified as a temporary waste site in September 2009, which expired in March 2010.
- **GE Centerline Installation:** Identified in the FINDS database; no further information was available regarding this listing.
- **Bigge Crane:** Identified in the HAZNET and HWTS databases related to the temporary generation of organic solids in 2006; the waste generation permit has expired. No violations or spills were related to these listings.
- **Calpine Nova Power LLC.:** Identified in the RCRA NonGen, ECHO, FINDS, and HWTS databases with a North American Industry Classification System code of "All Other Waste Management Services." The subject property was classified as a temporary waste facility in November 2021, which expired in February 2022. No violations or spills were related to these listings.
- **SPX Cooling Technologies:** Identified in the HWTS database related to a temporary waste generator permit which was active from 2007 through 2008; no waste information was available. No violations were related to this listing. The December 15, 2006, release of 5 gallons of hydraulic fluid discussed in the previous section is associated with SPX Cooling Technologies.
- **KM Industrial:** Identified in the HWTS database related to a temporary waste generator permit active from 2007 through 2008; no waste information was available. No violations or spills were related to this listing.
- **Industra Service Corp.:** Identified in the FINDS database related to the temporary waste generation permit active for the export of 2 tons of organic solids from 2006 through 2007. No violations or spills were related to this listing.
- **Top Grade Construction:** Identified in the HAZNET and HWTS databases related to the temporary transporter permit for the export of wastes in 2006; information on the wastes was not available. No violations or spills related to this listing were identified in the HWTS database. Documents provided by the Riverside County Department of Environmental Health (DEH) indicate that top grade construction is responsible for the spill of 2 gallons of hydraulic fluid on December 1, 2006. A hazardous waste manifest for 250 pounds of contaminated soil from the spill was located in Riverside County DEH files.
- **TIC Inc.:** Identified in the HAZNET, HWTS and FINDS databases related to a temporary waste generation permit active in 2006 for the generation of 0.7 tons of hydrocarbon solvents and off-specification and other organic solids and liquids. No violations or spills were related to these listings.
- **The Conco Company:** Identified in the FINDS database related to waste activities in 2014 through 2015; no information on the waste activities were available. No violations or spills were related to this listing.
- **Total Western:** Identified in the FINDS database related to waste activities in 2014 and 2015; the waste activities were not specified. No violations or spills were related to this listing; however, as noted in Section 5.2.3.2, documents from Riverside County DEH indicate that the December 29, 2006, hydraulic fluid spill is associated with Total Western.

- **Marley Cooling Towers:** Identified in the HAZNET and HWTS databases related to a temporary generator permit active in 2007 for the generation of 0.25 tons of organic solids. No violations or spills were related to these listings.
- **Titan Contracting & Leasing Co. Inc.:** Identified in the HAZNET and HWTS databases related to a temporary generator permit active in 2008 for the generation of 0.75 tons of organic solids. No violations or spills were related to these listings.
- **Brewer Crane:** Identified in the HAZNET and HWTS databases related to a temporary generator permit active in 2006 through 2007 for the generation of 1 ton of organic solids. No violations or spills were related to these listings.
- **IEEC Romoland Facility**: Identified in the CERS and CIWQS databases related to fill and dredge materials. No violations or spills were related to these listings.

Upon review of these database listings, it was determined that none presented a concern that would be considered a REC for the subject property.

5.1.2 Surrounding Property Listings

The following properties were listed in the EDR report within applicable search distances and are either on adjoining properties, open cases and hydraulically upgradient of the subject property (i.e., located to the east or northeast of the subject property), or otherwise warrant further discussion.

- **Holliday Rock, 26100 Antelope Road, (adjacent to the north of the subject property).** This site is listed in the AST and RCRA NonGen databases. No additional information is included regarding the AST, and the site is listed in the RCRA NonGen database as ready-mix concrete manufacturing active in 2021. This site is not associated with a release and is not considered a REC.
- **Block Graphics, 28401 Matthews Road, (adjacent to the northeast and hydraulically upgradient of subject property).** This site is listed in the CERS HAZ WASTE, HAZNET, NPDES, CIWQS, CERS, HWTS, RCRA-Small Quantity Generator (SQG), NPDES, CIWQS, FINDS and ECHO databases. The CERS HAZ WASTE and HAZNET databases list the site as having generated waste codes related to photographic chemicals and processing wastes, active between 1997 and 2002. The NPDES database lists the site under manifold business forms, and the CIWQS database lists an active storm water industrial permit for the site. Two violations are listed for the site in the CERS database, one related to a faded sign and the other to debris present under equipment; both violations were followed by a return to compliance. The RCRA-SQG database lists the site as a producer of ignitable wastes. This site is not associated with a release and is not considered a REC.
- **Datatronics Inc., 28151 Highway 74, (580 feet north and hydraulically upgradient of subject property).** This site is listed in the CERS HAZ WASTE, HAZNET, CERS, HWTS and RCRA-LQG databases. The CERS HAZ WASTE and HAZNET databases list the site as having generated waste codes related to off-specification, aged or surplus organics, and unspecified oil-containing wastes from 1993 through 2021. The RCRA-LQG database lists the site as a producer of ignitable, corrosive, and nonhalogenated solvent wastes. The HWTS database lists the site as a capacitor, resistor, coil, transformer, and other inductor manufacturing facility. This site is not associated with a release and is not considered a REC.

- **Matthews International Corp., 28261 Matthews Road, (850 feet northeast and hydraulically upgradient of subject property).** This site is listed in the HAZNET, HWTS, RCRA-SQG, FINDS, ECHO and EMI databases. The HAZNET database lists the site as having generated waste codes related to other inorganic waste, liquids with a pH less than 2, alkaline solutions without metals, aqueous solution with total organic residues less than 10 percent, off-specification, aged or surplus organics, unspecified solvent mixtures, waste oil and mixed oil, paint sludge, halogenated solvents, and baghouse waste, generated from 1993 through 2006. The HAZNET database also lists the site as having generated 116 tons of contaminated soil from a site clean-up in 2006. The HWTS database lists the site as copper foundry facility. No details regarding generated wastes or notices of violation are listed in the RCRA-SQG database. Emissions records for the site are listed in the EMI database for the years 1990 through 2001. Given the distance from the subject property, and the absence of indication that the soil excavation was associated with impacts to soil vapor or groundwater, this site is not considered a REC.
- **Ahern Rentals, Inc., 28261 Matthews Road, (850 feet northeast and hydraulically upgradient of subject property).** This site is listed in the CERS HAZ WASTE and AST databases. Several violations are noted in the CERS HAZ WASTE database, but all are followed by a return to compliance from 2013 through 2021. The AST is listed as petroleum storage. This site is not associated with a release and is not considered a REC.
- **Romoland Market, 27856 Highway 74, (0.33 miles northwest and hydraulically downgradient of subject property).** This site is listed in the Leaking UST (LUST), SWEEPS UST, HIST UST, Cortese, Hist Cortese, and CERS databases. Three gasoline USTs were formerly located on-site and removed in 1992. Ten soil samples were collected from the bottom of the excavation; total petroleum hydrocarbons in the gasoline range were detected at concentrations up to 2.38 parts per million, and benzene up to 5.0 parts per million, at 16 feet bgs. Additional investigation identified that the contamination did not extend below approximately 30 feet or off-site. The County of Riverside submitted the case for closure by Santa Ana Regional Water Quality Control Board based due to the limited extent of the impacts and that it was a soils-only case. The site is listed as closed as of July 25, 1996. Given the lack of groundwater impacts at the site and the distance from the subject property, this site is not considered a REC.
- **B.P. John Recycling, Inc. 28700 Matthews Road, (0.42 miles east and hydraulically upgradient of subject property).** This site is listed in the Los Angeles County Landfill Methane, HWTS, Solid Waste Facility/Landfill (SWF/LF), CERS HAZ WASTE, Land Disposal Sites (LDS), NPDES, and CERS databases. The Los Angeles County Landfill Methane database identifies the site as an out-of-county green materials chipping and grinding facility. During site reconnaissance, this facility was observed to include stockpiles of mulch. Due to the site only being used for the mulching of organic wastes, this site is not considered a REC to the subject property.

5.1.3 Orphan Listings

Terraphase also reviewed the “unmappable” (also referred to as “orphan”) listings within the database report, cross-referencing available address information and facility names. Unmappable properties are listings that could not be plotted with confidence but are potentially in the general area of the subject property based on the partial street address, city, or zip code. EDR identified two orphan listings, a

Recovered Government Archive (RGA) Landfill site (Antelope Road Waste Tire Site) located approximately 8 miles south of the subject property, and a Clandestine Drug Lab database listing located approximately 3.4 miles northeast of the subject property. Based on the distances to the subject property, these orphan listings are not considered RECs.

5.2 Additional Environmental Record Sources

In addition to EDR report review, Terraphase contacted local, county, state, and federal environmental record sources, as described in the following subsections.

These sources of information, as well as interviews conducted, historical sources, and subject property observations, were found to be sufficient in evaluating the existence of RECs, historical RECs, CRECs, and/or de minimis conditions as part of this Phase I ESA. Therefore, an in-person review of the county or state records by Terraphase was found to be unwarranted (as defined in ASTM E1527-21, Section 8.2.2).

5.2.1 Property Tax Files

Based on tax information available on the Riverside County Assessor RivCoView Website,[11] the subject property is identified as APNs 331-180-021 and 331-180-022. No coverage was available for the subject property in the EDR Property Tax Map Report (Appendix J).

According to the City of Menifee zoning map,[12] the parcel identified as APN 331-180-021 is zoned as Heavy Industrial/Manufacturing (HI), and the parcel identified as APN 331-180-022 is zoned as Specific Plan (SP).

According to the Environmental Lien and AUL Report from EDR, the current owner of the portion of the subject property identified with APN 331-180-021 is listed as Rita G Reggio & Janet E Logan Trustees. The previous owner of this portion of the subject property was listed as Rita G Reggio Trustee, who transferred this portion of the subject property to the current owner on May 1, 2013. The current owner of the portion of the subject property identified with APN 331-180-022 is listed as Nova Power, LLC, c/o Calpine Corporation. The previous owner of this portion of the subject property was listed as Inland Empire Energy Center, LLC, who transferred this portion of the subject property to the current owner on May 17, 2021.

5.2.2 Local Regulatory Records

Applicable municipal records reviewed in preparation of this Phase I ESA report are discussed below.

5.2.2.1 City of Menifee Public Records

On September 27, 2022, Terraphase submitted a request to the City of Menifee City Clerk for relevant records regarding the subject property. A response was received on October 7, 2022, indicating that a

[11] https://rivcoview.rivcoacr.org/#/Property-Search

[12] https://cityofmenifee.us/DocumentCenter/View/9432/Zoning-Map

demolition and a building permit regarding the subject property were identified. Terraphase also reviewed previous public records requests submitted to the City of Menifee and identified two requests regarding the subject property, submitted on June 3 and October 13, 2021. The responses to these requests included the above-mentioned permits, site plans and renderings for the future Nova Power Energy Storage Project, and an asbestos demolition survey report in which no asbestos was found in any of the samples collected. Terraphase also reviewed the EDR building permit report for the subject property (Appendix G).

Permits for 26226 Antelope Road are listed below.

Date	Permit Detail
February 3, 2021	Building permit to re-route existing portable water line to admin building and cap existing fire water loop at north road. Fire protection to remain intact and active.
January 19, 2021	Commercial plumbing permit issued.
February 13, 2020	Demolition of Inland Empire Energy Center Units 1 & 2, Cooling Tower.

Building permits listed in EDR report for the surrounding properties consisted of residential commercial listings north of the subject property. No listings were identified for the properties adjacent to the subject property.

5.2.2.1.1 Biosolids/Sludge Application

Terraphase reviewed a map depicting the locations of permitted biosolids/sludge applications, an undated document provided with the City of Menifee City Council Agenda from March 5, 2013.[13, 14] The subject property is depicted on the map as an area where composite fields were present. The source of the biosolids/sludge is not documented.[15] Presentation slides from a March 5, 2013, City of Menifee City Council meeting document that biosolids/sludge were applied in Menifee in compliance with County of Riverside ordinances, prior to the City's incorporation in 2008, and that "staff is unaware of any evidence that any previous applications of biosolids/sludge were hazardous in Menifee".

EPA has established limits for pollutants for land-applied sewage sludge. The regulated pollutants consist of metals only (arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, and zinc). As summarized in Section 4.4, the 2005 URS Phase II investigation included sampling of surface soil for metals; detections were below current DTSC screening levels for commercial/industrial properties, with the exception of arsenic which was detected at concentrations consistent with Southern California background levels. In 2003, USEPA published its decision not to regulate dioxins in land-applied sewage sludge, based on a determination that land applied dioxins do not pose a significant risk to human health or the environment.[16] Following the 2005 Phase II investigation, the majority of the subject

[13] https://www.cityofmenifee.us/DocumentCenter/View/913/Map-of-County-application-of-sludge

[14] https://cityofmenifee.us/ArchiveCenter/ViewFile/Item/1019

[15] Beginning on page 544 of https://cityofmenifee.primegov.com/Public/CompiledDocument?meetingTemplateId=8842&compileOutputType=1

[16] https://www.epa.gov/biosolids/final-decision-not-regulate-dioxins-sewage-sludge

property was graded to support development of the IEEC; soil was reused onsite in the form of berms and other site features.

Based on the permitted status of the biosolids/sludge application, the period during which the biosolids/sludge were applied (1990s through 2004), and an absence of record of elevated concentrations of metals, PCBs, or OCPs in the 2005 Phase II Investigation, which included surface soil samples (summarized in Section 4.4), the former permitted application of biosolids/sludge at the subject property is not identified as a REC.

5.2.2.2 City of Menifee Fire Department

On September 27, 2022, Terraphase submitted a request to the City of Menifee Fire Department for relevant records regarding the subject property. A response has not been received at the time of report preparation.

Terraphase submitted a previous request on April 20, 2022; a response was received on April 22, 2022, indicating that no relevant records were maintained for the subject property.

5.2.3 County Regulatory Records

Applicable Riverside County records reviewed in preparation of this Phase I ESA report are discussed below.

5.2.3.1 Riverside County Fire Department

On September 27, 2022, Terraphase contacted the Riverside County Fire Department to request relevant records related to the installation or removal of on-site USTs and/or ASTs. A response has not been received at the time of report preparation.

Terraphase submitted a previous request to the Riverside County Fire Department on April 20, 2022; on April 21, 2022, a response was received indicating that they had no records regarding the subject property.

5.2.3.2 Riverside County DEH

For the June 2022 Phase I ESA, Terraphase submitted a request to the Riverside County DEH and conducted an in-person review of the available files on May 27, 2022, that included IEEC Safety Response Plans, Hazard Assessments related to the use and potential release of aqueous ammonia at the subject property, Change of Status Forms and Hazardous Materials Management Permits for contractors associated with the construction of the IEEC, Hazardous Materials Spill Reports, and internal and external communications. These documents provided additional information as to the hazardous materials present at the subject property during the construction and operation of the IEEC, the ASTs present during IEEC operations, and additional details of spill incidences and cleanup.

The following information regarding former spills at the subject property was also obtained:

- On December 11, 2006, approximately 2 gallons of hydraulic fluid leaked from a backhoe onto soil which was excavated. Contaminated soil was placed in a 55-gallon drum and disposed off-site as non-RCRA hazardous waste. The release was associated with top grade construction.
- On December 28, 2006, approximately 4 gallons of hydraulic fluid was released. The spill had reportedly been cleaned up and containerized. The release was associated with Total Western. Memorandum on file with Riverside County DEH states "no response required by this office."
- On September 18, 2007, approximately 30 gallons of lube oil was reportedly released to the ground due to a failed bearing. No additional information was provided.
- On September 21, 2007, approximately 3 gallons of lube oil was reportedly released to a concrete area due to an improperly positioned valve. The form stated the clean-up is in progress. No additional information was provided.
- On October 9, 2007, approximately 30 gallons of waste lube oil was released when a forklift blade tipped over a 55-gallon drum. The Hazardous Materials Spill Report form indicates the substance type was "radiological"; however, this appears to be in error as there is no further mention of radiological materials in the record. The form notes "RP States: 'HISTORICAL' A fork-lift driver tipped over a drum and the lid came off. This was at a construction site." A memorandum in the file references the Office of Emergency Services report number and states: "The spill has been cleaned up awaiting disposal. No response required or requested."
- On January 16, 2008, between 10 and 20 gallons of water with 0.1 percent corrosion inhibitor, 0.1 percent detergent, 1 percent citric acid, 0.1 percent sodium nitrate, and 1 percent ammonia hydroxide was released. The spill was reportedly contained and pumped into a drum.
- On January 12, 2010, approximately 100 gallons of boiler cleaning solution was released and flowed under a concrete pad and over nearby gravel. One sample from the gravel base and one sample from a concrete wall were collected from the area affected by the spill and analyzed for chromium. The result of the sample collected from the wall was non-detect. Chromium was detected at 0.624 milligrams per liter in the sample collected from the gravel.
- On March 15, 2011, approximately 120 gallons (originally reported as 340) of aqueous ammonia was released. The liquid was reportedly contained in the offloading containment sump and pumped back into the system for use as intended. The investigation report prepared by Riverside County DEH personnel indicates the release was satisfactorily cleaned up and documented with "no further action required." The case was closed on April 21, 2011.
- On September 3, 2014, a leak occurred at the Unit 2 Ammonia Forwarding Pumps; no further information was provided.
- On March 27, 2019, during an inspection by Riverside County DEH personnel, oil was observed to be leaking from oil-filled operational equipment onto the ground surface and a secondary containment structure. The finding was documented as a "notice to comply for minor violations and a notice of violations for all other violations." An email sent by IEEC personnel on March 28, 2019, documented cleanup of the secondary containment areas, and a handwritten note indicates "return to compliance."

An AST Facility Statement dated August 31, 2010, indicated the presence of 18 ASTs at the subject property, ranging in size from 300 to 15,478 gallons, containing lube oil, diesel fuel, hydraulic fluid, or waste oil. The list included a 1,200-gallon oil water separator.

An email from Mr. Escobedo to Riverside County DEH on November 2, 2020, stated that all of the plant equipment and associated hazardous materials were removed from the facility, with the exception of the five de-energized oil-filled transformers.

On September 27, 2022, Terraphase submitted a request to the Riverside County DEH for relevant records regarding any fires, complaints, permits, and violations involving hazardous waste or materials; UST/AST installation, abandonment, or removal; hazardous waste generation and handling records; hazardous releases; and remediation programs for the subject property. The Riverside County DEH responded on September 28, 2022, indicating that files were maintained for the subject property; however, it could not be determined if any new files originating after May 2022 were available. Based on the information obtained from the previous file review and the out-of-operation status of the subject property, an additional in-person file review was deemed to be unnecessary and, therefore, not completed for this assessment.

Scans and photographs of select documents on file with Riverside County DEH are included in Appendix I.

5.2.4 State Regulatory Records

State regulatory records reviewed in preparation of this Phase I ESA report are discussed below.

5.2.4.1 Department of Toxic Substances Control

Terraphase reviewed California Environmental Protection Agency Department of Toxic Substances Control's EnviroStor database,[17] which houses information on permits and corrective action at hazardous waste facilities, as well as site cleanup projects, for relevant records related to the subject property and/or adjoining properties. The subject property and adjoining properties were not identified in the database search results.

5.2.4.2 State Water Resources Control Board

Terraphase reviewed the State Water Resources Control Board data management system, GeoTracker,[18] for properties that impact groundwater or have the potential to impact groundwater at the subject property. The subject property, adjoining properties, and up-gradient properties with the potential to impact the subject property were not identified in the database search results.

[17] www.envirostor.dtsc.ca.gov/public

[18] https://geotracker.waterboards.ca.gov/

5.2.4.3 Division of Oil, Gas, and Geothermal Resources

A review of the California Geologic Energy Management Division (CalGEM) Well Finder[19] for oil and gas fields in California showed no oil wells or oil fields located within 1 mile of the subject property.

5.2.5 Federal Regulatory Records

Federal regulatory records reviewed in preparation of this Phase I ESA report are discussed below.

5.2.5.1 National Pipeline Mapping System

Terraphase reviewed the National Pipeline Mapping System Public Viewer[20] website for gas transmission pipelines and hazardous liquid trunk lines on or close to the subject property. According to the online information, a gas transmission pipeline operated by Southern California Gas is listed as active as of March 11, 2021, and is located on the southeast corner of the subject property. No incidents or releases are associated with the pipeline, and during the subject property reconnaissance, the terminus of the pipeline was visibly disconnected. The presence of a natural gas pipeline at the subject property is not considered a REC.

5.2.5.2 United States Coast Guard National Response Center

Terraphase searched the National Response Center (NRC) online databases for the years 1990 through 2021 for relevant records. The NRC, staffed by the United States Coast Guard, is part of the federally established National Response System and is the designated federal point of contact for reporting oil, chemical, radiological, biological, and etiological discharges to the environment within the United States and its territories.

Terraphase did not find records related to the subject property or in the subject property vicinity in the available NRC records.

5.2.5.3 United States Environmental Protection Agency

The subject property was identified as the Inland Empire Energy Center on the USEPA EnviroFacts[21] website. The subject property is described as fossil fuel electric power generation with actual or potential emissions. No records of spills or releases are listed for the subject property. Several instances of non-compliance are listed; however, the IEEC was in compliance as of the last database update on July 31, 2014. Adjacent to the north of the subject property, the Holliday Rock Temecula 10 is identified as a ready-mixed concrete facility. No records of a release or violations at the adjoining properties were identified in the EnviroFacts search results.

[19] https://www.conservation.ca.gov/calgem/Pages/Wellfinder.aspx

[20] https://pvnpms.phmsa.dot.gov/PublicViewer/

[21] https://enviro.epa.gov/

6 Interviews

Owner and regulatory agency interviews conducted by Terraphase are presented in this section.

6.1 Interview with Current Owner, Operator, and Occupant Representatives

During the site reconnaissance for the June 2022 Phase I ESA, Terraphase conducted an interview with Mr. Escobedo, Director of Strategic Origination & Development with Calpine Corporation, the owner and developer of Nova Power, LLC. He stated that he first began working at the subject property in 2008, although he had some knowledge of operations predating 2008. Mr. Escobedo stated that prior to the construction of the IEEC, the subject property had been used for agricultural purposes, growing grass sod, soy, and wheat. Mr. Escobedo stated that Calpine had purchased the subject property in 2001 and began construction after permit approval by the California Energy Commission in 2005. Mr. Escobedo indicated he had knowledge of some of the environmental concerns noted from a review of regulatory records, namely the location and cleanup of the spill of aqueous ammonia in March 2011. He stated that the material released into a 6-foot-deep concrete-lined sump beneath one of the docks used to transfer chemicals from trucks to on-site storage. He stated that the cleanup was conducted using a vacuum truck, and that soils were not affected. He stated that the ammonia was used at the facility to activate a catalyst which helped significantly reduce nitrogen oxide emissions. Mr. Escobedo also recalled a small spill of algicide in similar sump area used for transferring biological chemical cleaning supplies for the facility. The sumps were demolished during the facility's decommissioning in 2020 and 2021.

Mr. Escobedo had knowledge regarding the former layout and operations of the facility and outlined the remaining equipment, which included three-phase transformers, spare insulators, emergency diesel generators (which have internal tanks that had been emptied), natural gas compressors, and a water treatment installation that produced pure lab quality water for use in facility boilers. The machinery within the water treatment installation included sediment filtration, water softener, reverse osmosis, and deionization systems. He also identified the location of the former hazardous waste storage building and stated that it contained materials such as argon, nitrogen, oxygen, acetylene, waste oil, and solvents. He stated that all materials were stored within sumps, and he did not recall any spills occurring during electrical generation operations.

During the September 2022 site reconnaissance visit, Terraphase conducted an interview with Mr. Price, Operations Manager. Mr. Price indicated that he had been employed by the Client for 20 years, and had been at the subject property operations for approximately 1.5 to 2 years. Mr. Price had no knowledge of spills or storage of hazardous waste at the subject property during his time at the facility.

Additional information otherwise provided by Messrs. Escobedo and Price during the reconnaissance is discussed in in applicable sections of this report.

6.2 Interview with Former Owner, Operator, and Occupant Representative

Former owners, operator, and occupant were not contacted/interviewed as part of this Phase I ESA.

6.3 Interviews with Regulatory Agency Representatives

Terraphase contacted local, county, and state agencies via telephone, electronic mail, letter, or in person or accessed available records online to inquire as to whether they possessed relevant records regarding the subject property, as discussed in Section 5.2.

7 Non-Scope Considerations

Terraphase reviewed available information regarding the following non-scope considerations.

ASTM E2600-15, *Standard Guide for Vapor Encroachment Screening (VES) on Property Involved in Real Estate Transactions,* was used as guidance for conducting a vapor encroachment screening for the Site.[22] The purpose of the screening was to assess whether a vapor encroachment condition exists from contaminants of concern that may migrate as vapors onto a property as a result of contaminated soil and groundwater on or near the subject property.

Soil vapor is one of the pathways of contamination to the subject property, along with groundwater and soil. ASTM E1527-13 and ASTM E1527-21 requires that vapor migration be treated no differently than contaminated groundwater. The soil-vapor contaminant pathway needs to be considered in evaluation of RECs or other environmental concerns. The estimated groundwater flow direction is to the northeast.

In accordance with ASTM E2600-15 (Tier 1), potential petroleum hydrocarbon source(s) (e.g., active LUST cases) were evaluated for vapor intrusion within 1/10 mile of the Site and VOC source(s) (active Spills Leaks and Investigation Cleanup [SLIC] cases) within 1/3 mile of the subject property. No potential petroleum hydrocarbon or VOC sources were identified within applicable distances.

[22] Terraphase notes that vapor encroachment screening in accordance with ASTM E2600-15 is considered a non-scope consideration in ASTM E1527-21.

8 Phase I ESA Findings, Opinions, and Conclusions

This assessment revealed the following findings, opinions, and conclusions.

8.1 Findings and Opinions

Upon review of user-provided information, review of historical and regulatory records, performing the site reconnaissance, and conducting interviews, Terraphase identified the following findings as having the potential to be RECs, CRECs, historical RECs, de minimis conditions, or as otherwise noteworthy. Additionally, our data gap analysis is provided below.

8.1.1 RECs

Terraphase identified the following REC during this Phase I ESA:

- **Finding 1: Historical Agricultural Use**. According to aerial photographs, the Site was formerly used for agricultural purposes consistent with row crops from at least 1938 through 1997. Agricultural operations likely included the use of agricultural chemicals (e.g., pesticides, herbicides, fertilizers). Groundwater samples collected by URS during their 2005 Phase II investigation at the subject property contained detections of perchlorate, benzo(a)pyrene, and MCPP above their respective current PHGs and USEPA RSL. Based on the types, likely use, and frequency of application of agrochemicals (e.g., arsenic-based pesticides or chlorinated pesticides) typical of historical agricultural operations, the previously documented concentrations of perchlorate, benzo(a)pyrene, and MCPP above their respective screening levels, and the stable chemical structure of pesticides, the former agricultural operations at the subject property are considered a REC.
- **Finding 2: Historical Releases.** There were multiple CHMIRS listings associated with the subject property including, but not limited to, releases of hydraulic fluid ranging from 2 to 20 gallons in 2006 and 2007, a release of 30 gallons of lubricating oil from a tipped over drum in 2007, a report by a citizen of stormwater being pumped from the construction site and a tipped drum (contents unknown and no mention as to whether a release resulted), a 100-gallon release of boiler cleaning solution, and a 120-gallon release of aqueous ammonia to a secondary containment sump, which was subsequently cleaned up. No information was provided regarding the location or clean-up status of many of the releases, including the 30-gallon lubricating oil release. Given the absence of information regarding the location, containment, cleanup, and regulatory involvement associated with the releases, the previous releases of hydraulic and lubricating oils are identified as a REC for the subject property.

Terraphase identified no CRECs during this Phase I ESA.

8.1.2 Historical RECs

Terraphase identified no historical RECs during this Phase I ESA.

8.1.3 De Minimis Conditions

Terraphase identified the following de minimis condition during this Phase I ESA:

- **Finding 3: Oil Staining of Surfaces Overlaying Concrete-Lined Sumps and Discolored Water Present in Concrete-Lined Sumps**. Terraphase observed three small stains on grating underneath the three-phase non-PCB-containing transformers and an apparent oily-water mixture in secondary containment sump for two of the three non-PCB-containing transformers. Given the observed staining and oily water were located within the secondary containment sumps, this observation is considered a de minimis condition.

8.1.4 Data Gap Analysis

A data gap is a lack or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information.

Terraphase identified the following data gaps; however, they are not considered to be significant and do not alter the conclusions of the report:

- Under ASTM E1527-13, Section 8.3.2., “all obvious uses of the property shall be identified from the present, back to the property’s first developed use, or back to 1940, whichever is earlier.” The earliest detailed historical source identified by Terraphase was an aerial photograph dated 1938, which depicted the subject property as developed for agricultural use. Documentation prior to this development was not uncovered during this Phase I ESA. Based on the reviewed sources of historical information, this data gap is not considered to be significant (i.e., does not affect the ability of Terraphase to identify RECs).
- Former owners and occupants were not contacted as contact information was not provided. Based on the reviewed sources of historical information, this data gap is not considered to be significant.

8.2 Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E1527-13 and E1527-21 of the former IEEC Former Inland Empire Energy Center property located at 26226 Antelope Road, Menifee, Riverside County, California (the subject property). Any exceptions to, or deletions from, this practice are described in Section 1 of this report.

This assessment revealed the conclusions provided in the following subsections.

8.2.1 RECs

Terraphase identified the following RECs during this Phase I ESA:

- **Finding 1: Historical Agricultural Use**. Based on the previous groundwater sampling (URS 2005), types of agrochemicals (e.g., arsenic-based pesticides or chlorinated pesticides), frequency of application typical of historical agricultural operations, and the stable chemical structure of pesticides, the former agricultural operations and likely agrochemical use at the subject property are considered a REC.

- **Finding 2: Historical Releases.** Public records indicate multiple releases of hazardous substances and petroleum products occurred during construction and operations at the subject property, including hydraulic fluid, lubricating oil, and aqueous ammonia. Given the absence of information regarding the location, containment, and cleanup of several of the releases, the previous releases of hydraulic oil and lubricating oil are identified as a REC for the subject property.

Terraphase identified no controlled RECs during this Phase I ESA.

8.2.2 Significant Data Gaps

Terraphase identified no significant data gaps during this Phase I ESA.

9 Qualifications of Staff

Alice Hale Price, PE. Ms. Hale Price is a Principal Engineer with Terraphase and has extensive experience in environmental engineering focusing on site investigations and cleanup, facility compliance, and planning. Her work includes site investigation planning, implementation, and reporting; remediation work plan development, implementation oversight, and completion reporting; regulatory agency coordination; environmental compliance staffing and program reviews; California Environmental Quality Act (CEQA) documentation; and hazardous waste management oversight. Ms. Hale Price has supported due diligence efforts through preparation of numerous Phase I ESAs and Limited Environmental Compliance Assessments for commercial, industrial, former mining, and winery properties in accordance with ASTM 1527-13. Ms. Hale Price has also supported industrial and commercial clients with both on-site and remote environmental compliance staffing and assistance in redevelopment of client Environmental, Health, and Safety (EHS) programs; providing services in waste management and characterization; storm water management in accordance with the California Industrial General Permit; wastewater management in accordance with publicly owned treatment works permits; oil management in accordance with Spill Prevention, Control, and Countermeasures and Aboveground Petroleum Storage Act regulations; hazardous material business plan preparation via the California Environmental Reporting System; and employee training program development. Ms. Hale Price holds a Bachelor of Science degree in Civil and Environmental Engineering from the University of California, Davis.

Ms. Hale Price meets the requirements of an "Environmental Professional," as described in USEPA's AAI rule.

10 Statement of Environmental Professional

This report is intended to meet the requirements of ASTM E1527-13 and E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and has been prepared by the undersigned Terraphase environmental professional.

The assessment consisted solely of the activities described in the Introduction of this report and was performed in accordance with ASTM E1527-13 and E1527-21 guidelines, as applicable, for Phase I ESAs and the terms and conditions of the Standard Consulting Services Agreement signed prior to initiation of the assessment, as applicable. The assessment was conducted in a manner consistent with the level of care and skill ordinarily exercised by professional engineers, professional geologists, and environmental scientists.

"I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in § 312.10 of 40 CFR Part 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."



Alice Hale Price, PE
Principal Engineer & Director of Bay Area Operations

January 23, 2023
Date

11 References

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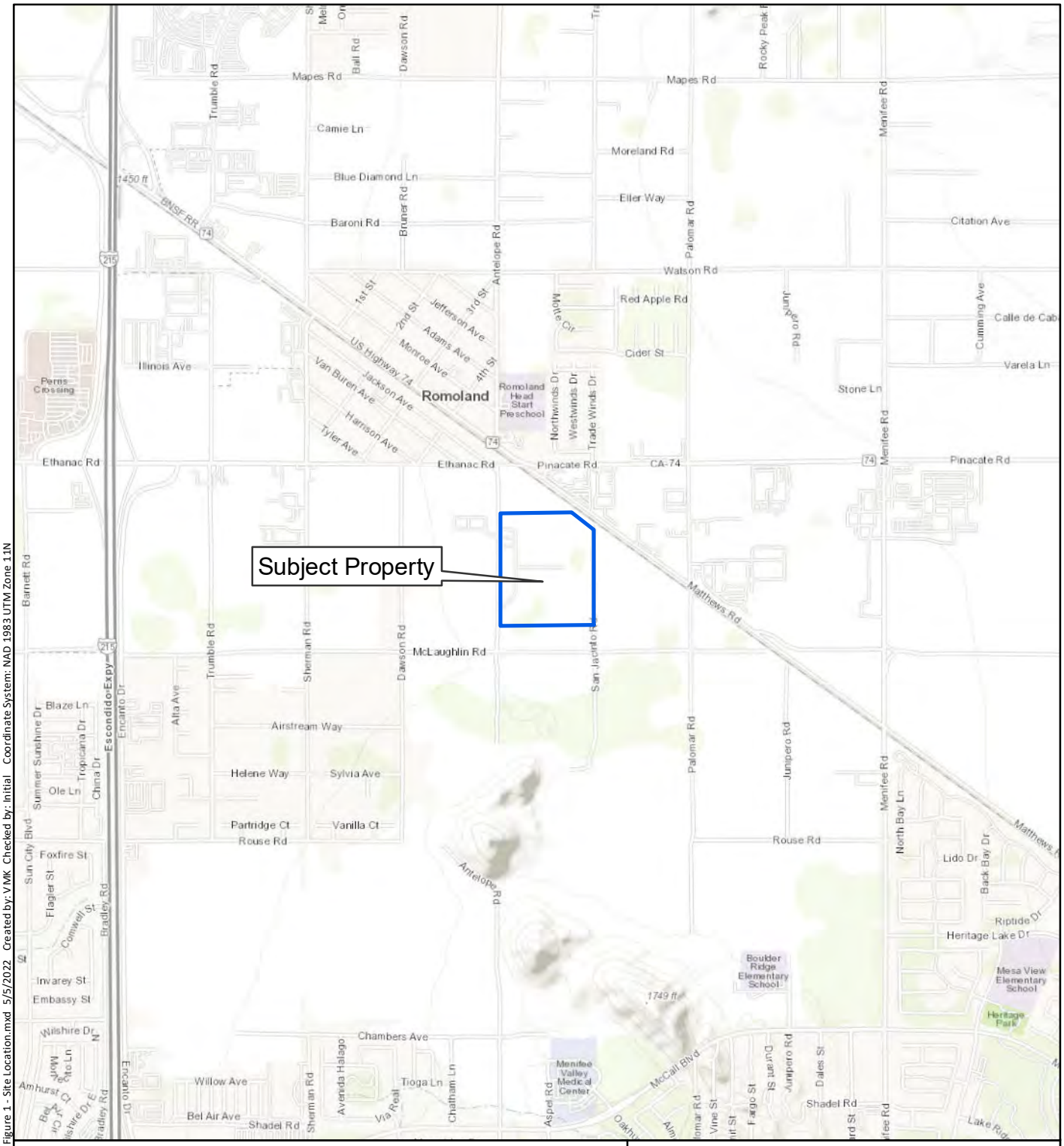
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Figures

1 Subject Property Location

2 Subject Property Vicinity



0 1,000 2,000 3,000 4,000 Feet

1 inch = 2,000 feet

N

Legend

Subject Property Boundary

Base Map: ESRI World Topographic Map

SAFETY FIRST

terraphase engineering

CLIENT: Calpine Corporation

PROJECT: Former Inland Empire Energy Center
26226 Antelope Road, Menifee, California

PROJECT NUMBER: 0027.008.003

Subject Property Location

FIGURE 1

File: N:\GIS\Prj\0027 Calpine\008 Menifee\MXDs\(20220505) Figure 1 - Site Location.mxd 5/5/2022 Created by: VMK Checked by: Initial Coordinate System: NAD 1983 UTM Zone 11N



SAFETY FIRST

terraphase engineering

CLIENT: Calpine Corporation

PROJECT: Former Inland Empire Energy Center
26226 Antelope Road, Menifee, California

PROJECT NUMBER: 0027.008.003

Subject Property Vicinity

FIGURE 2

Appendix A

EDR Environmental Lien and AUL Report

26226 Antelope Road
26226 Antelope Road
Sun City, CA 92585

Inquiry Number: 7130970.5
September 28, 2022

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

26226 Antelope Road
26226 Antelope Road
Sun City, CA 92585

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Riverside Recorder
Riverside, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Nova Power Group LLC
Title received from:	Inland Empire Energy Center LLC
Deed Dated	5/14/2021
Deed Recorded:	5/17/2021
Book:	NA
Page:	na
Volume:	na
Instrument	na
Docket	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Nova Power Group LLC
Parcel # / Property Identifier:	331-180-022
Comments:	See Exhibit

Deed 2:

Type of Deed:	deed
Title is vested in:	Rita G Reggio Trustee Janet E Logan Trustee
Title received from:	Rita G Reggio Trustee
Deed Dated	4/17/2013
Deed Recorded:	5/1/2013
Book:	NA
Page:	na
Volume:	na
Instrument	na
Docket	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Rita G Reggio Trustee Janet E Logan Trustee
Parcel # / Property Identifier:	331-180-021
Comments:	See Exhibit

Deed Exhibit 1

Recording Requested by
Fidelity National Title

RECORDING REQUESTED BY AND WHEN
RECORDED RETURN AND MAIL TAX
STATEMENTS TO:

Nova Power, LLC
c/o Calpine Corporation
717 Texas Avenue, Suite 1000
Houston, Texas 77002
Attention: Land Department

DOC # 2021-0304181
05/17/2021 05:00 PM Fees: $54.00
Page 1 of 11
Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder

This document was electronically submitted to the County of Riverside for recording
Receipted by: TONI #642

3002130-TC

TRA: 026-301 *(Space above this line for Recorder's use)*

The undersigned Grantor declares:

Documentary transfer tax is $3,300.00
☒ Computed on full value of the interest or property conveyed, or
☐ Computed on full value less value of liens or encumbrances remaining at time of sale
☐ Unincorporated Area ☒ City of Menifee
Parcel No.: 331-180-022

GRANT DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, Inland Empire Energy Center, LLC, a Delaware limited liability company, hereby grants to Nova Power, LLC, a Delaware limited liability company, the real property located in the City of Menifee, County of Riverside, State of California, described on ***Exhibit A*** attached hereto and made a part hereof.

This conveyance is made subject to (i) the matters listed on ***Exhibit B*** attached hereto and made a part hereof, and (ii) current taxes and assessments.

[*Signature page follows*]

IN WITNESS WHEREOF, the undersigned has executed this Grant Deed as of this day of May 14, 2021, to be effective as of May 14, 2021.

GRANTOR: INLAND EMPIRE ENERGY CENTER, LLC,
a Delaware limited liability company

By: Francisco Escobedo
Name: Francisco Escobedo
Title: Vice President

[Signature Page – Grant Deed]

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT CIVIL CODE §1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss
COUNTY OF San Bernardino)

On 4-19, 2021, before me, Debra A. Munoz-Lozano, a Notary Public, personally appeared Francisco Escobedo, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Debra A. Munoz-Lozano (Seal)
Signature of Notary Public

DEBRA A. MUNOZ-LOZANO
Notary Public - California
San Bernardino County
Commission # 2339898
My Comm. Expires Dec 10, 2024

Exhibit A

Legal Description

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF MENIFEE IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

A PORTION OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 14, TOWNSHIP 5 SOUTH, RANGE 3 WEST, SAN BERNARDINO BASE AND MERIDIAN, BEING IN THE UNINCORPORATED AREA OF THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT LAND SHOWN WITHIN CERTIFICATE OF PARCEL MERGER NO. 1622 FILED SEPTEMBER 13, 2005 IN 2005-0753554 OFFICIAL RECORDS OF RIVERSIDE COUNTY, CA.

TOGETHER WITH ALL THAT LAND SHOWN WITHIN THAT CERTAIN CERTIFICATE OF PARCEL MERGER NO. 1624 FILED SEPTEMBER 13, 2005 IN 2005-0753556 OFFICIAL RECORDS OF RIVERSIDE COUNTY, CA.

TOGETHER WITH LOTS 746 AND 749 AS SHOWN WITHIN THAT CERTAIN MAP OF ROMOLA FARMS NO 6A AS SHOWN WITHIN A MAP FILED JULY 9, 1926 IN MAP BOOK 14, AT PAGES 63, 64 AND 65, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA

TOGETHER WITH THAT PORTION OF THE EAST HALF OF LOT HH (ANTELOPE ROAD) ADJOINING LOT 746 ON THE WEST.

TOGETHER WITH THAT PORTION OF THE WEST HALF OF LOT JJ (SAN JACINTO ROAD), ADJOINING LOT 749 ON THE EAST.

SAID LEGAL DESCRIPTION IS PURSUANT TO CERTIFICATE OF PARCEL MERGER NO. 1623, RECORDED NOVEMBER 3, 2005 AS INSTRUMENT NO. 2005-0913379, OFFICIAL RECORDS..

APN: 331-180-022

Exhibit B

Permitted Title Exceptions

1. Property taxes payable and not yet delinquent, including any assessments collected with taxes, to be levied for the fiscal year 2021-2022 and subsequent years.

2. The effect of a Notice of Existence of Community Facilities District entitled Romoland School No. 91-1 which provides for the issuing of bonds and the levying of a special tax to pay the interest and principal payments on such bonds upon the herein described property, recorded November 09, 1992 as Instrument No. 427146 of Official Records of Riverside County, California.

3. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring on or after the Date of Policy.

4. Taxes and assessments levied by the Eastern Municipal Water district.

5. Water rights, claims or title to water, whether or not disclosed by the public records.

6. The right to, at any time, dig or drill additional wells on said property, as shown in deed executed by Alexander Hursh in favor of Watson Water Company, a corporation, recorded January 06, 1927 in Book 699, Page 480 of Deeds, Records of Riverside County, California, and in deed executed by Ethanac Rancho Ltd., in favor of Watson Water Company, a corporation, recorded July 19, 1933 in Book 129, Page 50 of Official Records.

7. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

   Granted to: Southern Sierras Power Company
   Purpose: Pole lines and conduits
   Recording Date: June 25, 1927
   Recording No: Book 720, Page 209 of Deeds
   Affects: A portion of said land as more particularly described in said document

8. Reservation in favor of Temescal Water Company, a corporation, its successors or assigns, of all water in or under the herein described property or in any water to which said property is or may hereafter be entitled by reason of its location or otherwise, as set out in deed to Joy G. Jameson recorded April 23, 1928 in Book 760, Page 221 of Deeds, Records of Riverside County, California, which said deed also reserves a right of way across said property or any part thereof for such pipelines, together with the right of entry thereon for the purposes of maintaining the same as may be necessary for the conveyance of said water; subject to the condition that said pipe lines shall be buried beneath the surface of the ground at such a depth as will not interfere with the reasonable cultivation of said property.

9. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

   Recording Date: July 08, 1929
   Recording No: Book 817, Page 571 of Official Records

   Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipelines or open ditches, and cannot be located from the records.

10. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording Date: April 07, 1933
    Recording No: Book 114, Page 453 of Official Records

    Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipelines or open ditches, and cannot be located from the records.

11. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording Date: June 29, 1933
    Recording No: Book 126, Page 570 of Official Records

    Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipelines or open ditches, and cannot be located from the records.

12. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender

expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording Date: August 16, 1933
Recording No: Book 132, Page 277 of Official Records

Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipelines or open ditches, and cannot be located from the records.

13. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording Date: November 07, 1933
    Recording No: Book 144, Page 466 of Official Records

    Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipe lines or open ditches, and cannot be located from the records.

14. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording Date: April 13, 1934
    Recording No: Book 169, Page 269 of Official Records

    Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipe lines or open ditches, and cannot be located from the records.

15. Perpetual and exclusive right to all water at any time being in or under the land herein described as granted to Home Farms Water Company, a corporation, by deed from Home Farms Corporation, a corporation, recorded June 06, 1935 in Book 236, Page 83 of Official Records of Riverside County, California, including the right to enter upon said land for the purpose of drilling wells and a right of way across said property or any part thereof, for the laying, maintaining, use and repair of such pipe lines or upon ditches as may be necessary for the conveyance of waters excepting, however, the right vested in the conveyance in certain deeds of record and the right reserved in grantor to dig or drill wells on said land for domestic

purposes only and not for purposes of irrigation or for use on any land except the land on which said wells are dug or drilled. Also all right, title and interest of said grantor in and to all wells, well equipment, pumps, pumping equipment, pipe lines, pipe equipment, open ditches and reservoirs situated on said property.

16. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording Date: August 18, 1935
    Recording No: Book 245, Page 238 of Official Records

    Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipelines or open ditches, and cannot be located from the records.

17. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording Date: June 09, 1936
    Recording No: Book 282, Page 511 of Official Records

    Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipelines or open ditches, and cannot be located from the records.

18. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording Date: October 16, 1946
    Recording No: Book 796, Page 186 of Official Records

Also, an easement for the hereinafter specific purpose and incidental purposes, as set forth in the document above mentioned. Said easement is for pipelines or open ditches, and cannot be located from the records.

19. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document.

    Redevelopment Agency: Redevelopment Agency for the County of Riverside
    Recording Date: July 25, 2002
    Recording No: 2002-408044 of Official Records

20. Intentionally Deleted.

21. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

    Granted to: The County of Riverside
    Purpose: Public road and drainage, including public utility and public services
    Recording Date: October 20, 2005
    Recording No: 2005-0866874 of Official Records

    Affects: A portion of said land as more particularly described in said document

22. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

    Granted to: Southern California Edison Company
    Purpose: Electric lines
    Recording Date: May 24, 2007
    Recording No: 2007-0343202 of Official Records
    Affects: A portion of said land as more particularly described in said document

23. Matters contained in that certain document

    Entitled: Hold Harmless Agreement for Water
    Recording Date: June 01, 2007
    Recording No: 2007-0362423 of Official Records

    Reference is hereby made to said document for full particulars.

24. Matters contained in that certain document

    Entitled: Hold Harmless Agreement for Sewer
    Recording Date: June 01, 2007
    Recording No: 2007-0362427 of Official Records

    Reference is hereby made to said document for full particulars.

25. An irrevocable offer to dedicate an easement over a portion of said Land for

    Purpose(s): Flood control
    Recording Date: June 15, 2007
    Recording No: 2007-0395990 of Official Records
    Affects: A portion of said land as more particularly described in said document

26. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

    Granted to: The County of Riverside
    Purpose: Public road and drainage, including public utility and public services
    Recording Date: June 27, 2007
    Recording No: 2007-0416535 of Official Records
    Affects: A portion of said land as more particularly described in said document

27. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

    Granted to: The County of Riverside
    Purpose: Public road and drainage, including public utility and public services
    Recording Date: June 27, 2007
    Recording No: 2007-0416536 of Official Records
    Affects: A portion of said land as more particularly described in said document

28. Matters contained in that certain document

    Entitled: Grant of Easement (Right of Way)
    Recording Date: February 29, 2008
    Recording No: 2008-0098962 of Official Records

    Reference is hereby made to said document for full particulars.

29. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other matters shown on map in Book 131, Page 82 of Records of Survey.

30. An easement for public street and public utility purposes over that portion of said land within Antelope Road, as dedicated upon the map of Trumble Farms, as shown by map on file in Book 11 Page 38, of Maps.

    Said offer was accepted by resolution, a certified copy of which was recorded September 29, 1995 as Instrument No. 327435 of Official Records.

31. An easement for public street and public utility purposes over that portion of said land within San Jacinto Road and Russell Road, as dedicated upon the map of Romola Farms no. 6a, as shown by map on file in Book 14 Pages 63, 64 And 65, of Maps.

    Said offer was accepted by resolution, a certified copy of which was recorded August 21, 2004

as Instrument No. 2004-0473425 of Official Records.

Said offer was accepted by resolution, a certified copy of which was recorded October 05, 2015 as Instrument No. 2015-0439867 of Official Records.

32. Intentionally Deleted.

33. Intentionally Deleted.

Deed Exhibit 2

WHEN RECORDED MAIL TO:
Richard E. Streza
BROWN & STREZA, LLP
40 Pacifica, Suite 1500
Irvine, CA 92618

MAIL TAX STATEMENTS TO:

Rita Gertrude Reggio
1049 Obispo Avenue
Long Beach, CA 90804

DOC # 2013-0205021
05/01/2013 10:00A Fee:25.00
Page 1 of 1
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

S	R	U	PAGE	SIZE	DA	MISC	LONG	RFD	COPY
1			1		1				1.50
M	A	L	465	426	PCOR	NCOR	SMF	NCHG	EXAM
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26.50

QUITCLAIM DEED

C
524

The undersigned Grantor declares:
Documentary Transfer Tax: $0/No consideration
This is a bonafide gift and the Grantor received nothing in return. R&T 11911

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, Rita G. Reggio, Sole Successor Trustee of the Reggio 1980 Trust dated July 21, 1980

Does hereby REMISE, RELEASE AND FOREVER QUITCLAIM to Rita G. Reggio, Trustee of the Reggio 1980 Trust dated July 21, 1980 fbo Rita G. Reggio as to an undivided 50% interest and Janet E. Logan, Trustee of the Reggio 1980 Trust dated July 21, 1980 fbo Janet E. Logan as to an undivided 50% interest

The following described real property in the County of Riverside, State of California:
That portion of Lot 753 of Romola Farms #6A,, as shown on map of said tract on file in the office of the County Recorder of said County, in Map Book 14 at pages 63,64 and 65 (approximately 1.97 acres)

Subject to: All Covenants, Conditions, Restrictions, Reservations, Exceptions, Limitations, Uses, Rights, Rights of Way, Easements, and other matters of record.

APN: 331180007-3

Dated: April 17, 2013

Rita G. Reggio

Rita G. Reggio, Sole Successor Trustee of the Reggio 1980 Trust dated July 21, 1980

State of California }
}ss
County of Orange }

On April 17, 2013, before me, Elizabeth Miriam Sanchez Kelly, a Notary Public, personally appeared RITA G. REGGIO, who proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

ELIZABETH MIRIAM SANCHEZ KELLY
Commission # 2000118
Notary Public - California
Orange County
My Comm. Expires Dec 6, 2016

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

Elizabeth M.S. Kelly
Notary Signature

(This area for official notarial seal)

MAIL TAX STATEMENTS AS DIRECTED ABOVE

Appendix B

Photograph Log



Photograph 1:

Entrance to former Inland Empire Energy Center off Antelope Road.

Photo Direction:

Southeast



Photograph 2:

Entrance gate to the Subject Property.

Photo Direction:

Southwest



Photograph 3:

Front of control room building.

Photo Direction:

South

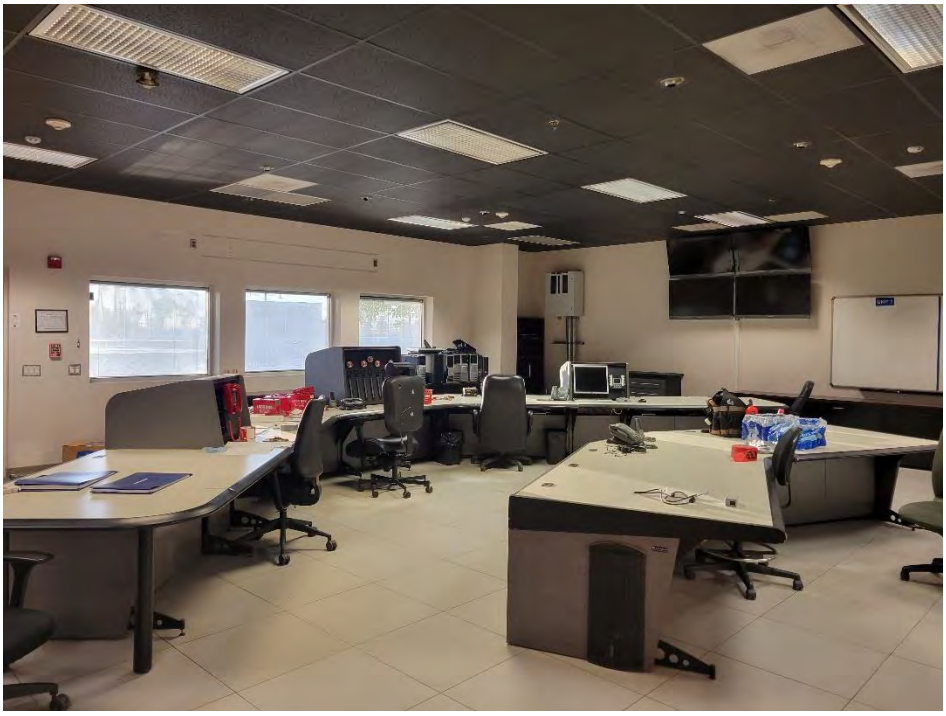


Photograph 4:

Lobby of control room building.

Photo Direction:

South



Photograph 5:

Control room for the former Inland Empire Energy Center.

Photo Direction:

Southeast



Photograph 6:

Employee lunchroom in control room building.

Photo Direction:

Southeast



Photograph 7:

Hydraulic elevator observed in control room building.

Photo Direction:

South



Photograph 8:

Maintenance shop in center of control room building.

Photo Direction:

Southwest



Photograph 9:

Lead acid battery bank used for welding observed in maintenance shop. Acid spill kit observed in 5-gallon bucket on right side of photo.

Photo Direction:

South



Photograph 10:

Storage room in maintenance shop. Retail-sized containers of cleaning supplies and empty hand-pump sprayers previously used to apply weed killer observed. Hot water heater and a mop basin with a floor drain observed.

Photo Direction:

West



Photograph 11:

Warehouse on south side of control room building. Mechanical lift observed on right side of photo.

Photo Direction:

Southwest



Photograph 12:

Bucket filled with pieces of PVC piping and empty containers of PVC glue observed on floor of warehouse.

Photo Direction:

N/A



Photograph 13:

East side of control room building. Maintenance shop and warehouse are located on the south side of the building.

Photo Direction:

Southwest



Photograph 14:

Area between control room building and water treatment building. Diesel-driven fire pump structure and fire water AST visible on right side of photo.

Photo Direction:

Southwest



Photograph 15:

Fire pump structure and fire water AST.

West

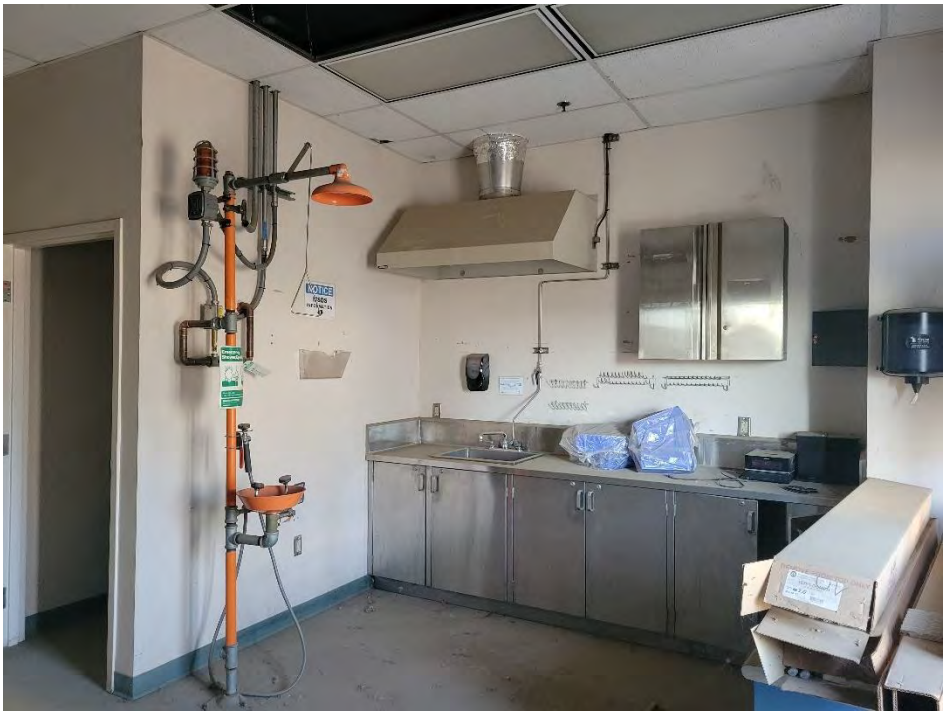


Photograph 16:

Interior of fire pump structure. Lead acid batteries observed on left side of photo. Diesel tank is positioned over secondary containment.

Photo Direction:

West



Photograph 17:

View of laboratory on northern side of water treatment building.

Photo Direction:

West



Photograph 18:

Key pad located adjacent to the laboratory entrance for new alarm system.

Photo Direction:

North



Photograph 19:

Electrical control center for water treatment equipment.

Photo Direction:

Northeast



Photograph 20:

Interior of water treatment building. Remaining equipment includes sediment filtration, water softener, reverse osmosis, and deionization systems. Efflorescence and rust staining observed on the floor. Grated floor drain leads to exterior concrete-lined sump.

Photo Direction:

South



Photograph 21:

Southern half of water treatment building interior. Decreased floor staining observed. Two 50lb bags of food grade rock salt observed on floor on right edge of the photo.

Photo Direction:

Southeast



Photograph 22:

Concrete-lined sump which collects water from floor drains of water treatment building.

Photo Direction:

North



Photograph 23:

West exterior of water treatment building. Lighter colored gravel area in foreground is the former location of one of three concrete-lined sumps below docks used to load chemicals from trucks to on-site storage.

Photo Direction:

Southwest



Photograph 24:

Southern, second entrance to subject property off Antelope Road. Gate is barricaded and disused.

Photo Direction:

Southwest



Photograph 25:

West pond catch basin located in southwest corner of subject property. Stormwater from the subject property was captured in one of the two basins and utilized in the former facility cooling towers. Vegetation has been removed and entrance ramp re-graded since last visit.

Photo Direction:

Southeast



Photograph 26:

Disabled pump for the west catch basin.

Photo Direction:

West



Photograph 27:

Fenced area containing the terminus of a Southern California Gas Company natural gas pipeline. The pipeline supplied the former facility, and is observed to be air-gapped.

Photo Direction:

South



Photograph 28:

East catch basin in southeast corner of subject property. Overhead electrical lines connecting to the 500-kilovolt SCE transmission lines south of the subject property are observed.

Photo Direction:

Southeast



Photograph 29:

Spare equipment including coolers and insulators observed stored adjacent to fenced SCE easement.

Photo Direction:

East



Photograph 30:

Electrical transmission lines connected to the southern ~~of~~ set of the two pairs of three-phase transformers housed in concrete structures in the center of the Subject Property.

Photo Direction:

North



Photograph 31:

ProlecGE three-phase transformer manufactured in April 2006. Transformers are installed over grated concrete-lined sumps with water sprinkler fire suppression systems overhead.

Photo Direction:

North

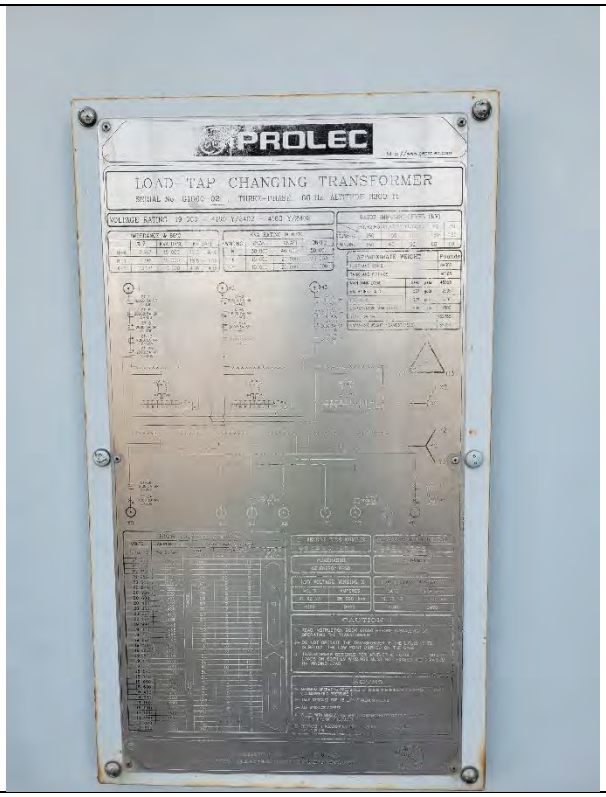


Photograph 32:

Minor staining observed on grate beneath the southwest transformer.

Photo Direction:

Northwest



Photograph 33:

Plaque on transformer indicating that it is filled with oils containing no detectable levels of PCBs. All three-phase transformers at the Subject Property are labeled with similar plaques.

Photo Direction:

North

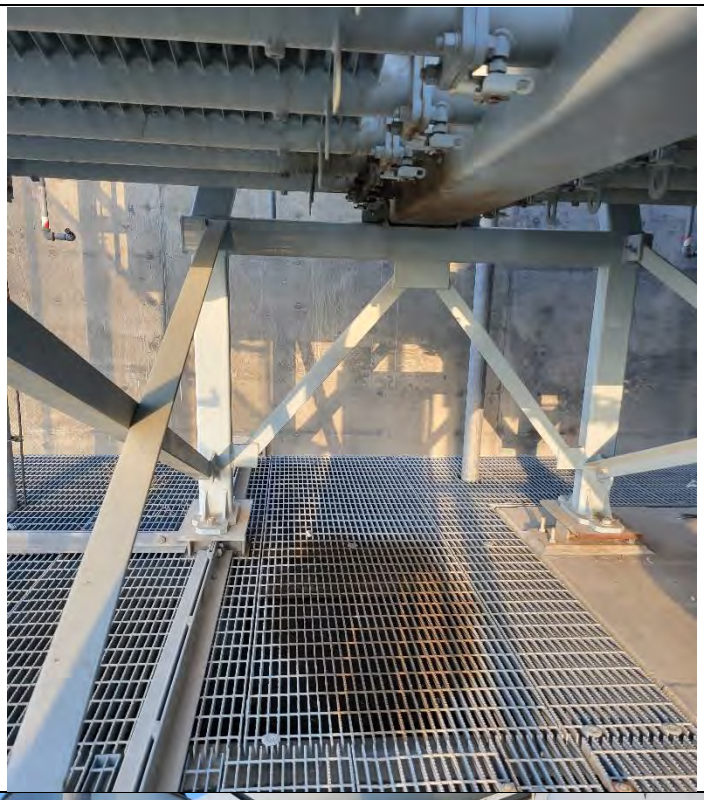


Photograph 34:

Second transformer in southern pair.

Photo Direction:

North



Photograph 35:

Staining of grate observed beneath the southeast transformer.

Photo Direction:

West



Photograph 36:

Staining observed on grate and concrete beneath tubing run from the southeast transformer to a plastic jug labeled "Hytrans 81 Petroleum Distillate & Water."

Photo Direction:

Southwest



Photograph 37:

Discolored water observed in concrete sump beneath the southeast transformer.

Photo Direction:

N/A



Photograph 38:

Northern pair of transformers located in the center of the Subject Property.

Photo Direction:

North



Photograph 39:

Staining of grate and concrete sump observed beneath the northwest transformer.

Photo Direction:

North



Photograph 40:

Staining of concrete observed below main tank drain valve of the northwest transformer.

Photo Direction:

East

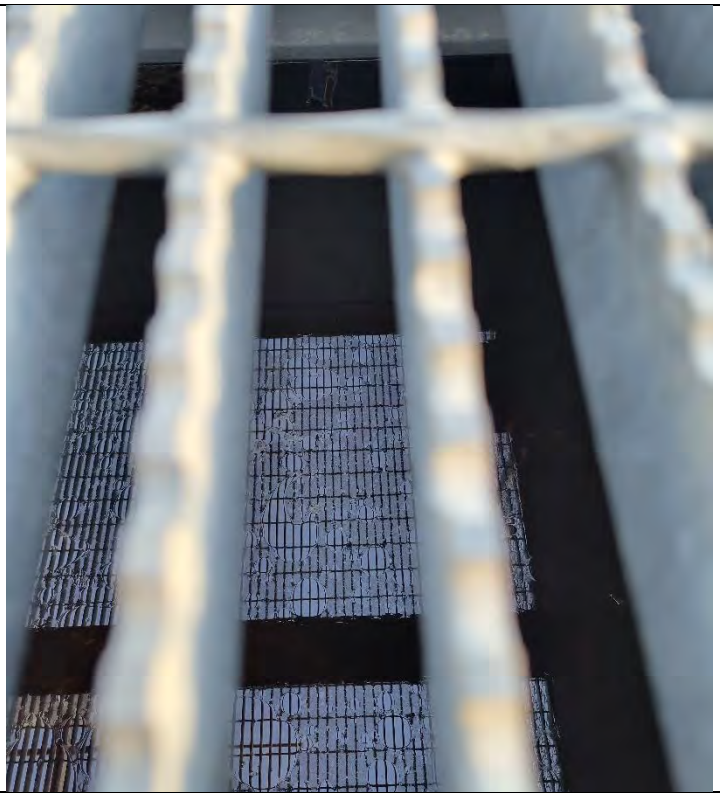


Photograph 41:

Staining of concrete observed beneath piping of the northeast transformer.

Photo Direction:

North



Photograph 42:

Oil globules observed on water in the concrete sump beneath the northeast transformer.

Photo Direction:

N/A



Photograph 43:

Manholes contain buried electrical conduits leading to the control room building.

Photo Direction:

East



Photograph 44:

Empty space in transformer concrete structure formerly housed an inverter used to start the generating turbines.

Photo Direction:

West



Photograph 45:

View of northeast corner of fenced portion of subject property. Area formerly contained a hazardous materials storage building. Spare three phase transformer is observed within a containment berm observed in the center of the photo

Photo Direction:

East

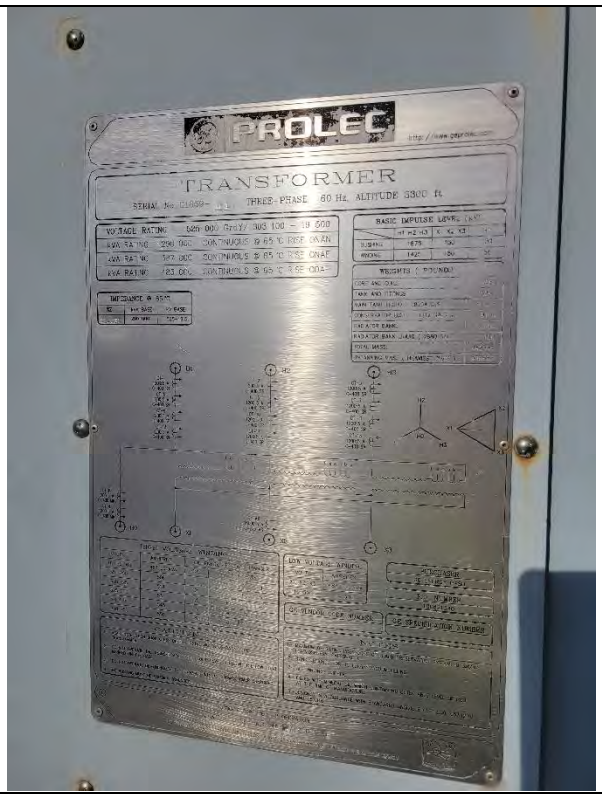


Photograph 46:

Spare three-phase transformer in containment berm.

Photo Direction:

West



Photograph 47:

Plaque on spare transformer indicating that it is filled with oils containing no detectable levels of PCBs.

Photo Direction:

West



Photograph 48:

View of the northern edge of the fenced portion of the subject property. On the right side of the photo, the vacant parcel 331-180-021 is observed. Parcel was used for staging of equipment and supplies during the facility construction, but has since remained vacant.

Photo Direction:

West

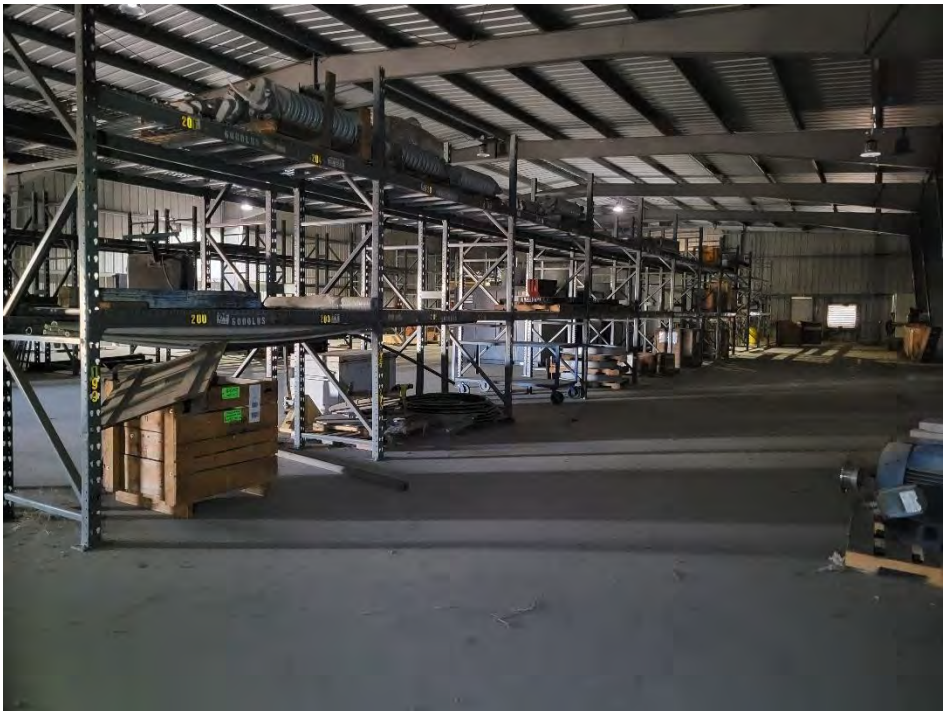


Photograph 49:

Empty roll off dumpster observed south of warehouse building.

Photo Direction:

North



Photograph 50:

Warehouse building interior.

Photo Direction:

North



Photograph 51:

Spill kit, empty 55-gallon drums and a full drum labeled as containing non-hazardous water observed on west side of the warehouse building.

Photo Direction:

Northeast



Photograph 52:

Two empty emergency diesel generators are stored on the west side of the warehouse building.

Photo Direction:

Northwest



Photograph 53:

Spare equipment including knockout drum, natural gas compressors, and Fin Fan coolers observed stored on north side of warehouse building.

Photo Direction:

Northeast



Photograph 54:

Parking lot & emergency muster point at the front of the control room building. The gate to the property is on the right side of the photo.

Photo Direction:

West



Photograph 55:

Areas outside of fenced portion of the subject property, west of the warehouse building.

Photo Direction:

North



Photograph 56:

Dumped tires observed along the northern edge of the subject property.

Photo Direction:

North



Photograph 57:

Disused Holliday Trucking concrete manufacturing facility north-adjoining to the subject property.

Photo Direction:

North



Photograph 58:

View of vacant parcel 331-180-021.

Photo Direction:

East



Photograph 59:

View of San Jacinto Road and SCRA San Jacinto Branch railroad northeast of the subject property.

Photo Direction:

Northwest



Photograph 60:

View of San Jacinto Road and vacant parcel east of subject property.

Photo Direction:

Southeast



Photograph 61:

Romoland Flood Control Channel, adjacent to the south of the subject property.

Photo Direction:

West



Photograph 62:

Tire and trash dump observed beneath SCE transmission lines south of subject property. New single family residential housing tract construction visible in background.

Photo Direction:

South

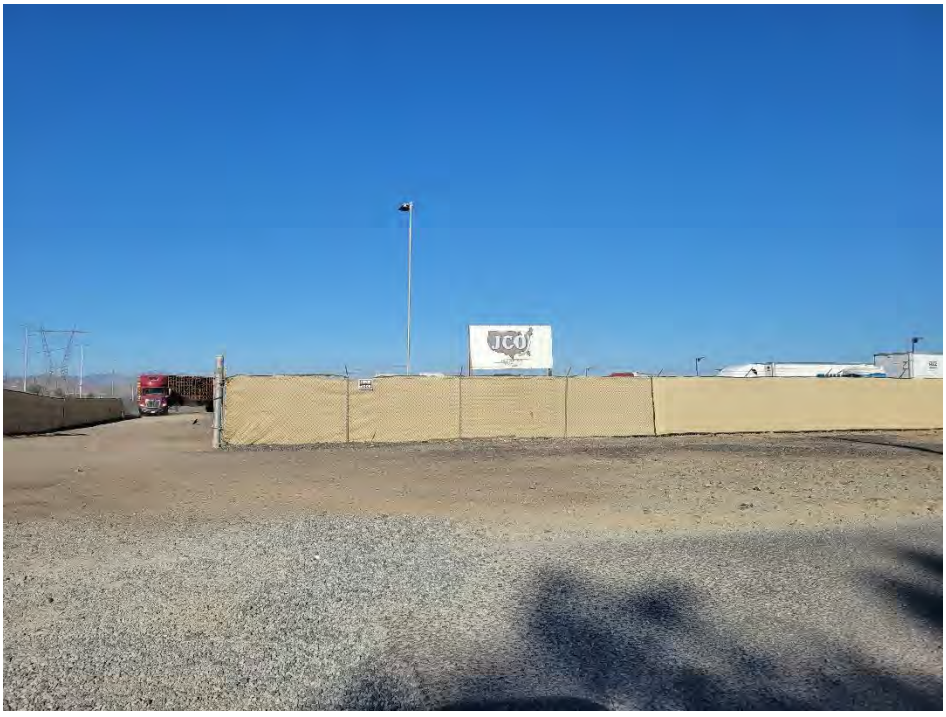


Photograph 63:

View of Antelope Road from southwestern exterior corner of subject property. Transformer observed mounted on electrical pole.

Photo Direction:

North



Photograph 64:

JCO Pallet Solutions Inc., located on the west side of Antelope Road from the subject property.

Photo Direction:

West



Photograph 65:

RV Storage of Murrieta Valley, located on the west side of Antelope Road from the subject property.

Photo Direction:

West



Photograph 66:

Equipment yard, located on the west side of Antelope Road from the subject property.

Photo Direction:

West



Photograph 67:

Pad mounted transformer observed north of main entrance to the subject property

Photo Direction:

South



Photograph 68:

Pad mounted transformers observed in northwest corner of subject property. Disused Holliday Trucking facility visible in background.

Photo Direction:

Northeast

Appendix C

Regulatory Record and Physical Setting Report

26226 Antelope Road
26226 Antelope Road
Sun City, CA 92585

Inquiry Number: 7130970.2s
September 27, 2022

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	299
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-15
Physical Setting Source Map Findings	A-17
Physical Setting Source Records Searched	PSGR-1

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 (E1527-21), 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

26226 ANTELOPE ROAD
SUN CITY, CA 92585

COORDINATES

Latitude (North):	33.7388770 - 33ˆ 44' 19.95''
Longitude (West):	117.1695590 - 117ˆ 10' 10.41''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	484293.5
UTM Y (Meters):	3733023.0
Elevation:	1446 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015913 ROMOLAND, CA
Version Date:	2018
North Map:	12015907 PERRIS, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603, 20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
26226 ANTELOPE ROAD
SUN CITY, CA 92585

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BREWER CRANE	26226 ANTELOPE RD	HAZNET, HWTS		TP
A2	TOTAL WESTERNNA INC	26226 ANTELOPE RD #	FINDS		TP
A3	TIC-THE INDUSTRIAL C	26226 ANTELOPE RD	FINDS		TP
A4	INDUSTRA SERVICE COR	26226 ANTELOPE RD #	FINDS		TP
A5		26226 ANTELOPE RD	CHMIRS		TP
A6		26226 ANTELOPE RD. (	CHMIRS		TP
A7	CALPINE NOVA POWER,	26226 ANTELOPE RD	FINDS		TP
A8	INLAND EMPIRE ENERGY	26226 ANTELOPE RD	AST, CHMIRS, EMI		TP
A9		26226 ANTELOPE ROAD	CHMIRS		TP
A10	TITIAN CONTRACTING &	26226 ANTELOPE RD	HAZNET, HWTS		TP
A11	BOLYLE ENERGY SERVIC	26226 ANTELOPE RD	HWTS		TP
A12	CALPINE NOVA POWER,	26226 ANTELOPE RD	HWTS		TP
A13	SPX COOLING TECHNOLO	26226 ANTELOPE RD	HWTS		TP
A14	INLAND EMPIRE ENERGY	26226 ANTELOPE ROAD	NPDES, CIWQS		TP
A15	K M INDUSTRIAL	26226 ANTELOPE RD	HWTS		TP
A16	BIGGE CRANE	26226 ANTELOPE RD	HAZNET, HWTS		TP
A17	INLAND EMPIRE ENERGY	26226 ANTELOPE ROAD	CIWQS		TP
A18	TIC INC	26226 ANTELOPE RD	HAZNET, HWTS		TP
A19	TOP GRADE CONSTRUCTI	26226 ANTELOPE RD	HAZNET, HWTS		TP
A20	INLAND EMPIRE ENERGY	26226 ANTELOPE RD	HAZNET, CIWQS, CERS, HWTS		TP
A21	INLAND EMPIRE ENERGY	26226 ANTELOPE RD	ICIS, US AIRS		TP
A22	INLAND EMPIRE ENERGY	26226 ANTELOPE RD	HAZNET, HWTS		TP
A23	INLAND EMPIRE ENERGY	26226 ANTELOPE ROAD	RCRA-LQG		TP
A24	INLAND EMPIRE ENERGY	26226 ANTELOPE ROAD	RMP		TP
A25	MARLEY COOLING TOWER	26226 ANTELOPE RD	HAZNET, HWTS		TP
A26	THE CONCO COMPANY	26226 ANTELOPE RD #	FINDS		TP
A27	GE CENTERLINE INSTAL	26226 ANTELOPE RD #	FINDS		TP
A28	CALPINE NOVA POWER,	26226 ANTELOPE RD	ECHO		TP
A29	CALPINE NOVA POWER,	26226 ANTELOPE RD	RCRA NonGen / NLR		TP
A30	INLAND EMPIRE ENERGY	26226 ANTELOPE RD	RCRA NonGen / NLR		TP
A31	TITAN CONTRACTING &	26226 ANTELOPE RD	HAZNET, HWTS		TP
A32	INLAND EMPIRE ENERGY	26226 ANTELOPE RD	FINDS, ECHO		TP
A33	INLAND EMPIRE ENERGY	26226 ANTELOPE ROAD	RMP, COAL ASH DOE		TP
A34	INLAND EMPIRE ENERGY	26226 ANTELOPE RD	HAZNET, HWTS		TP
B35	IEEC ROMOLAND FACILI		CERS	Lower	1 ft.
B36	IEEC ROMOLAND FACILI		CIWQS	Lower	1 ft.
C37	BLOCK GRAPHICS	28401 MATTHEWS RD	CERS HAZ WASTE, HAZNET, NPDES, CIWQS, CERS, HWTS	Higher	174, 0.033, NE
C38	BLOCK GRAPHICS	28401 MATTHEWS	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	174, 0.033, NE
D39	ADVANCED EROSION SER	27955 MCLAUGHLIN AVE	CERS HAZ WASTE, CERS TANKS, CERS	Lower	581, 0.110, SW

MAPPED SITES SUMMARY

Target Property Address:
26226 ANTELOPE ROAD
SUN CITY, CA 92585

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40	AES CORP DBA AES CON	27955 MCLAUGHLIN AVE	RCRA NonGen / NLR	Lower	581, 0.110, SW
D41	ADVANCED EROSION SER	27955 MCLAUGHLIN AVE	AST	Lower	581, 0.110, SW
E42	DATATRONICS INC	28151 HWY 74	RCRA-LQG	Higher	584, 0.111, NNE
E43	DATATRONICS INC	28151 HWY 74	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	584, 0.111, NNE
F44	EASTERN MUNICIPAL WA	27990 ETHANAC	SWEEPS UST, EMI	Lower	754, 0.143, NNW
F45	ROMOLAND PUMPING PLA	27990 ETHANAC	HIST UST	Lower	754, 0.143, NNW
F46	ROMOLAND PUMP PLANT	27990 ETHANAC RD	RCRA NonGen / NLR	Lower	754, 0.143, NNW
F47	CALMAT CO ROMOLAND	28023 ETHANAC	RCRA-SQG, FINDS, ECHO	Lower	785, 0.149, NW
G48	AHERN RENTALS INC	28261 US HIGHWAY 74	RCRA NonGen / NLR	Higher	823, 0.156, NE
G49	AHERN RENTALS, INC.	28261 E. HIGHWAY 74	CERS HAZ WASTE, CERS TANKS, CERS	Higher	846, 0.160, NNE
G50	AHERN RENTALS, INC.	28261 E. HIGHWAY 74	AST	Higher	846, 0.160, NNE
G51	AMERIMAX	28921 E HWY 74	RCRA-SQG, FINDS, ECHO, EMI, WDS	Higher	924, 0.175, NE
H52	SAHARA SCAFFOLD INC	26245 ANTELOPE RD	RCRA NonGen / NLR	Higher	965, 0.183, NNW
H53	AMERICAN CONTRACTING	26245 ANTELOPE RD	RCRA NonGen / NLR	Higher	965, 0.183, NNW
H54	HOLLIDAY ROCK	26100 ANTELOPE RD.	RCRA NonGen / NLR	Higher	966, 0.183, NNW
H55	HOLLIDAY TRUCKING -	26100 ANTELOPE RD #2	AST	Higher	966, 0.183, NNW
H56	HIGH SCHOOL NO. 3	BRIGGS ROAD/PINACATE	ENVIROSTOR, SCH	Higher	1241, 0.235, NNW
I57	AMERICAN MEDICAL RES	26035 PALOMAR RD	CERS HAZ WASTE, CERS, HWTS	Higher	1312, 0.248, ENE
I58	CASS CONSTRUCTION IN	26035 PALOMAR RD	RCRA NonGen / NLR	Higher	1312, 0.248, ENE
I59	CASS CONSTRUCTION, I	26035 PALOMAR RD	AST	Higher	1312, 0.248, ENE
I60	AMERICAN MEDICAL RES	26035 PALOMAR RD	RCRA NonGen / NLR	Higher	1312, 0.248, ENE
61	ROMOLAND MARKET	27856 HIGHWAY 74	LUST, SWEEPS UST, HIST UST, Cortese, HIST CORTESE,...	Lower	1717, 0.325, NNW
J62	B.P. JOHN RECYCLING,		LOS ANGELES CO LF METHANE	Higher	2203, 0.417, ESE
J63	WILSON UTILITY CONST	28700 MATTHEWS RD	SWF/LF, CERS HAZ WASTE, LDS, HAZNET, NPDES, CERS,...	Higher	2242, 0.425, ESE
64	B.P. JOHN RECYCLING	28700 MATHEWS ROAD	SWF/LF, CERS	Higher	2535, 0.480, East
65	PROPOSED ELEMENTARY	ROUSE ROAD/SHERMAN R	ENVIROSTOR, SCH	Higher	4352, 0.824, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
BREWER CRANE 26226 ANTELOPE RD SUN CITY, CA 92585	HAZNET GEPAID: CAC002611562 HWTS	N/A
TOTAL WESTERNNA INC 26226 ANTELOPE RD # ROMOLAND, CA 92585	FINDS Registry ID:: 110066660269	N/A
TIC-THE INDUSTRIAL C 26226 ANTELOPE RD ROMOLAND, CA 92585	FINDS Registry ID:: 110066648612	N/A
INDUSTRA SERVICE COR 26226 ANTELOPE RD # ROMOLAND, CA 92585	FINDS Registry ID:: 110066430204	N/A
26226 ANTELOPE RD 26226 ANTELOPE RD SUN CITY, CA	CHMIRS OES Incident Number: 6-7406	N/A
26226 ANTELOPE RD. (26226 ANTELOPE RD. (ROMOLAND, CA 92585	CHMIRS OES Incident Number: 6-6896	N/A
CALPINE NOVA POWER, 26226 ANTELOPE RD MENIFEE, CA 92585	FINDS	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE RD MENIFEE, CA 92585	AST Database: AST, Date of Government Version: 07/06/2016 CHMIRS OES Incident Number: 1-1542 OES Incident Number: 10-0226 EMI Facility Id: 129816	N/A
26226 ANTELOPE ROAD 26226 ANTELOPE ROAD ROMOLAND, CA 92585	CHMIRS	N/A

EXECUTIVE SUMMARY

OES Incident Number: 08-0807
OES Incident Number: 7-1522
OES Incident Number: 7-6127
OES Incident Number: 6-7105

TITIAN CONTRACTING & 26226 ANTELOPE RD ROMOLAND, CA 92585	HAZNET GEPAID: CAC002611361 HWTS	N/A
BOLYLE ENERGY SERVIC 26226 ANTELOPE RD ROMOLAND, CA 92585	HWTS	N/A
CALPINE NOVA POWER, 26226 ANTELOPE RD MENIFEE, CA 92585	HWTS	N/A
SPX COOLING TECHNOLO 26226 ANTELOPE RD ROMOLAND, CA 92585	HWTS	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE ROAD MENIFEE, CA 92585	NPDES Facility Status: Terminated CIWQS	N/A
K M INDUSTRIAL 26226 ANTELOPE RD ROMOLAND, CA 92585	HWTS	N/A
BIGGE CRANE 26226 ANTELOPE RD SUN CITY, CA 92585	HAZNET GEPAID: CAC002599736 HWTS	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE ROAD ROMOLAND, CA 92585	CIWQS	N/A
TIC INC 26226 ANTELOPE RD ROMOLAND, CA 92585	HAZNET GEPAID: CAC002603049 HWTS	N/A
TOP GRADE CONSTRUCTI 26226 ANTELOPE RD ROMOLAND, CA 92585	HAZNET	N/A

	GEPAID: CAC002607248 HWTS	
INLAND EMPIRE ENERGY 26226 ANTELOPE RD ROMOLAND, CA 92585	HAZNET GEPAID: CAL000297769 CIWQS CERS HWTS	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE RD ROMOLAND, CA 92585	ICIS FRS ID:: 110030747011 US AIRS Database: US AIRS (AFS), Date of Government Version: 10/12/2016 EPA plant ID:: 110030747011	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE RD MENIFEE, CA 92585	HAZNET GEPAID: CAP000220002 HWTS	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE ROAD MENIFEE, CA 92585	RCRA-LQG EPA ID:: CAR000216952	CAR000216952
INLAND EMPIRE ENERGY 26226 ANTELOPE ROAD ROMOLAND, CA 92585	RMP	N/A
MARLEY COOLING TOWER 26226 ANTELOPE RD SUN CITY, CA 92585	HAZNET GEPAID: CAC002612332 HWTS	N/A
THE CONCO COMPANY 26226 ANTELOPE RD # ROMOLAND, CA 92585	FINDS Registry ID:: 110065585325	N/A
GE CENTERLINE INSTAL 26226 ANTELOPE RD # ROMOLAND, CA 92585	FINDS Registry ID:: 110065886900	N/A
CALPINE NOVA POWER, 26226 ANTELOPE RD MENIFEE, CA 92585	ECHO Registry ID: 110071189714	N/A
CALPINE NOVA POWER, 26226 ANTELOPE RD MENIFEE, CA 92585	RCRA NonGen / NLR	CAC003147272

EXECUTIVE SUMMARY

EPA ID:: CAC003147272

INLAND EMPIRE ENERGY 26226 ANTELOPE RD MENIFEE, CA 92585	RCRA NonGen / NLR EPA ID:: CAP000220002	CAP000220002
TITAN CONTRACTING & 26226 ANTELOPE RD ROMOLAND, CA 92585	HAZNET GEPAID: CAC002625804 HWTS	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE RD ROMOLAND, CA 92585	FINDS Registry ID:: 110030747011 ECHO Registry ID: 110030747011	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE ROAD MENIFEE, CA 92585	RMP COAL ASH DOE	N/A
INLAND EMPIRE ENERGY 26226 ANTELOPE RD ROMOLAND, CA 92585	HAZNET GEPAID: CAL000316116 HWTS	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

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

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

EXECUTIVE SUMMARY

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
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
CDL ..... Clandestine Drug Labs
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register
PFAS ..... PFAS Contamination Site Location Listing
AQUEOUS FOAM ..... Former Fire Training Facility Assessments Listing

Local Lists of Registered Storage 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
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System

SSTS Section 7 Tracking Systems
ROD Records Of Decision
RAATS RCRA Administrative Action Tracking System
PRP Potentially Responsible Parties
PADS PCB Activity Database System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS Material Licensing Tracking System
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 MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
DOCKET HWC Hazardous Waste Compliance Docket Listing
UXO Unexploded Ordnance Sites
FUELS PROGRAM EPA Fuels Program Registered Listing
CA BOND EXP. PLAN Bond Expenditure Plan
CUPA Listings CUPA Resources List
DRYCLEANERS Cleaner Facilities
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
ICE ICE
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/20/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DATATRONICS INC EPA ID:: CAD009532979	28151 HWY 74	NNE 0 - 1/8 (0.111 mi.)	E42	177

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BLOCK GRAPHICS EPA ID:: CAR000076968	***28401 MATTHEWS***	***NE 0 - 1/8 (0.033 mi.)***	***C38***	***147***
AMERIMAX EPA ID:: CAR000079079	***28921 E HWY 74***	***NE 1/8 - 1/4 (0.175 mi.)***	***G51***	***245***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALMAT CO ROMOLAND EPA ID:: CAR000012500	***28023 ETHANAC***	***NW 1/8 - 1/4 (0.149 mi.)***	***F47***	***226***

Lists of state- and tribal hazardous waste facilities

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/25/2022 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HIGH SCHOOL NO. 3 Facility Id: 33010072 Status: No Further Action	***BRIGGS ROAD/PINACATE***	***NNW 1/8 - 1/4 (0.235 mi.)***	***H56***	***258***
PROPOSED ELEMENTARY Facility Id: 60001068 Status: No Action Required	***ROUSE ROAD/SHERMAN R***	***SSW 1/2 - 1 (0.824 mi.)***	***65***	***296***

Lists of state and tribal landfills and solid waste disposal facilities

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILSON UTILITY CONST Database: LOS ANGELES CO. LF, Date of Government Version: 07/11/2022	***28700 MATTHEWS RD***	***ESE 1/4 - 1/2 (0.425 mi.)***	***J63***	***285***

Site ID: 2744
Status: Active

B.P. JOHN RECYCLING ***28700 MATHEWS ROAD*** ***E 1/4 - 1/2 (0.480 mi.)*** ***64*** ***293***
Database: SWF/LF (SWIS), Date of Government Version: 05/09/2022
Facility ID: 33-AA-0301
Operational Status: Active
Regulation Status: Notification

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROMOLAND MARKET	***27856 HIGHWAY 74***	***NNW 1/4 - 1/2 (0.325 mi.)***	***61***	***279***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 07/07/2022
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 92265
Global Id: T0606500088
Facility Status: 9
Global ID: T0606500088

Lists of state and tribal registered storage tanks

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AHERN RENTALS, INC.	28261 E. HIGHWAY 74	NNE 1/8 - 1/4 (0.160 mi.)	G50	245
Database: AST, Date of Government Version: 07/06/2016				
HOLLIDAY TRUCKING -	26100 ANTELOPE RD #2	NNW 1/8 - 1/4 (0.183 mi.)	H55	257
Database: AST, Date of Government Version: 07/06/2016				
CASS CONSTRUCTION, I	26035 PALOMAR RD	ENE 1/8 - 1/4 (0.248 mi.)	I59	276
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADVANCED EROSION SER	27955 MCLAUGHLIN AVE	SW 0 - 1/8 (0.110 mi.)	D41	177
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

SCH: 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.

A review of the SCH list, as provided by EDR, and dated 04/25/2022 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HIGH SCHOOL NO. 3	***BRIGGS ROAD/PINACATE***	***NNW 1/8 - 1/4 (0.235 mi.)***	***H56***	***258***
Facility Id: 33010072				
Status: No Further Action				

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

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/18/2022 has revealed that there are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BLOCK GRAPHICS	***28401 MATTHEWS RD***	***NE 0 - 1/8 (0.033 mi.)***	***C37***	***123***
DATATRONICS INC	***28151 HWY 74***	***NNE 0 - 1/8 (0.111 mi.)***	***E43***	***182***
AHERN RENTALS, INC.	***28261 E. HIGHWAY 74***	***NNE 1/8 - 1/4 (0.160 mi.)***	***G49***	***231***
AMERICAN MEDICAL RES	***26035 PALOMAR RD***	***ENE 1/8 - 1/4 (0.248 mi.)***	***I57***	***261***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADVANCED EROSION SER	***27955 MCLAUGHLIN AVE***	***SW 0 - 1/8 (0.110 mi.)***	***D39***	***170***

Local Lists of Registered Storage Tanks

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

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
EASTERN MUNICIPAL WA	***27990 ETHANAC***	***NNW 1/8 - 1/4 (0.143 mi.)***	***F44***	***220***
Status: A				
Tank Status: A				
Comp Number: 30880				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROMOLAND PUMPING PLA Facility Id: 00000030880	27990 ETHANAC	NNW 1/8 - 1/4 (0.143 mi.)	F45	223

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

A review of the CERS TANKS list, as provided by EDR, and dated 04/18/2022 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AHERN RENTALS, INC.	***28261 E. HIGHWAY 74***	***NNE 1/8 - 1/4 (0.160 mi.)***	***G49***	***231***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADVANCED EROSION SER	***27955 MCLAUGHLIN AVE***	***SW 0 - 1/8 (0.110 mi.)***	***D39***	***170***

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there are 8 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AHERN RENTALS INC EPA ID:: CAL000311509	28261 US HIGHWAY 74	NE 1/8 - 1/4 (0.156 mi.)	G48	229
SAHARA SCAFFOLD INC EPA ID:: CAL000432400	26245 ANTELOPE RD	NNW 1/8 - 1/4 (0.183 mi.)	H52	250
AMERICAN CONTRACTING EPA ID:: CAL000356518	26245 ANTELOPE RD	NNW 1/8 - 1/4 (0.183 mi.)	H53	252
HOLLIDAY ROCK EPA ID:: CAC003108460	26100 ANTELOPE RD.	NNW 1/8 - 1/4 (0.183 mi.)	H54	255
CASS CONSTRUCTION IN EPA ID:: CAL000405087	26035 PALOMAR RD	ENE 1/8 - 1/4 (0.248 mi.)	I58	273
AMERICAN MEDICAL RES EPA ID:: CAL000459760	26035 PALOMAR RD	ENE 1/8 - 1/4 (0.248 mi.)	I60	276

Lower Elevation	Address	Direction / Distance	Map ID	Page
AES CORP DBA AES CON	27955 MCLAUGHLIN AVE	SW 0 - 1/8 (0.110 mi.)	D40	174

EPA ID:: CAL000378765

ROMOLAND PUMP PLANT EPA ID:: CAL000325512	27990 ETHANAC RD	NNW 1/8 - 1/4 (0.143 mi.)	F46	224

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

A review of the Cortese list, as provided by EDR, and dated 06/21/2022 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROMOLAND MARKET	***27856 HIGHWAY 74***	***NNW 1/4 - 1/2 (0.325 mi.)***	***61***	***279***

Cleanup Status: COMPLETED - CASE CLOSED

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

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROMOLAND MARKET	***27856 HIGHWAY 74***	***NNW 1/4 - 1/2 (0.325 mi.)***	***61***	***279***

Reg Id: 083300832T

CIWQS: 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.

A review of the CIWQS list, as provided by EDR, and dated 08/16/2022 has revealed that there is 1 CIWQS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
IEEC ROMOLAND FACILI		0 - 1/8 (0.000 mi.)	B36	123

CERS: 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

A review of the CERS list, as provided by EDR, and dated 04/18/2022 has revealed that there is 1 CERS site within approximately 0.001 miles of the target property.

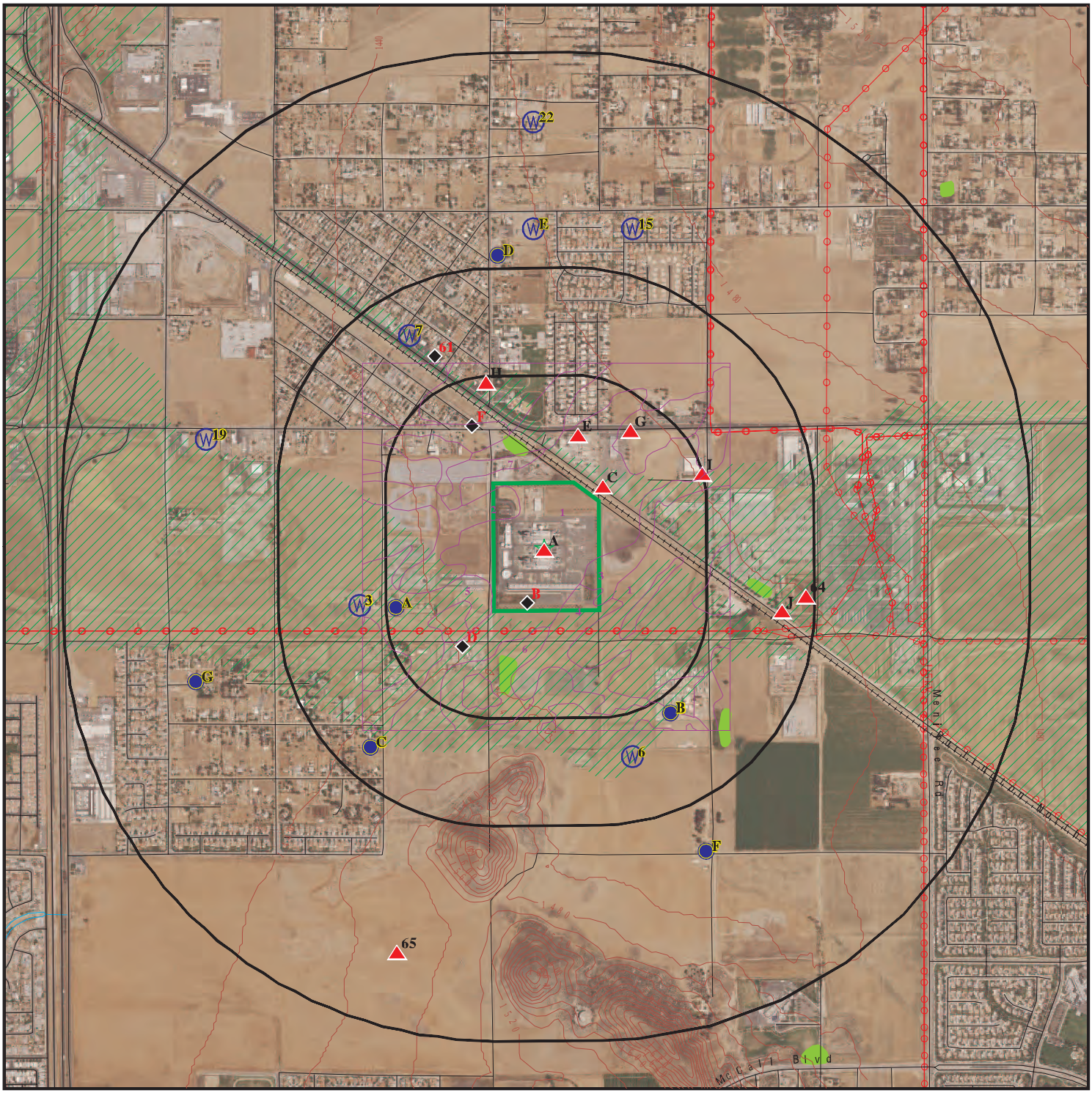
Lower Elevation	Address	Direction / Distance	Map ID	Page
IEEC ROMOLAND FACILI		0 - 1/8 (0.000 mi.)	B35	123

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
	CDL
ANTELOPE ROAD WASTE TIRE SITE	RGA LF
ANTELOPE ROAD WASTE TIRE PILE	RGA LF
ANTELOPE ROAD WASTE TIRE SITE	RGA LF

OVERVIEW MAP - 7130970.2S



0 1/4 1/2 1 Miles

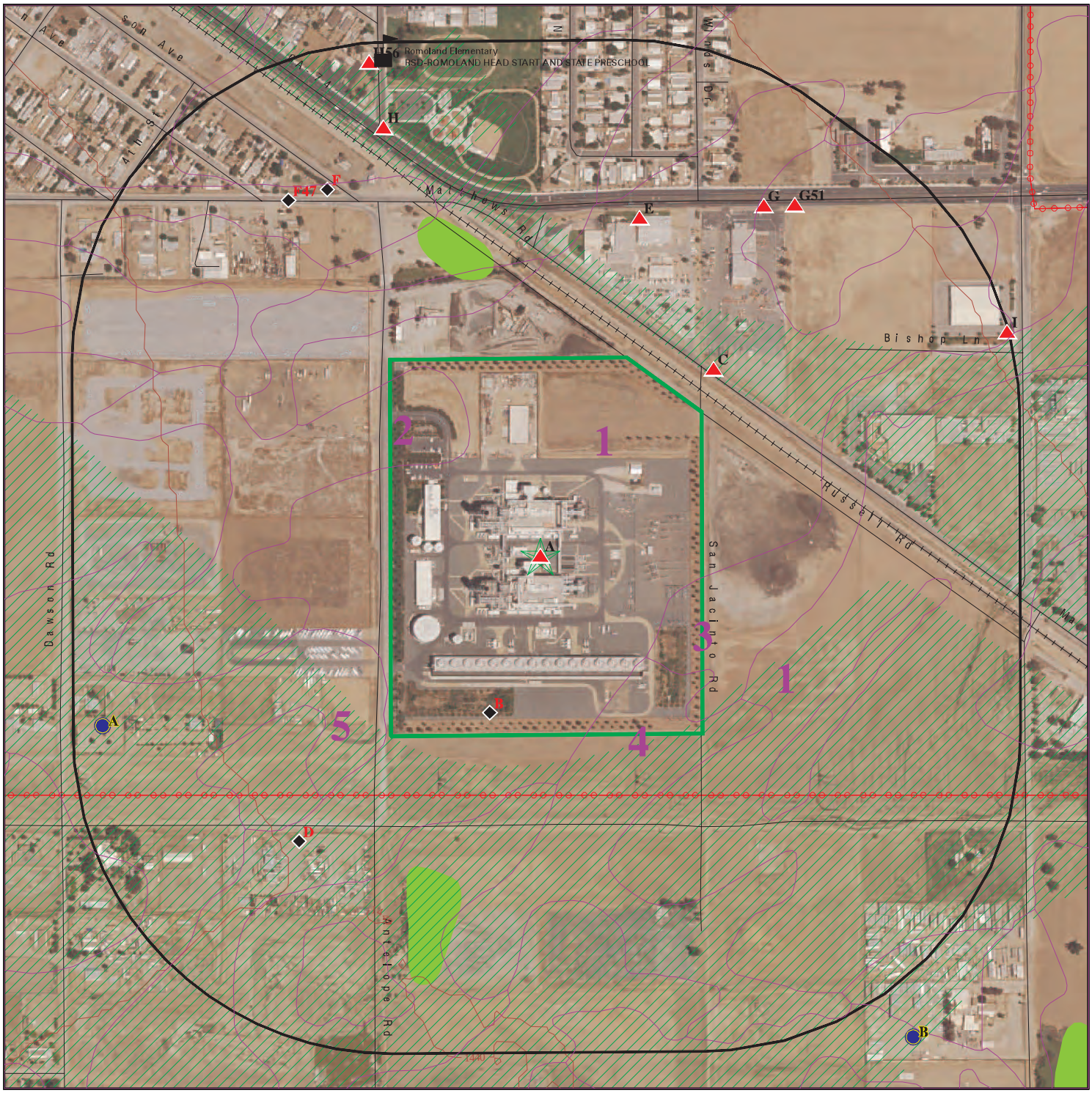
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)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

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

SITE NAME: 26226 Antelope Road	CLIENT: Terraphase Engineering Inc.
ADDRESS: 26226 Antelope Road Sun City CA 92585	CONTACT: Andrea Radtke
LAT/LONG: 33.738877 / 117.169559	INQUIRY #: 7130970.2s DATE: September 27, 2022 3:30 pm

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DETAIL MAP - 7130970.2S



- 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

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LAT/LONG: 33.738877 / 117.169559	INQUIRY #: 7130970.2s DATE: September 27, 2022 3:30 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
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
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250	1	1	0	NR	NR	NR	2
RCRA-SQG	0.250		1	2	NR	NR	NR	3
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 CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	1	0	1	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	2	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250	1	1	3	NR	NR	NR	5
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield 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	1	NR	NR	NR	1
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		3	2	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	1	NR	NR	NR	1
CA FID UST	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
CERS TANKS	0.250		1	1	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
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	4	0	NR	NR	NR	NR	4
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	2	1	7	NR	NR	NR	10
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	2	0	NR	NR	NR	NR	2
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	1	0	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001	1	0	NR	NR	NR	NR	1
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	1	0	NR	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	7	0	NR	NR	NR	NR	7
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001	2	0	NR	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001	1	0	NR	NR	NR	NR	1
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	10	0	NR	NR	NR	NR	10
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	1	0	NR	NR	NR	NR	1
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	3	1	NR	NR	NR	NR	4
CERS	0.001	1	1	NR	NR	NR	NR	2
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP	14	NR	NR	NR	NR	NR	14
MINES MRDS	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 --		52	10	19	5	1	0	87

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property **BREWER CRANE**
26226 ANTELOPE RD
SUN CITY, CA 92585

HAZNET S112958299
HWTS N/A

Site 1 of 34 in cluster A

Actual: 1446 ft.

HAZNET:

Name:	BREWER CRANE
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	SUN CITY, CA 925858739
Contact:	JAMES WOOLEY
Telephone:	6193908252
Mailing Name:	Not reported
Mailing Address:	10125 CHANNEL RD
Year:	2006
Gepaid:	CAC002611562
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.05

Additional Info:

Year:	2006
Gen EPA ID:	CAC002611562
Shipment Date:	20061221
Creation Date:	4/19/2007 18:31:46
Receipt Date:	20070104
Manifest ID:	001602734JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BREWER CRANE
Address:	26226 ANTELOPE RD
Address 2:	Not reported

BREWER CRANE (Continued) **S112958299**

City,State,Zip:	SUN CITY, CA 92585
EPA ID:	CAC002611562
Inactive Date:	06/14/2007
Create Date:	12/15/2006
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	10125 CHANNEL RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LAKESIDE, CA 920401703
Owner Name:	BRENT BREWER
Owner Address:	10125 CHANNEL RD
Owner Address 2:	Not reported
Owner City,State,Zip:	LAKESIDE, CA 920401703
Contact Name:	JAMES WOOLEY
Contact Address:	10125 CHANNEL RD
Contact Address 2:	Not reported
City,State,Zip:	LAKESIDE, CA 920401703
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A2 **TOTAL WESTERNNA INC** **FINDS** **1023368343**
Target Property **26226 ANTELOPE RD # G** **N/A**
ROMOLAND, CA 92585

Site 2 of 34 in cluster A

Actual: 1446 ft.

FINDS:
Registry ID: 110066660269

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A3 **TIC-THE INDUSTRIAL CO AT INLAND EMP** **FINDS** **1023367232**
Target Property **26226 ANTELOPE RD** **N/A**
ROMOLAND, CA 92585

Site 3 of 34 in cluster A

Actual: 1446 ft.

FINDS:
Registry ID: 110066648612

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4 **INDUSTRA SERVICE CORP.** **FINDS** **1023346992**
Target **26226 ANTELOPE RD # B** **N/A**
Property **ROMOLAND, CA 92585**

Site 4 of 34 in cluster A

Actual: FINDS:
1446 ft. Registry ID: 110066430204

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A5 **CHMIRS** **S109037874**
Target **26226 ANTELOPE RD** **N/A**
Property **SUN CITY, CA**

Site 5 of 34 in cluster A

Actual: CHMIRS:
1446 ft.

Name:	Not reported
Address:	26226 ANTELOPE RD
City,State,Zip:	SUN CITY, CA
OES Incident Number:	6-7406
OES notification:	12/15/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported

(Continued) **S109037874**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	SPX Cooling Technology
Incident Date:	12/15/2006 12:00:00 AM
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Hydraulic Fluid
Gallons:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released from a crane due to a hydraulic hose failing. Absorbent pads have been applied.

A6 **CHMIRS** **S109037875**
Target Property **26226 ANTELOPE RD. (POWERPLANT CONSTRUCTION SITE)** **N/A**
ROMOLAND, CA 92585

Site 6 of 34 in cluster A

Actual: 1446 ft.

CHMIRS:

Name:	Not reported
Address:	26226 ANTELOPE RD. (POWERPLANT CONSTRUCTION SITE)
City,State,Zip:	ROMOLAND, CA 92585
OES Incident Number:	6-6896
OES notification:	11/20/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S109037875**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	General Electric
Incident Date:	11/20/2006 12:00:00 AM
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Hydraulic Fluid
Gallons:	15-20
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release due to a ruptured hose on a crane.

A7 **CALPINE NOVA POWER, LLC** **FINDS** **1027137592**
Target **26226 ANTELOPE RD** **N/A**
Property **MENIFEE, CA 92585**

Site 7 of 34 in cluster A

Actual: **1446 ft.**

FINDS:
Registry ID: 110071189714

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A8 **INLAND EMPIRE ENERGY CENTER, LLC** **AST** **S108756602**
Target **26226 ANTELOPE RD** **CHMIRS** **N/A**
Property **MENIFEE, CA 92585** **EMI**

Site 8 of 34 in cluster A

Actual: **1446 ft.**

AST:

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City/Zip:	MENIFEE,92585
Certified Unified Program Agencies:	Not reported
Owner:	Inland Empire Energy Center
Total Gallons:	Not reported
CERSID:	10324351
Facility ID:	Not reported
Business Name:	Inland Empire Energy Center, LLC
Phone:	9519285900
Fax:	Not reported
Mailing Address:	26226 Antelope Rd
Mailing Address City:	Menifee
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	Inland Empire Energy Center
Operator Phone:	9519285908
Owner Phone:	9519285900
Owner Mail Address:	26226 Antelope Rd
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAR000216952

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

CHMIRS:

Name:	Not reported
Address:	26226 ANTELOPE RD
City,State,Zip:	ANTELOPE, CA 92585
OES Incident Number:	1-1542
OES notification:	03/15/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	0
Year:	2011
Agency:	Inland Empire Energy Center
Incident Date:	3/15/2011
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Aqueous Ammonia
Quantity Released:	340
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During off loading of product from tanker to on-site tank experienced a hose rupture causing the release. The release was completely contained and has been cleaned up.

Name:	Not reported
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
OES Incident Number:	10-0226
OES notification:	01/12/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Utilities/Substation
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

Other:	Not reported
Date/Time:	430
Year:	2010
Agency:	IEEC
Incident Date:	1/12/2010
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Citric Acid
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	during a chemical stem clean a pipes valve was open causing this release

EMI:

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
Year:	2006
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0011951715071112704
Reactive Organic Gases Tons/Yr:	.001
Carbon Monoxide Emissions Tons/Yr:	.002
NOX - Oxides of Nitrogen Tons/Yr:	.01
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
Year:	2007
County Code:	33

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0011951715071112704
Reactive Organic Gases Tons/Yr:	.001
Carbon Monoxide Emissions Tons/Yr:	.002
NOX - Oxides of Nitrogen Tons/Yr:	.01
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
Year:	2008
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	53.13258876297142771
Reactive Organic Gases Tons/Yr:	4.9410665775
Carbon Monoxide Emissions Tons/Yr:	9.3450337
NOX - Oxides of Nitrogen Tons/Yr:	26.81
SOX - Oxides of Sulphur Tons/Yr:	.35588175425
Particulate Matter Tons/Yr:	2.5575081575
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.2371081575

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
Year:	2009
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	124.616362917188
Reactive Organic Gases Tons/Yr:	11.4415
Carbon Monoxide Emissions Tons/Yr:	27.624393999999999
NOX - Oxides of Nitrogen Tons/Yr:	36.785848000000001
SOX - Oxides of Sulphur Tons/Yr:	4.1954039999999999
Particulate Matter Tons/Yr:	20.631340000000002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	19.545967839999999

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

City,State,Zip:	ROMOLAND, CA 92585
Year:	2010
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	293.44564930303801
Reactive Organic Gases Tons/Yr:	26.88983
Carbon Monoxide Emissions Tons/Yr:	55.983640000000001
NOX - Oxides of Nitrogen Tons/Yr:	72.914400000000001
SOX - Oxides of Sulphur Tons/Yr:	8.0898699999999995
Particulate Matter Tons/Yr:	95.99991
Part. Matter 10 Micrometers and Smllr Tons/Yr:	77.354690399999996

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
Year:	2011
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	256.92575949
Reactive Organic Gases Tons/Yr:	41.35646
Carbon Monoxide Emissions Tons/Yr:	101.16859
NOX - Oxides of Nitrogen Tons/Yr:	47.46303
SOX - Oxides of Sulphur Tons/Yr:	10.98316
Particulate Matter Tons/Yr:	54.04411
Part. Matter 10 Micrometers and Smllr Tons/Yr:	51.72155458

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	MENIFEE, CA 92585
Year:	2012
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	256.66668964
Reactive Organic Gases Tons/Yr:	23.49377
Carbon Monoxide Emissions Tons/Yr:	0.17888993
NOX - Oxides of Nitrogen Tons/Yr:	50.64846
SOX - Oxides of Sulphur Tons/Yr:	8.43414
Particulate Matter Tons/Yr:	41.69057
Part. Matter 10 Micrometers and Smllr Tons/Yr:	39.42500198

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	MENIFEE, CA 92585
Year:	2013
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	244.42960855
Reactive Organic Gases Tons/Yr:	22.38069
Carbon Monoxide Emissions Tons/Yr:	25.69514
NOX - Oxides of Nitrogen Tons/Yr:	27.26341
SOX - Oxides of Sulphur Tons/Yr:	4.02769525
Particulate Matter Tons/Yr:	20.49119
Part. Matter 10 Micrometers and Smllr Tons/Yr:	19.244306

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	MENIFEE, CA 92585
Year:	2014
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	248.08114496
Reactive Organic Gases Tons/Yr:	23.12762
Carbon Monoxide Emissions Tons/Yr:	6.80492
NOX - Oxides of Nitrogen Tons/Yr:	68.36313
SOX - Oxides of Sulphur Tons/Yr:	5.605655
Particulate Matter Tons/Yr:	28.23504
Part. Matter 10 Micrometers and Smllr Tons/Yr:	26.57470362

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	MENIFEE, CA 92585
Year:	2015
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	65.654252531
Reactive Organic Gases Tons/Yr:	6.39914771
Carbon Monoxide Emissions Tons/Yr:	3.95202813
NOX - Oxides of Nitrogen Tons/Yr:	17.78242364
SOX - Oxides of Sulphur Tons/Yr:	2.295083907

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

Particulate Matter Tons/Yr: 12.01250113
Part. Matter 10 Micrometers and Smllr Tons/Yr: 11.201972487

Name: INLAND EMPIRE ENERGY CENTER, LLC
Address: 26226 ANTELOPE RD
City,State,Zip: MENIFEE, CA 92585
Year: 2016
County Code: 33
Air Basin: SC
Facility ID: 129816
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 27.006923592
Reactive Organic Gases Tons/Yr: 2.54103
Carbon Monoxide Emissions Tons/Yr: 2.98348
NOX - Oxides of Nitrogen Tons/Yr: 8.28
SOX - Oxides of Sulphur Tons/Yr: 0.94117669
Particulate Matter Tons/Yr: 4.890544
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4.584590944

Name: INLAND EMPIRE ENERGY CENTER, LLC
Address: 26226 ANTELOPE RD
City,State,Zip: MENIFEE, CA 92585
Year: 2017
County Code: 33
Air Basin: SC
Facility ID: 129816
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 27.43104836
Reactive Organic Gases Tons/Yr: 2.57618
Carbon Monoxide Emissions Tons/Yr: 5.74198
NOX - Oxides of Nitrogen Tons/Yr: 9.04
SOX - Oxides of Sulphur Tons/Yr: 0.9124407
Particulate Matter Tons/Yr: 4.76446
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4.45937296

Name: INLAND EMPIRE ENERGY CENTER, LLC
Address: 26226 ANTELOPE RD
City,State,Zip: MENIFEE, CA 92585
Year: 2018
County Code: 33
Air Basin: SC
Facility ID: 129816
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 15.2546228
Reactive Organic Gases Tons/Yr: 1.47166281

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **S108756602**

Carbon Monoxide Emissions Tons/Yr:	2.1260782
NOX - Oxides of Nitrogen Tons/Yr:	5.2661275
SOX - Oxides of Sulphur Tons/Yr:	0.505660877
Particulate Matter Tons/Yr:	2.74298641
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.5492572285

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	MENIFEE, CA 92585
Year:	2019
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	1629
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.7774875485
Reactive Organic Gases Tons/Yr:	0.3689495
Carbon Monoxide Emissions Tons/Yr:	3.8406601
NOX - Oxides of Nitrogen Tons/Yr:	1.2505235
SOX - Oxides of Sulphur Tons/Yr:	0.0889467391
Particulate Matter Tons/Yr:	0.39561668
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.39065984012

Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	MENIFEE, CA 92585
Year:	2020
County Code:	33
Air Basin:	SC
Facility ID:	129816
Air District Name:	SC
SIC Code:	1629
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.015128059192
Reactive Organic Gases Tons/Yr:	0.01329
Carbon Monoxide Emissions Tons/Yr:	0.03096
NOX - Oxides of Nitrogen Tons/Yr:	0.13
SOX - Oxides of Sulphur Tons/Yr:	7.441e-005
Particulate Matter Tons/Yr:	0.01186
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01178884

A9 **CHMIRS** **S109037876**
Target Property **26226 ANTELOPE ROAD** **N/A**
ROMOLAND, CA 92585

Site 9 of 34 in cluster A

Actual: 1446 ft.

CHMIRS:

Name:	Not reported
Address:	26226 ANTELOPE ROAD
City,State,Zip:	ROMOLAND, CA 92585
OES Incident Number:	08-0807
OES notification:	01/27/2008

(Continued) **S109037876**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Utilities/Substation
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1720
Year:	2008
Agency:	Pvt Citzen
Incident Date:	1/27/2008
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Storm Run Off
Quantity Released:	unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

(Continued) **S109037876**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The company is pumping storm water off site which the caller also believes may be contaminated due to the nature of the work done there. The last time this was done it caused localized flooding due to the volume of water.
Name:	Not reported
Address:	26226 ANTELOPE ROAD
City,State,Zip:	ROMOLAND, CA 92585
OES Incident Number:	7-1522
OES notification:	03/09/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Van Ert Electric Company
Incident Date:	3/8/2007 12:00:00 AM

(Continued) **S109037876**

Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Hydraulic Fluid
Gallons:	12
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/08/07 at 1645 hours, hose broke and spilled hydraulic fluid onto the ground. The spill was contained the soil has been cleaned to a level of one inch yesterday and will be cleaned to the three inch level today.

Name:	Not reported
Address:	26226 ANTELOPE ROAD
City,State,Zip:	ROMOLAND, CA 92585
OES Incident Number:	7-6127
OES notification:	10/09/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

(Continued) **S109037876**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	General Electric
Incident Date:	9/25/2007 12:00:00 AM
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Lubricating oil
Gallons:	30
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: "HISTORICAL" A fork-lift driver tipped over a drum and the lid came off. This was at a construction site.

Name:	Not reported
Address:	26226 ANTELOPE ROAD
City,State,Zip:	ROMOLAND, CA 94551
OES Incident Number:	6-7105
OES notification:	12/01/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

(Continued) **S109037876**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Top Grade Construction
Incident Date:	12/1/2006 12:00:00 AM
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Hydraulic fluid
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP: States while operating a backhoe with wheel compactor installed, the hydraulic line to the

(Continued) **S109037876**

upper boom broke, the line came away from the cylinder, and spilled fluid onto ground.

A10 **TITIAN CONTRACTING & LEASING CO INC** **HAZNET** **S112958187**
Target **26226 ANTELOPE RD** **HWTS** **N/A**
Property **ROMOLAND, CA 92585**

Site 10 of 34 in cluster A

Actual: 1446 ft.

HAZNET:

Name:	TITIAN CONTRACTING & LEASING CO INC
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
Contact:	STEVEN THAYNE/SAFETY MGR
Telephone:	9519281152
Mailing Name:	Not reported
Mailing Address:	26226 ANTELOPE RD
Year:	2007
Gepaid:	CAC002611361
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	16.856
Year:	2006
Gepaid:	CAC002611361
TSD EPA ID:	CAD981696420
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.2

Additional Info:

Year:	2007
Gen EPA ID:	CAC002611361
Shipment Date:	20070111
Creation Date:	8/8/2007 18:30:07
Receipt Date:	20070112
Manifest ID:	002554512JJK
Trans EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856

TITIAN CONTRACTING & LEASING CO INC (Continued) **S112958187**

Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAC002611361
Shipment Date:	20061220
Creation Date:	4/19/2007 18:30:14
Receipt Date:	20061220
Manifest ID:	001457159JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENV SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TITIAN CONTRACTING & LEASING CO INC
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002611361
Inactive Date:	06/10/2007
Create Date:	12/11/2006
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	26226 ANTELOPE RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROMOLAND, CA 92585
Owner Name:	TITIAN CONTRACTING & LEASING CO INC
Owner Address:	26226 ANTELOPE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	ROMOLAND, CA 92585
Contact Name:	STEVEN THAYNE/SAFETY MGR
Contact Address:	26226 ANTELOPE RD

TITIAN CONTRACTING & LEASING CO INC (Continued) **S112958187**

Contact Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A11 **BOLYLE ENERGY SERVICES TECHNOLOGY INC** **HWTS** **S124602191**
Target **26226 ANTELOPE RD** **N/A**
Property **ROMOLAND, CA 92585**

Site 11 of 34 in cluster A

Actual: **1446 ft.**

HWTS:

Name:	BOLYLE ENERGY SERVICES TECHNOLOGY INC
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002646383
Inactive Date:	03/16/2010
Create Date:	09/16/2009
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	28 LOCKE RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CONCORD, NH 33015416
Owner Name:	BOLYLE ENERGY SERVICES TECHNOLOGY I
Owner Address:	28 LOCKE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	CONCORD, NH 33015416
Contact Name:	DIANE GAGNON
Contact Address:	28 LOCKE RD
Contact Address 2:	Not reported
City,State,Zip:	CONCORD, NH 33015416
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A12 **CALPINE NOVA POWER, LLC** **HWTS** **S128359174**
Target **26226 ANTELOPE RD** **N/A**
Property **MENIFEE, CA 92585**

Site 12 of 34 in cluster A

Actual: **1446 ft.**

HWTS:

Name:	CALPINE NOVA POWER, LLC
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	MENIFEE, CA 92585
EPA ID:	CAC003147272
Inactive Date:	02/07/2022
Create Date:	11/08/2021
Last Act Date:	Not reported

CALPINE NOVA POWER, LLC (Continued) **S128359174**

Mailing Name:	Not reported
Mailing Address:	606 DE LA FUENTE CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN DIEGO, CA 92154
Owner Name:	CALPINE NOVA POWER, LLC
Owner Address:	606 DE LA FUENTE CT
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN DIEGO, CA 92154
Contact Name:	MORGAN DAY
Contact Address:	606 DE LA FUENTE CT
Contact Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92154
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.74108458
Longitude:	-117.17162101

A13 **SPX COOLING TECHNOLOGIES** **HWTS** **S124594989**
Target **26226 ANTELOPE RD** **N/A**
Property **ROMOLAND, CA 92585**

Site 13 of 34 in cluster A

Actual: **1446 ft.**

HWTS:

Name:	SPX COOLING TECHNOLOGIES
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002623628
Inactive Date:	05/06/2008
Create Date:	11/07/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	7401 W. 129TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	OVERLAND PARK, KS 66213
Owner Name:	SPX COOLING TECHNOLOGIES
Owner Address:	7401 W. 129TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	OVERLAND PARK, KS 66213
Contact Name:	SHERRI STUBBLEFIELD
Contact Address:	7401 W. 129TH ST
Contact Address 2:	Not reported
City,State,Zip:	OVERLAND PARK, KS 66213
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A14 **INLAND EMPIRE ENERGY CENTER LLC** **NPDES S125493975**
Target **26226 ANTELOPE ROAD** **CIWQS N/A**
Property **MENIFEE, CA 92585**

Site 14 of 34 in cluster A

Actual:
1446 ft.

NPDES:

Name:	INLAND EMPIRE ENERGY CENTER LLC
Address:	26226 ANTELOPE ROAD
City,State,Zip:	MENIFEE, CA 92585
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 33NNA000098
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	08/28/2019
Operator Name:	Inland Empire Energy Center LLC
Operator Address:	26226 Antelope Road
Operator City:	Menifee
Operator State:	California
Operator Zip:	92585

Name:	INLAND EMPIRE ENERGY CENTER LLC
Address:	26226 ANTELOPE ROAD
City,State,Zip:	MENIFEE, CA 92585
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	516233
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 33C389191
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/17/2020
Termination Date Of Regulatory Measure:	05/06/2021
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	26226 Antelope Road
Discharge Name:	Inland Empire Energy Center LLC
Discharge City:	Menifee
Discharge State:	California
Discharge Zip:	92585

INLAND EMPIRE ENERGY CENTER LLC (Continued) **S125493975**

Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Name:	INLAND EMPIRE ENERGY CENTER LLC
Address:	26226 ANTELOPE ROAD
City,State,Zip:	MENIFEE, CA 92585
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 33C389191
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	05/07/2021
Operator Name:	Inland Empire Energy Center LLC
Operator Address:	26226 Antelope Road
Operator City:	Menifee
Operator State:	California
Operator Zip:	92585

CIWQS:

Name:	INLAND EMPIRE ENERGY CENTER LLC
Address:	26226 ANTELOPE ROAD
City,State,Zip:	MENIFEE, CA 92585
Agency:	Inland Empire Energy Center LLC
Agency Address:	26226 Antelope Road, Menifee, CA 92585
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 33C389191
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/17/2020
Termination Date:	05/06/2021
Expiration/Review Date:	Not reported

INLAND EMPIRE ENERGY CENTER LLC (Continued) **S125493975**

Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.739305
Longitude:	-117.168611

A15 **K M INDUSTRIAL** **HWTS** **S124594056**
Target **26226 ANTELOPE RD** **N/A**
Property **ROMOLAND, CA 92585**

Site 15 of 34 in cluster A

Actual: **1446 ft.**

HWTS:

Name:	K M INDUSTRIAL
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002620886
Inactive Date:	02/28/2008
Create Date:	08/31/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1411 W GAYLORD ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908131333
Owner Name:	K2 INDUSTRIAL SERVICES CO
Owner Address:	1411 W GAYLORD ST
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908131333
Contact Name:	FELIX SALDIVAR/MGR OF SAFETY
Contact Address:	1411 W GAYLORD ST
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908131333
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A16 **BIGGE CRANE** **HAZNET** **S112951043**
Target **26226 ANTELOPE RD** **HWTS** **N/A**
Property **SUN CITY, CA 92585**

Site 16 of 34 in cluster A

Actual: **1446 ft.**

HAZNET:

Name:	BIGGE CRANE
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	SUN CITY, CA 92585
Contact:	BRAD ROHLOFF
Telephone:	5106388100
Mailing Name:	Not reported

BIGGE CRANE (Continued) **S112951043**

Mailing Address: 10700 BIGGE ST

Year: 2006
Gepaid: CAC002599736
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.075

Additional Info:
Year: 2006
Gen EPA ID: CAC002599736

Shipment Date: 20060126
Creation Date: 5/6/2006 18:30:32
Receipt Date: 20060201
Manifest ID: 24657785
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: CAD028409019
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: BIGGE CRANE
Address: 26226 ANTELOPE RD
Address 2: Not reported
City,State,Zip: SUN CITY, CA 92585
EPA ID: CAC002599736
Inactive Date: 07/25/2006
Create Date: 01/25/2006
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 10700 BIGGE ST
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN LEANDRO, CA 945771032
Owner Name: WESTON SETTLEMIER
Owner Address: 10700 BIGGE ST
Owner Address 2: Not reported
Owner City,State,Zip: SAN LEANDRO, CA 945771032
Contact Name: BRAD ROHLOFF

BIGGE CRANE (Continued) **S112951043**

Contact Address:	10700 BIGGE ST
Contact Address 2:	Not reported
City,State,Zip:	SAN LEANDRO, CA 945771032
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A17 **INLAND EMPIRE ENERGY CENTER** **CIWQS** **S121646171**
Target **26226 ANTELOPE ROAD** **N/A**
Property **ROMOLAND, CA 92585**

Site 17 of 34 in cluster A

Actual: **1446 ft.**

CIWQS:

Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE ROAD
City,State,Zip:	ROMOLAND, CA 92585
Agency:	Inland Empire Energy Center LLC
Agency Address:	26226 Antelope Rd, Romoland, CA 92585
Place/Project Type:	Construction - Other, Utility
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	8 33C335165
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/30/2005
Termination Date:	08/24/2005
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

A18 **TIC INC** **HAZNET** **S112953104**
Target **26226 ANTELOPE RD** **HWTS** **N/A**
Property **ROMOLAND, CA 92585**

Site 18 of 34 in cluster A

Actual: **1446 ft.**

HAZNET:

Name:	TIC INC
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
Contact:	JOHN BECKER
Telephone:	9519285763

TIC INC (Continued) **S112953104**

Mailing Name: Not reported
Mailing Address: PO BOX 1248

Year: 2007
Gepaid: CAC002603049
TSD EPA ID: CAD028409019
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.3753

Year: 2006
Gepaid: CAC002603049
TSD EPA ID: CAD981696420
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: 0.3

Year: 2006
Gepaid: CAC002603049
TSD EPA ID: CAD028409019
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H01 - Transfer Station
Tons: 0.05

Additional Info:
Year: 2007
Gen EPA ID: CAC002603049

Shipment Date: 20070122
Creation Date: 8/9/2007 18:30:13
Receipt Date: 20070122
Manifest ID: 000326420JJK
Trans EPA ID: CAL000274783
Trans Name: KM INDUSTRIAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.3753
Waste Quantity: 90
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006
Gen EPA ID: CAC002603049

TIC INC (Continued) **S112953104**

Shipment Date:	20060503
Creation Date:	12/22/2006 18:30:48
Receipt Date:	20060508
Manifest ID:	24337096
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060503
Creation Date:	8/25/2006 18:30:24
Receipt Date:	20060505
Manifest ID:	24901636
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SOUTH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TIC INC
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002603049
Inactive Date:	10/24/2006
Create Date:	04/26/2006
Last Act Date:	Not reported

TIC INC (Continued) **S112953104**

Mailing Name:	Not reported
Mailing Address:	PO BOX 1248
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROMOLAND, CA 92585
Owner Name:	TIC INC
Owner Address:	PO BOX 1248
Owner Address 2:	Not reported
Owner City,State,Zip:	ROMOLAND, CA 92585
Contact Name:	JOHN BECKER
Contact Address:	PO BOX 1248
Contact Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A19 **TOP GRADE CONSTRUCTION** **HAZNET** **S112955744**
Target **26226 ANTELOPE RD** **HWTS** **N/A**
Property **ROMOLAND, CA 92585**

Site 19 of 34 in cluster A

Actual:
1446 ft.

HAZNET:

Name:	TOP GRADE CONSTRUCTION
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
Contact:	STEVE DURANT
Telephone:	9254495764
Mailing Name:	Not reported
Mailing Address:	50 CONTRACTORS ST
Year:	2006
Gepaid:	CAC002607248
TSD EPA ID:	CAD980884183
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.175

Additional Info:

Year:	2006
Gen EPA ID:	CAC002607248
Shipment Date:	20061204
Creation Date:	4/19/2007 18:30:14
Receipt Date:	20061214
Manifest ID:	000558714JJK
Trans EPA ID:	CAD980893325
Trans Name:	GOLDEN WEST OIL CO INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC

TOP GRADE CONSTRUCTION (Continued) **S112955744**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061017
Creation Date:	3/30/2007 13:31:59
Receipt Date:	20061031
Manifest ID:	000558607JJK
Trans EPA ID:	CAD980893325
Trans Name:	GOLDEN WEST OIL CO INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TOP GRADE CONSTRUCTION
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002607248
Inactive Date:	02/12/2007
Create Date:	08/15/2006
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	50 CONTRACTORS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945514863
Owner Name:	TOP GRADE CONSTRUCTION
Owner Address:	26226 ANTELOPE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	ROMOLAND, CA 92585

TOP GRADE CONSTRUCTION (Continued) **S112955744**

Contact Name:	STEVE DURANT
Contact Address:	50 CONTRACTORS ST
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945514863
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

Name:	TOP GRADE CONSTRUCTION
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002602542
Inactive Date:	10/12/2006
Create Date:	04/14/2006
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	50 CONTRACTORS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945514863
Owner Name:	TOP GRADE CONSTRUCTION
Owner Address:	26226 ANTELOPE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	ROMOLAND, CA 92585
Contact Name:	WILLIAM GRACE
Contact Address:	50 CONTRACTORS ST
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945514863
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A20 **INLAND EMPIRE ENERGY CENTER** **HAZNET** **S113138731**
Target **26226 ANTELOPE RD** **CIWQS** **N/A**
Property **ROMOLAND, CA 92585** **CERS**
HWTS

Site 20 of 34 in cluster A

Actual: **1446 ft.**

HAZNET:

Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
Contact:	ALISA MORETTO, EHS MANAGER
Telephone:	9519285907
Mailing Name:	Not reported
Mailing Address:	26226 ANTELOPE RD

Year:	2011
Gepaid:	CAL000297769
TSD EPA ID:	TXD077603371
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.08

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Year:	2011
Gepaid:	CAL000297769
TSD EPA ID:	TXD077603371
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Year:	2011
Gepaid:	CAL000297769
TSD EPA ID:	TXD077603371
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.145
Year:	2011
Gepaid:	CAL000297769
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.125
Year:	2011
Gepaid:	CAL000297769
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.125
Year:	2011
Gepaid:	CAL000297769
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.06
Year:	2011
Gepaid:	CAL000297769
TSD EPA ID:	TXD077603371
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.125
Year:	2010
Gepaid:	CAL000297769
TSD EPA ID:	TXD077603371
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	-
Tons:	Not reported
Year:	2010
Gepaid:	CAL000297769
TSD EPA ID:	TXD077603371
CA Waste Code:	343 - Unspecified organic liquid mixture

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Year:	2010
Gepaid:	CAL000297769
TSD EPA ID:	TXD077603371
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3625

Click this hyperlink while viewing on your computer to access
64 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2011
Gen EPA ID:	CAL000297769
Shipment Date:	20110512
Creation Date:	10/13/2011 18:30:12
Receipt Date:	20110520
Manifest ID:	003799857FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110208
Creation Date:	8/25/2011 18:30:27
Receipt Date:	20110221
Manifest ID:	003799777FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110208
Creation Date:	8/25/2011 18:30:27
Receipt Date:	20110221
Manifest ID:	003799777FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110208
Creation Date:	8/25/2011 18:30:27
Receipt Date:	20110221
Manifest ID:	003799777FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110208
Creation Date:	8/25/2011 18:30:27
Receipt Date:	20110221
Manifest ID:	003799778FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110208
Creation Date:	8/25/2011 18:30:27
Receipt Date:	20110221
Manifest ID:	003799778FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110208
Creation Date:	7/5/2011 18:30:12

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Receipt Date:	20110222
Manifest ID:	003799779FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110208
Creation Date:	7/5/2011 18:30:12
Receipt Date:	20110222
Manifest ID:	003799779FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110208
Creation Date:	7/5/2011 18:30:12
Receipt Date:	20110222
Manifest ID:	003799780FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110208
Creation Date:	7/5/2011 18:30:12
Receipt Date:	20110222
Manifest ID:	003799780FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000297769
Shipment Date:	20101130
Creation Date:	4/27/2011 18:30:18
Receipt Date:	20101213
Manifest ID:	003828332FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101130
Creation Date:	4/27/2011 18:30:18
Receipt Date:	20101213
Manifest ID:	003828331FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101001
Creation Date:	3/3/2011 18:30:09
Receipt Date:	20101014
Manifest ID:	003684627FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Additional Code 5:	Not reported
Shipment Date:	20101001
Creation Date:	2/19/2011 18:30:08
Receipt Date:	20101014
Manifest ID:	003726119FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101001
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101014
Manifest ID:	002499053SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101001
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101014
Manifest ID:	003711166FLE
Trans EPA ID:	TXR000050930

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101001
Creation Date:	2/19/2011 18:30:08
Receipt Date:	20101014
Manifest ID:	003746006FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D006
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D004
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101001
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101014
Manifest ID:	003711166FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101001
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101014
Manifest ID:	003711337FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100816
Creation Date:	2/1/2011 18:30:08
Receipt Date:	20100826
Manifest ID:	003746007FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

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

Additional Info:

Year:	2009
Gen EPA ID:	CAL000297769
Shipment Date:	20091211
Creation Date:	6/30/2010 18:30:18
Receipt Date:	20091223
Manifest ID:	002340435SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091211
Creation Date:	6/30/2010 18:30:18
Receipt Date:	20091223
Manifest ID:	002320257SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.33
Waste Quantity:	660
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Shipment Date:	20091211
Creation Date:	6/30/2010 18:30:18
Receipt Date:	20091223
Manifest ID:	002340435SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091105
Creation Date:	5/20/2010 18:30:18
Receipt Date:	20091117
Manifest ID:	002023581SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091105
Creation Date:	5/20/2010 18:30:18
Receipt Date:	20091117
Manifest ID:	002013976SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091008
Creation Date:	4/12/2010 18:30:55
Receipt Date:	20091019
Manifest ID:	002148701SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091008
Creation Date:	4/12/2010 18:30:55
Receipt Date:	20091019
Manifest ID:	002148701SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090814
Creation Date:	3/5/2010 18:30:08
Receipt Date:	20090903
Manifest ID:	001594047SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090814
Creation Date:	3/5/2010 18:30:45
Receipt Date:	20090831
Manifest ID:	002007384SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090814
Creation Date:	3/5/2010 18:30:08
Receipt Date:	20090903
Manifest ID:	001594047SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000297769
Shipment Date:	20081125
Creation Date:	1/14/2009 18:30:08
Receipt Date:	20081126
Manifest ID:	002974240JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.245
Waste Quantity:	490
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Shipment Date:	20081125
Creation Date:	4/29/2009 18:30:08
Receipt Date:	20081219
Manifest ID:	002974241JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAR000190355
Trans 2 Name:	PHILIP WEST INDUSTRIAL SERVICES
TSDF EPA ID:	WAD991281767
Trans Name:	BURLINGTON ENVIRONMENTAL LLC KENT FACILITY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.145
Waste Quantity:	290
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081121
Creation Date:	4/9/2009 18:30:20
Receipt Date:	20081209
Manifest ID:	001559246SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	D007
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081121
Creation Date:	4/9/2009 18:30:08
Receipt Date:	20081208
Manifest ID:	001559272SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081121
Creation Date:	4/9/2009 18:30:08
Receipt Date:	20081208
Manifest ID:	001559272SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081121
Creation Date:	4/9/2009 18:30:20
Receipt Date:	20081209
Manifest ID:	001559271SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081121
Creation Date:	4/9/2009 18:30:08
Receipt Date:	20081208
Manifest ID:	001559429SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081121
Creation Date:	4/9/2009 18:30:08
Receipt Date:	20081208
Manifest ID:	001559245SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081121
Creation Date:	4/9/2009 18:30:08
Receipt Date:	20081208
Manifest ID:	001559245SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080926
Creation Date:	11/18/2008 18:30:17
Receipt Date:	20081010
Manifest ID:	001378709FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHOCHEM LLC
TSDF EPA ID:	CAD008364432
Trans Name:	RHOCHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000297769

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Shipment Date:	20071225
Creation Date:	3/4/2008 18:30:41
Receipt Date:	20071212
Manifest ID:	000065449JJK
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	PSC - RHO CHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071225
Creation Date:	3/4/2008 18:30:41
Receipt Date:	20071212
Manifest ID:	000065449JJK
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	PSC - RHO CHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071225
Creation Date:	3/4/2008 18:30:41
Receipt Date:	20071212
Manifest ID:	000065449JJK
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	PSC - RHO CHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071204
Creation Date:	3/5/2008 18:30:14
Receipt Date:	20071204
Manifest ID:	002466475JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	15.96
Waste Quantity:	4200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001378681FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	RHOCHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071121
Creation Date:	3/5/2008 18:30:27
Receipt Date:	20071129
Manifest ID:	001378681FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	RHOCHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071121
Creation Date:	3/5/2008 18:30:27
Receipt Date:	20071129
Manifest ID:	001378681FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	RHOCHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071121
Creation Date:	3/5/2008 18:30:27
Receipt Date:	20071129
Manifest ID:	001378681FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	RHOCHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071121
Creation Date:	3/5/2008 18:30:27
Receipt Date:	20071129
Manifest ID:	001378681FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	RHOCHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071116
Creation Date:	3/4/2008 18:30:41
Receipt Date:	20071127

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Manifest ID:	001378676FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	PSC - RHOCHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000297769
Shipment Date:	20061121
Creation Date:	3/30/2007 13:34:03
Receipt Date:	20061127
Manifest ID:	001713215JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061121
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061122
Manifest ID:	001713216JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENV SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060731
Creation Date:	9/28/2006 18:32:01
Receipt Date:	20060807
Manifest ID:	25268999
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SOUTH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060731
Creation Date:	9/28/2006 18:32:01
Receipt Date:	20060807
Manifest ID:	25268999
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SOUTH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CIWQS:

Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
Agency:	Inland Empire Energy Center LLC
Agency Address:	26226 Antelope Rd, Romoland, CA 92585
Place/Project Type:	Industrial - Electric Services
SIC/NAICS:	4911
Region:	8
Program:	CONSTW, INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 33I021638
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/01/2008
Termination Date:	05/08/2009
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.74103
Longitude:	-117.17176

CERS:

Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585
Site ID:	473646
CERS ID:	110030747011
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Ben Kling
Entity Title:	Plant Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

Affiliation Type Desc: Environmental Contact
Entity Name: ALISA MORETTO
Entity Title: TECH COMPLIANCE MGR.
Affiliation Address: 26226 ANTELOPE ROAD
Affiliation City: ROMOLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: PRISCILLA OTIENO
Entity Title: ENVIRONMENTAL SPECIALIST
Affiliation Address: 8101 S ROSEMEAD BLVDATTN PRISCILLA OTIENO SC721A
Affiliation City: PICORIVERA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: FRANCISCO J ESCOBEDO
Entity Title: DIRECTOR, ASSET MANAGEMENT
Affiliation Address: 26226 ANTELOPE ROAD
Affiliation City: MENIFEE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: INLAND EMPIRE ENERGY CENTER
Address: 26226 ANTELOPE RD
Address 2: Not reported
City,State,Zip: ROMOLAND, CA 92585
EPA ID: CAL000297769
Inactive Date: 03/28/2011
Create Date: 08/22/2005
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 26226 ANTELOPE RD
Mailing Address 2: Not reported
Mailing City,State,Zip: MENIFEE, CA 925850000
Owner Name: INLAND EMPIRE ENERGY CTR LLC
Owner Address: 26226 ANTELOPE RD
Owner Address 2: Not reported
Owner City,State,Zip: MENIFEE, CA 925850000
Contact Name: ALISA MORETTO, EHS MANAGER
Contact Address: 26226 ANTELOPE RD
Contact Address 2: Not reported
City,State,Zip: MENIFEE, CA 925850000
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 33.74103
Longitude: -117.17173

INLAND EMPIRE ENERGY CENTER (Continued) **S113138731**

NAICS:

EPA ID:	CAL000297769
Create Date:	2005-08-22 11:19:51.717
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	2005-08-22 11:19:51.68700
Inactive Date:	2011-03-28 00:00:00
Facility Name:	INLAND EMPIRE ENERGY CENTER
Facility Address:	26226 ANTELOPE RD
Facility Address 2:	Not reported
Facility City:	ROMOLAND
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92585

A21 **INLAND EMPIRE ENERGY CENTER LLC** **ICIS 1010343672**
Target **26226 ANTELOPE RD** **US AIRS N/A**
Property **ROMOLAND, CA 92585**

Site 21 of 34 in cluster A

Actual:
1446 ft.

ICIS:

Enforcement Action ID:	CASCAA000006065CA17500056
FRS ID:	110030747011
Action Name:	INLAND EMPIRE ENERGY CENTER LLC 06065CA17500056
Facility Name:	INLAND EMPIRE ENERGY CENTER LLC
Facility Address:	26226 ANTELOPE RD ROMOLAND, CA 92585
Enforcement Action Type:	Administrative Order
Facility County:	RIVERSIDE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.741556
Longitude in Decimal Degrees:	-117.171694
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006065CA175
Facility NAICS Code:	221112
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006065CA17500055
FRS ID:	110030747011
Action Name:	INLAND EMPIRE ENERGY CENTER LLC 06065CA17500055
Facility Name:	INLAND EMPIRE ENERGY CENTER LLC
Facility Address:	26226 ANTELOPE RD ROMOLAND, CA 92585
Enforcement Action Type:	Notice of Violation
Facility County:	RIVERSIDE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.741556

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Longitude in Decimal Degrees: -117.171694
Permit Type Desc: Not reported
Program System Acronym: CASCA00006065CA175
Facility NAICS Code: 221112
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006065CA17500047
FRS ID: 110030747011
Action Name: INLAND EMPIRE ENERGY CENTER LLC 06065CA17500047
Facility Name: INLAND EMPIRE ENERGY CENTER LLC
Facility Address: 26226 ANTELOPE RD
ROMOLAND, CA 92585
Enforcement Action Type: Administrative Order
Facility County: RIVERSIDE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.741556
Longitude in Decimal Degrees: -117.171694
Permit Type Desc: Not reported
Program System Acronym: CASCA00006065CA175
Facility NAICS Code: 221112
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006065CA17500046
FRS ID: 110030747011
Action Name: INLAND EMPIRE ENERGY CENTER LLC 06065CA17500046
Facility Name: INLAND EMPIRE ENERGY CENTER LLC
Facility Address: 26226 ANTELOPE RD
ROMOLAND, CA 92585
Enforcement Action Type: Notice of Violation
Facility County: RIVERSIDE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.741556
Longitude in Decimal Degrees: -117.171694
Permit Type Desc: Not reported
Program System Acronym: CASCA00006065CA175
Facility NAICS Code: 221112
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006065CA17500012
FRS ID: 110030747011
Action Name: INLAND EMPIRE ENERGY CENTER LLC 06065CA17500012
Facility Name: INLAND EMPIRE ENERGY CENTER LLC
Facility Address: 26226 ANTELOPE RD
ROMOLAND, CA 92585
Enforcement Action Type: Administrative Order
Facility County: RIVERSIDE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.741556
Longitude in Decimal Degrees:	-117.171694
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006065CA175
Facility NAICS Code:	221112
Tribal Land Code:	Not reported
Enforcement Action ID:	CASCAA000006065CA17500011
FRS ID:	110030747011
Action Name:	INLAND EMPIRE ENERGY CENTER LLC 06065CA17500011
Facility Name:	INLAND EMPIRE ENERGY CENTER LLC
Facility Address:	26226 ANTELOPE RD ROMOLAND, CA 92585
Enforcement Action Type:	Notice of Violation
Facility County:	RIVERSIDE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.741556
Longitude in Decimal Degrees:	-117.171694
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006065CA175
Facility NAICS Code:	221112
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1010343672
Region Code:	09
County Code:	CA065
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
D and B Number:	Not reported
Facility Site Name:	INLAND EMPIRE ENERGY CENTER LLC
Primary SIC Code:	4911
NAICS Code:	221112
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	POF
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	Not reported
Activity Status Date:	2008-12-23 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2014-05-30 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2014-08-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Activity Date: 2009-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-12 00:00:00
Activity Status Date: 2008-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-15 00:00:00
Activity Status Date: 2013-03-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-06-24 00:00:00
Activity Status Date: 2008-06-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Activity Date: 2012-11-06 00:00:00
Activity Status Date: 2012-11-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-06 00:00:00
Activity Status Date: 2014-03-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2008-12-23 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-05-30 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-08-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-17 00:00:00
Activity Status Date: 2015-09-16 18:54:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-08-08 00:00:00
Activity Status Date: 2016-10-07 14:14:10
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Activity Date:	2012-08-21 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-10-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-10-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-11-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-08-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-12 00:00:00
Activity Status Date: 2008-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-03-15 00:00:00
Activity Status Date: 2013-03-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006065CA175
Facility Registry ID: 110030747011
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-06-24 00:00:00
Activity Status Date: 2008-06-24 00:00:00
Activity Group: Enforcement Action

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1010343672**

Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-11-06 00:00:00
Activity Status Date:	2012-11-06 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASCA00006065CA175
Facility Registry ID:	110030747011
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-03-06 00:00:00
Activity Status Date:	2014-03-06 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

A22 **INLAND EMPIRE ENERGY CENTER** **HAZNET S123636674**
Target **26226 ANTELOPE RD** **HWTS N/A**
Property **MENIFEE, CA 92585**

Site 22 of 34 in cluster A

Actual: **1446 ft.**

HAZNET:

Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	MENIFEE, CA 92585
Contact:	ANDREW GETZ
Telephone:	8668118365
Mailing Name:	Not reported
Mailing Address:	28 LOCKE RD
Year:	2010
Gepaid:	CAP000220002
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	963.06
Year:	2010
Gepaid:	CAP000220002
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

INLAND EMPIRE ENERGY CENTER (Continued) **S123636674**

Tons: 1.25

Additional Info:
Year: 2010
Gen EPA ID: CAP000220002

Shipment Date: 20100129
Creation Date: 4/12/2010 18:31:19
Receipt Date: 20100204
Manifest ID: 005827757JJK
Trans EPA ID: CAR000030114
Trans Name: NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.25
Waste Quantity: 2500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100129
Creation Date: 4/12/2010 18:31:28
Receipt Date: 20100129
Manifest ID: 005827841JJK
Trans EPA ID: CAR000030114
Trans Name: NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: D007
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 20.16
Waste Quantity: 4800
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S123636674**

Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:28
Receipt Date:	20100122
Manifest ID:	005827828JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.16
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:19
Receipt Date:	20100122
Manifest ID:	005827833JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.37
Waste Quantity:	4850
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:28
Receipt Date:	20100122
Manifest ID:	005827834JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S123636674**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.16
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:28
Receipt Date:	20100122
Manifest ID:	005827836JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.16
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:28
Receipt Date:	20100122
Manifest ID:	005827837JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007

INLAND EMPIRE ENERGY CENTER (Continued) **S123636674**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.16
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:28
Receipt Date:	20100122
Manifest ID:	005827839JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.37
Waste Quantity:	4850
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:19
Receipt Date:	20100122
Manifest ID:	005827831JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.58
Waste Quantity:	4900
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **S123636674**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100122
Creation Date:	4/12/2010 18:31:19
Receipt Date:	20100122
Manifest ID:	005827829JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.16
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	MENIFEE, CA 92585
EPA ID:	CAP000220002
Inactive Date:	11/16/2010
Create Date:	05/19/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	28 LOCKE RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CONCORD, NH 3301
Owner Name:	BES&T
Owner Address:	26226 ANTELOPE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	MENIFEE, CA 92585
Contact Name:	ANDREW GETZ
Contact Address:	28 LOCKE RD
Contact Address 2:	Not reported
City,State,Zip:	CONCORD, NH 3301
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.74103
Longitude:	-117.17173

NAICS:

INLAND EMPIRE ENERGY CENTER (Continued) **S123636674**

EPA ID:	CAP000220002
Create Date:	2010-05-19 13:42:05.930
NAICS Code:	221112
NAICS Description:	Fossil Fuel Electric Power Generation
Issued EPA ID Date:	2010-05-19 13:42:05.91300
Inactive Date:	2010-11-16 13:42:05.91000
Facility Name:	INLAND EMPIRE ENERGY CENTER
Facility Address:	26226 ANTELOPE RD
Facility Address 2:	Not reported
Facility City:	MENIFEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92585

A23 **INLAND EMPIRE ENERGY CENTER LLC** **RCRA-LQG** **1014388015**
Target **26226 ANTELOPE ROAD** **CAR000216952**
Property **MENIFEE, CA 92585**

Site 23 of 34 in cluster A

Actual:
1446 ft.

RCRA Listings:

Date Form Received by Agency:	20200227
Handler Name:	INLAND EMPIRE ENERGY CENTER LLC
Handler Address:	26226 ANTELOPE ROAD
Handler City,State,Zip:	MENIFEE, CA 92585-0000
EPA ID:	CAR000216952
Contact Name:	FRANCISCO ESCOBEDO
Contact Address:	ANTELOPE ROAD
Contact City,State,Zip:	MENIFEE, CA 92585-0000
Contact Telephone:	951-928-5941
Contact Fax:	866-430-2091
Contact Email:	FRANK.ESCOBEDO@GE.COM
Contact Title:	DIRECTOR, ASSET MANAGEMENT
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ANTELOPE ROAD
Mailing City,State,Zip:	MENIFEE, CA 92585-0000
Owner Name:	INLAND EMPIRE ENERGY CENTER LLC
Owner Type:	Private
Operator Name:	GE
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1014388015**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201020
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1014388015**

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1014388015**

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 20150211
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20010713
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE ROAD
Owner/Operator City,State,Zip: MENIFEE, CA 92585-0000
Owner/Operator Telephone: 951-928-5941
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: FRANK.ESCOBEDO@GE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20010713
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE ROAD
Owner/Operator City,State,Zip: MENIFEE, CA 92585-0000
Owner/Operator Telephone: 951-928-5941
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: FRANK.ESCOBEDO@GE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER
Legal Status: Private
Date Became Current: 20010713
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE RD
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: 951-928-5941
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1014388015**

Owner/Operator Indicator: Operator
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20060101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GE
Legal Status: Private
Date Became Current: 20060101
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE ROAD
Owner/Operator City,State,Zip: MENIFEE, CA 92585-0000
Owner/Operator Telephone: 951-928-5908
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JASON2.TAYLOR@GE.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20050729
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20031223
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE RD
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: 951-928-5941
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GE POWER GENERATION
Legal Status: Private
Date Became Current: 20030814
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1014388015**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GE
Legal Status: Private
Date Became Current: 20060101
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE ROAD
Owner/Operator City,State,Zip: MENIFEE, CA 92585-0000
Owner/Operator Telephone: 951-928-5908
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JASON2.TAYLOR@GE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20050729
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE RD
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: 951-928-5900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RIVERSIDE COUNTY FLOOD CONTROL
Legal Status: County
Date Became Current: 20050729
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE RD
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: 951-928-4851
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GE
Legal Status: Private
Date Became Current: 20060101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INLAND EMPIRE ENERGY CENTER, LLC
Legal Status: Private
Date Became Current: 20010713
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE RD

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1014388015**

Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: 951-925-5941
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20170411
Handler Name: INLAND EMPIRE ENERGY CENTER LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140227
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180213
Handler Name: INLAND EMPIRE ENERGY CENTER LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200227
Handler Name: INLAND EMPIRE ENERGY CENTER LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No

INLAND EMPIRE ENERGY CENTER LLC (Continued) **1014388015**

Electronic Manifest Broker: No

Receive Date: 20110302
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160212
Handler Name: SOUTHERN CALIFORNIA GAS COMPANY (INLAND EMPIRE ENERGY CENTER)
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20170317
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

NAICS Code: 22112
NAICS Description: ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION

NAICS Code: 486210
NAICS Description: PIPELINE TRANSPORTATION OF NATURAL GAS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A24 **INLAND EMPIRE ENERGY CENTER** **RMP** **1011828267**
Target **26226 ANTELOPE ROAD** **N/A**
Property **ROMOLAND, CA 92585**

Site 24 of 34 in cluster A

Actual:
1446 ft.

RMP:

Facility ID:	49220
Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE ROAD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
LEPC city:	Region VI LEPC
Facility decimal latitude:	33.739268
Facility decimal longitude:	-117.170051
Is facility in county box:	T
LatLong method:	IO
LatLong description:	PC
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	107161213
Parents name:	Not reported
Partners name:	Not reported
Parents DUNS #:	1367960
Partners DUNS #:	0
Operators name:	Inland Empire Energy Center, LLC
Operators telephone:	9519286905
Operators address:	26226 Antelope Road
Operators City,St,Zip:	Romoland, CA 92585
RMP implementation contact:	John Gates
RMP contact title:	Commercial Manager
Emergency contact:	Michael Bruno
Emergency contact title:	Plant Manager
Emergency contact telephone:	9513687091
24 hour emergency telephone:	9513687091
Emergency contact ext/pin #:	Not reported
Number of full time employees:	20
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000199741
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	129816
Last safety insp. dat:	2006-12-01 00:00:00
Inspected by:	State occupational safety agency
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Program Level 1
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2007-08-10 00:00:00
Date of error Report:	Not reported
Date RMP received:	2007-08-09 00:00:00
Does RMP contain graphics files:	False

INLAND EMPIRE ENERGY CENTER (Continued) **1011828267**

Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2007-08-08 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2012-08-08 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.8
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2007-03-01 00:00:00
ER plan most recent employee training date:	2007-03-30 00:00:00
Local agency coordinating ER plan:	Riverside County Env. Health Dept.
Telephone of the coordinating local agency:	9097666524
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	True
RCRA:	False
OPA 90:	True
EPCRA:	True
Other Regulations:	CalARP Program; 8 CCR Sect. 339; 3200; 5230; 5160

Processes:

Process ID:	71417
Optional facility description:	SCR #1
Program level:	1
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Fossil Fuel Electric Power Generation

Process Chemicals:

Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	33600
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Worst Case:

Percent weight of chemical:	28
Physical state:	b
Analytical basic:	SLAB & EPA's OCA Guidance Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	a

INLAND EMPIRE ENERGY CENTER (Continued) **1011828267**

Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Dikes
Process ID:	71418
Optional facility description:	SCR #2
Program level:	1
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Fossil Fuel Electric Power Generation

Process Chemicals:

Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	33600
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Worst Case:

Percent weight of chemical:	28
Physical state:	b
Analytical basic:	SLAB & EPA's OCA Guidance Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	a
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Dikes

A25 **MARLEY COOLING TOWERS** **HAZNET S112958773**
Target **26226 ANTELOPE RD** **HWTS N/A**
Property **SUN CITY, CA 92585**

Site 25 of 34 in cluster A

Actual: 1446 ft.

HAZNET:

Name:	MARLEY COOLING TOWERS
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	SUN CITY, CA 925858739
Contact:	ALBERT LOPEZ
Telephone:	9134245158
Mailing Name:	Not reported
Mailing Address:	PO BOX 1090

MARLEY COOLING TOWERS (Continued) **S112958773**

Year:	2007
Gepaid:	CAC002612332
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.25

Additional Info:

Year:	2007
Gen EPA ID:	CAC002612332
Shipment Date:	20070131
Creation Date:	10/8/2007 18:30:33
Receipt Date:	20070212
Manifest ID:	000180644SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MARLEY COOLING TOWERS
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	SUN CITY, CA 92585
EPA ID:	CAC002612332
Inactive Date:	07/17/2007
Create Date:	01/17/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 1090
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROMOLAND, CA 925850090
Owner Name:	MARLEY COOLING TOWERS
Owner Address:	PO BOX 1090
Owner Address 2:	Not reported
Owner City,State,Zip:	ROMOLAND, CA 925850090
Contact Name:	ALBERT LOPEZ

MARLEY COOLING TOWERS (Continued) **S112958773**

Contact Address:	PO BOX 1090
Contact Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 925850090
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

A26 **THE CONCO COMPANY** **FINDS** **1023268792**
Target **26226 ANTELOPE RD # E** **N/A**
Property **ROMOLAND, CA 92585**

Site 26 of 34 in cluster A

Actual: FINDS:
1446 ft. Registry ID: 110065585325

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

A27 **GE CENTERLINE INSTALLATION** **FINDS** **1023296871**
Target **26226 ANTELOPE RD # F** **N/A**
Property **ROMOLAND, CA 92585**

Site 27 of 34 in cluster A

Actual: FINDS:
1446 ft. Registry ID: 110065886900

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

A28 **CALPINE NOVA POWER, LLC** **ECHO** **1026944904**
Target **26226 ANTELOPE RD** **N/A**
Property **MENIFEE, CA 92585**

Site 28 of 34 in cluster A

Actual: ECHO:
1446 ft.

Envid:	1026944904
Registry ID:	110071189714
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110071189714
Name:	CALPINE NOVA POWER, LLC
Address:	26226 ANTELOPE RD
City,State,Zip:	MENIFEE, CA 92585

A29 **CALPINE NOVA POWER, LLC** **RCRA NonGen / NLR** **1027075529**
Target **26226 ANTELOPE RD** **CAC003147272**
Property **MENIFEE, CA 92585**

Site 29 of 34 in cluster A

Actual:
1446 ft.

RCRA Listings:

Date Form Received by Agency:		20211108
Handler Name:	CALPINE NOVA POWER, LLC	
Handler Address:		26226 ANTELOPE RD
Handler City,State,Zip:		MENIFEE, CA 92585
EPA ID:		CAC003147272
Contact Name:		MORGAN DAY
Contact Address:		606 DE LA FUENTE CT
Contact City,State,Zip:		SAN DIEGO, CA 92154
Contact Telephone:		951-202-0525
Contact Fax:		Not reported
Contact Email:		MORGAN.DAY@CALPINE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		606 DE LA FUENTE CT
Mailing City,State,Zip:		SAN DIEGO, CA 92154
Owner Name:	CALPINE NOVA POWER, LLC	
Owner Type:		Other
Operator Name:	MORGAN DAY	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CALPINE NOVA POWER, LLC (Continued) **1027075529**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211108
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CALPINE NOVA POWER, LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	606 DE LA FUENTE CT
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92154
Owner/Operator Telephone:	619-661-3407
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MORGAN DAY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	606 DE LA FUENTE CT
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92154
Owner/Operator Telephone:	951-202-0525
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CALPINE NOVA POWER, LLC (Continued) **1027075529**

Historic Generators:
- Receive Date: 20211108
- Handler Name: CALPINE NOVA POWER, LLC
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

A30 **INLAND EMPIRE ENERGY CENTER** **RCRA NonGen / NLR** **1025881159**
Target **26226 ANTELOPE RD** **CAP000220002**
Property **MENIFEE, CA 92585**

Site 30 of 34 in cluster A

Actual: 1446 ft.

RCRA Listings:
- Date Form Received by Agency: 20100308
- Handler Name: INLAND EMPIRE ENERGY CENTER
- Handler Address: 26226 ANTELOPE RD
- Handler City,State,Zip: MENIFEE, CA 92585
- EPA ID: CAP000220002
- Contact Name: ANDREW J GETZ
- Contact Address: 28 LOCKE RD
- Contact City,State,Zip: CONCORD, NH 03301
- Contact Telephone: 866-811-8365 x81
- Contact Fax: Not reported
- Contact Email: ANDY@REACT365.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Private
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Not reported
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 28 LOCKE RD
- Mailing City,State,Zip: CONCORD, NH 03301
- Owner Name: IEEC LLC

INLAND EMPIRE ENERGY CENTER (Continued) **1025881159**

Owner Type:		Private
Operator Name:	BES & T	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20100312
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

INLAND EMPIRE ENERGY CENTER (Continued) **1025881159**

Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D007
Waste Description: CHROMIUM

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: IEEC LLC
Legal Status: Private
Date Became Current: 20050729
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE RD
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: IEEC LLC
Legal Status: Private
Date Became Current: 20050729
Date Ended Current: Not reported
Owner/Operator Address: 26226 ANTELOPE RD
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BES & T
Legal Status: Private
Date Became Current: 20091005
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BES & T
Legal Status: Private
Date Became Current: 20091005
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

INLAND EMPIRE ENERGY CENTER (Continued) **1025881159**

Historic Generators:
Receive Date: 20091208
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100308
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A31 Target Property **TITAN CONTRACTING & LEASING**
26226 ANTELOPE RD
ROMOLAND, CA 92585

HAZNET S112967282
HWTS N/A

Site 31 of 34 in cluster A

Actual: 1446 ft.

HAZNET:
Name: TITAN CONTRACTING & LEASING
Address: 26226 ANTELOPE RD
Address 2: Not reported
City,State,Zip: ROMOLAND, CA 925858739
Contact: PAUL WARREN
Telephone: 9519281152
Mailing Name: Not reported
Mailing Address: 2205 RAGU DR

Year: 2008
Gepaid: CAC002625804

TITAN CONTRACTING & LEASING (Continued) **S112967282**

TSD EPA ID:	CAD008364423
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.75

Additional Info:

Year:	2008
Gen EPA ID:	CAC002625804
Shipment Date:	20080117
Creation Date:	3/12/2008 18:30:30
Receipt Date:	20080122
Manifest ID:	001371924FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364423
Trans Name:	RHOCHEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TITAN CONTRACTING & LEASING
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAC002625804
Inactive Date:	07/13/2008
Create Date:	01/14/2008
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2205 RAGU DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	OWENSBORO, KY 423031437
Owner Name:	TITAN CONTRACTING & LEASING
Owner Address:	2205 RAGU DR
Owner Address 2:	Not reported
Owner City,State,Zip:	OWENSBORO, KY 423031437
Contact Name:	PAUL WARREN
Contact Address:	26226 ANTELOPE RD
Contact Address 2:	Not reported

TITAN CONTRACTING & LEASING (Continued) **S112967282**

City,State,Zip: ROMOLAND, CA 925858739
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.741153
Longitude: -117.171642

A32 **INLAND EMPIRE ENERGY CENTER** **FINDS** **1016090003**
Target **26226 ANTELOPE RD** **ECHO** **N/A**
Property **ROMOLAND, CA 92585**

Site 32 of 34 in cluster A

Actual:
1446 ft.

FINDS:
Registry ID: 110030747011

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold -- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their system, sell them to other utilities on the open market or through EPA auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
AIR PROGRAM
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

INLAND EMPIRE ENERGY CENTER (Continued) **1016090003**

HAZARDOUS WASTE BIENNIAL REPORTER
STATE MASTER
AIR MAJOR
ELECTRIC GENERATOR
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).
GREENHOUSE GAS REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016090003
Registry ID:	110030747011
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110030747011
Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE RD
City,State,Zip:	ROMOLAND, CA 92585

A33 Target Property **INLAND EMPIRE ENERGY CENTER, LLC** **RMP** **1016171786**
26226 ANTELOPE ROAD **COAL ASH DOE** **N/A**
MENIFEE, CA 92585

Site 33 of 34 in cluster A

Actual: 1446 ft.

RMP:

Facility ID:	1000029781
Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE ROAD
Address 2:	Not reported
City,State,Zip:	MENIFEE, CA 92585
LEPC city:	Region VI LEPC
Facility decimal latitude:	33.737910
Facility decimal longitude:	-117.170565
Is facility in county box:	T
LatLong method:	IO
LatLong description:	PC
Home page web address:	Not reported
Facility telephone:	8776452516
Facility email:	frank.escobedo@ge.com
Facility DUNS #:	107161213
Parents name:	Inland Empire Holding Limited I, Inc.
Partners name:	Inland Empire Holding Limited II, Inc.
Parents DUNS #:	1367960
Partners DUNS #:	0
Operators name:	Inland Empire Energy Center, LLC
Operators telephone:	9519286905
Operators address:	26226 Antelope Road
Operators City,St,Zip:	Menifee, CA 92585
RMP implementation contact:	Alisa Moretto
RMP contact title:	EHS Manager
Emergency contact:	Ben Kling
Emergency contact title:	Plant Manager
Emergency contact telephone:	9519285903
24 hour emergency telephone:	9519285940
Emergency contact ext/pin #:	Not reported

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **1016171786**

Number of full time employees: 20
EPA ID: Not reported
Facility ID provided by CEPPO: 100000199741
Is facility covered by OSHA PSM: F
Is facility covered by EPCRA 302: T
Is fac. covered by CAA Title V 112(2): T
Clean air op. permit/State ID: 129816
Last safety insp. dat: 2011-08-11 00:00:00
Inspected by: Riverside County Dept. of Environmental Health
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Program Level 1
Facility has no accident hist. recs: True
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2012-08-09 00:00:00
Date of error Report: Not reported
Date RMP received: 2012-08-06 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2012-08-06 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2017-08-06 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.8
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: 2011-09-22 00:00:00
ER plan most recent employee training date: 2011-10-03 00:00:00
Local agency coordinating ER plan: Riverside County Env. Health Dept.
Telephone of the coordinating local agency: 9097666524
Federal regulation: True
OSHA 1910 120: False
SPCC: True
RCRA: False
OPA 90: True
EPCRA: True
Other Regulations: CalARP Program; 8 CCR Sect. 339; 3200; 5230; 5160

Processes:
Process ID: 1000036310
Optional facility description: SCR
Program level: 2

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **1016171786**

Record contains CBI data: False

Process NAICS:
NAICS code description: Fossil Fuel Electric Power Generation

Prevention Program 2:
Safety review date: 2012-07-25 00:00:00
Federal regulation comment: Not reported
Major Hazard: Toxic Release, Overpressurization, Overfilling, Equipment failure
Process Control: Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Alarms, Emergency power, Backup pump
Mitigation Systems: Dikes
Monitoring/Detection: Process area detector
Changes since the last process hazard analysis: Install process control
Most recent hazard review/update: 2012-07-19 00:00:00
Most recent review of op. procedures: 2012-07-19 00:00:00
Most recent training progs review/update: 2012-07-03 00:00:00
Expected completion of review changes: 2013-07-19 00:00:00
Training: Classroom, On the job
Competency testing: Written test, Demonstration, Observation
Most recent maintenance review date: 2012-07-03 00:00:00
Most recent equipment inspection date: 2012-07-03 00:00:00
Equipment tested: Pressure Safety Valves
Most recent compliance audit date: 2012-08-03 00:00:00
Expected date of audit completion: 2013-08-03 00:00:00
Most recent incident investigation: 2011-03-14 00:00:00
Expected date of investigation changes: 2011-10-10 00:00:00
Record has CBI data: False
Date of most recent changes: 2011-10-10 00:00:00

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 29.4
Physical state: b
Analytical basic: SCREEN3
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: a
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: 29.4
Physical state: b
Analytical basic: SCREEN3
Scenario: Not reported

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **1016171786**

Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	a
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Dikes

Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	70980

Facility ID:	1000061921
Name:	INLAND EMPIRE ENERGY CENTER, LLC
Address:	26226 ANTELOPE ROAD
Address 2:	Not reported
City,State,Zip:	MENIFEE, CA 92585
LEPC city:	Region VI LEPC
Facility decimal latitude:	33.737910
Facility decimal longitude:	-117.170565
Is facility in county box:	T
LatLong method:	IO
LatLong description:	PC
Home page web address:	Not reported
Facility telephone:	8776452516
Facility email:	frank.escobedo@ge.com
Facility DUNS #:	107161213
Parents name:	Inland Empire Holding Limited I, Inc.
Partners name:	Inland Empire Holding Limited II, Inc.
Parents DUNS #:	1367960
Partners DUNS #:	0
Operators name:	Inland Empire Energy Center, LLC
Operators telephone:	9519285900
Operators address:	26226 Antelope Road
Operators City,St,Zip:	Menifee, CA 92585
RMP implementation contact:	Francisco Escobedo
RMP contact title:	Director, Asset Management
Emergency contact:	Ben Kling
Emergency contact title:	Plant Manager
Emergency contact telephone:	9519285903
24 hour emergency telephone:	9519285940
Emergency contact ext/pin #:	Not reported
Number of full time employees:	22
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000199741
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	129816
Last safety insp. dat:	2014-10-14 00:00:00
Inspected by:	Riverside County Dept. of Environmental Health

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **1016171786**

Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Program Level 1
Facility has no accident hist. recs: True
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2017-06-28 00:00:00
Date of error Report: Not reported
Date RMP received: 2017-06-28 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2017-06-28 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2022-06-28 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.8
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: Not reported
ER plan most recent employee training date: Not reported
Local agency coordinating ER plan: Riverside County Env. Health Dept.
Telephone of the coordinating local agency: 9097666524
Federal regulation: True
OSHA 1910 120: False
SPCC: True
RCRA: False
OPA 90: True
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000077609
Optional facility description: SCR
Program level: 2
Record contains CBI data: False

Process NAICS:
NAICS code description: Fossil Fuel Electric Power Generation

Prevention Program 2:
Safety review date: 2017-05-01 00:00:00
Federal regulation comment: Not reported
Major Hazard: Toxic Release, Overpressurization, Overfilling, Contamination,

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **1016171786**

	Equipment failure, Earthquake
Process Control:	Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Alarms, Emergency power, Backup pump
Mitigation Systems:	Berm
Monitoring/Detection:	Process area detector
Changes since the last process hazard analysis:	No changes since last PHA
Most recent hazard review/update:	2017-01-09 00:00:00
Most recent review of op. procedures:	2017-03-31 00:00:00
Most recent training progs review/update:	2017-01-01 00:00:00
Expected completion of review changes:	2018-01-09 00:00:00
Training:	Classroom, On the job
Competency testing:	Written test, Demonstration, Observation
Most recent maintenance review date:	2017-01-17 00:00:00
Most recent equipment inspection date:	2017-01-17 00:00:00
Equipment tested:	Tanks and piping
Most recent compliance audit date:	2015-09-24 00:00:00
Expected date of audit completion:	2015-09-24 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	False
Date of most recent changes:	2016-03-23 00:00:00

Process Chemicals:

Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	60082
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	29.4
Physical state:	b
Analytical basic:	EPA’s OCA Guidance Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	a
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	29.4
Physical state:	b
Analytical basic:	EPA’s OCA Guidance Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **1016171786**

Topography:	a
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Berms

COAL ASH DOE:

Year:	2020
Plant Code:	55853
Name:	INLAND EMPIRE ENERGY CENTER
Address:	26226 ANTELOPE ROAD
City,State,Zip:	MENIFEE, CA 92585
By Product Description:	Fly ash from FBC units
Disposal Landfill:	.
Disposal Ponds:	.
Disposal Offsite:	.
Sold:	.
Used Onsite:	.
Used Offsite:	.
Stored Onsite:	.
Stored Offsite:	.
Total:	.
No Byproducts:	Y
By Product Description:	Fly ash from standard boiler/PCD units
Disposal Landfill:	.
Disposal Ponds:	.
Disposal Offsite:	.
Sold:	.
Used Onsite:	.
Used Offsite:	.
Stored Onsite:	.
Stored Offsite:	.
Total:	.
No Byproducts:	Y
By Product Description:	Fly ash from units with dry FGD
Disposal Landfill:	.
Disposal Ponds:	.
Disposal Offsite:	.
Sold:	.
Used Onsite:	.
Used Offsite:	.
Stored Onsite:	.
Stored Offsite:	.
Total:	.
No Byproducts:	Y
By Product Description:	Bottom ash from standard boiler units
Disposal Landfill:	.
Disposal Ponds:	.
Disposal Offsite:	.
Sold:	.

INLAND EMPIRE ENERGY CENTER, LLC (Continued) **1016171786**

Used Onsite:	.
Used Offsite:	.
Stored Onsite:	.
Stored Offsite:	.
Total:	.
No Byproducts:	Y
By Product Description:	Bottom (bed) ash from FBC units
Disposal Landfill:	.
Disposal Ponds:	.
Disposal Offsite:	.
Sold:	.
Used Onsite:	.
Used Offsite:	.
Stored Onsite:	.
Stored Offsite:	.
Total:	.
No Byproducts:	Y
By Product Description:	FGD Gypsum
Disposal Landfill:	.
Disposal Ponds:	.
Disposal Offsite:	.
Sold:	.
Used Onsite:	.
Used Offsite:	.
Stored Onsite:	.
Stored Offsite:	.
Total:	.
No Byproducts:	Y
By Product Description:	Ash from coal gasification (IGCC) units
Disposal Landfill:	.
Disposal Ponds:	.
Disposal Offsite:	.
Sold:	.
Used Onsite:	.
Used Offsite:	.
Stored Onsite:	.
Stored Offsite:	.
Total:	.
No Byproducts:	Y

A34 **INLAND EMPIRE ENERGY CTR TOP GRADE CONSTRUCTION** **HAZNET** **S124400304**
Target **26226 ANTELOPE RD** **HWTS** **N/A**
Property **ROMOLAND, CA 92585**

Site 34 of 34 in cluster A

Actual: 1446 ft.

HAZNET:

Name:	INLAND EMPIRE ENERGY CTR TOP GRADE CONSTRUCTION
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 925858739
Contact:	WESLEY CHAN
Telephone:	9255801030
Mailing Name:	Not reported
Mailing Address:	50 CONTRACTORS ST

INLAND EMPIRE ENERGY CTR TOP GRADE CONSTRUCTION (Continued) **S124400304**

Year:	2007
Gepaid:	CAL000316116
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.209

Year:	2007
Gepaid:	CAL000316116
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.15

Year:	2007
Gepaid:	CAL000316116
TSD EPA ID:	NVT330010000
CA Waste Code:	512 - Other empty containers 30 gallons or more
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.03

Additional Info:

Year:	2007
Gen EPA ID:	CAL000316116

Shipment Date:	20071114
Creation Date:	3/4/2008 18:30:21
Receipt Date:	20071120
Manifest ID:	003591881JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071114
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071119

INLAND EMPIRE ENERGY CTR TOP GRADE CONSTRUCTION (Continued) **S124400304**

Manifest ID:	003591945JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071114
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071119
Manifest ID:	003591945JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070427
Creation Date:	12/20/2007 18:30:07
Receipt Date:	20070503
Manifest ID:	002384235JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)

INLAND EMPIRE ENERGY CTR TOP GRADE CONSTRUCTION (Continued) **S124400304**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	INLAND EMPIRE ENERGY CTR TOP GRADE CONSTRUCTION
Address:	26226 ANTELOPE RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAL000316116
Inactive Date:	06/30/2009
Create Date:	02/06/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	50 CONTRACTORS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945514863
Owner Name:	TOP GRADE CONSTRUCTION
Owner Address:	50 CONTRACTORS ST
Owner Address 2:	Not reported
Owner City,State,Zip:	LIVERMORE, CA 945514863
Contact Name:	WESLEY CHAN
Contact Address:	45 CONTRACTORS ST
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945500000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.741153
Longitude:	-117.171762

NAICS:

EPA ID:	CAL000316116
Create Date:	2007-02-06 10:04:02.573
NAICS Code:	23411
NAICS Description:	Highway and Street Construction
Issued EPA ID Date:	2007-02-06 10:04:02.56000
Inactive Date:	2009-06-30 00:00:00
Facility Name:	INLAND EMPIRE ENERGY CTR TOP GRADE CONSTRUCTION
Facility Address:	26226 ANTELOPE RD
Facility Address 2:	Not reported
Facility City:	ROMOLAND
Facility County:	Not reported
Facility State:	CA
Facility Zip:	925858739

B35 **IEEC ROMOLAND FACILITY** **CERS** **S123508743**
N/A

< 1/8 **, CA**
1 ft.

Site 1 of 2 in cluster B

Relative: CERS:
Lower
Name: IEEC ROMOLAND FACILITY
Actual: Address: Not reported
1443 ft. City,State,Zip: CA
Site ID: 317767
CERS ID: 783370
CERS Description: Wetlands - Fill and Dredge Material

B36 **IEEC ROMOLAND FACILITY** **CIWQS** **S121645812**
N/A

< 1/8 **RIVERSIDE (County), CA**
1 ft.

Site 2 of 2 in cluster B

Relative: CIWQS:
Lower
Name: IEEC ROMOLAND FACILITY
Actual: Address: Not reported
1443 ft. City,State,Zip: CA
Agency: Inland Empire Energy Center, LLC
Agency Address: Not reported
Place/Project Type: Dredge/Fill Site
SIC/NAICS: Not reported
Region: 8
Program: CERFILLEXC
Regulatory Measure Status: Historical
Regulatory Measure Type: 401 Certification
Order Number: Not reported
WDID: Not reported
NPDES Number: Not reported
Adoption Date: 07/21/2005
Effective Date: 07/21/2005
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.737083
Longitude: -117.17025

C37 **BLOCK GRAPHICS** **CERS HAZ WASTE** **S113079546**
NE **28401 MATTHEWS RD** **HAZNET** **N/A**
< 1/8 **ROMOLAND, CA 92585** **NPDES**
0.033 mi. **CIWQS**
174 ft. **Site 1 of 2 in cluster C** **CERS**
HWTS

Relative:
Higher CERS HAZ WASTE:
Name: BLOCK GRAPHICS
Actual: Address: 28401 MATTHEWS RD
1451 ft.

BLOCK GRAPHICS (Continued) **S113079546**

City,State,Zip: ROMOLAND, CA 92585
Site ID: 99137
CERS ID: 10316839
CERS Description: Hazardous Waste Generator

HAZNET:
Name: BLOCK GRAPHICS
Address: 28401 MATTHEWS RD
Address 2: Not reported
City,State,Zip: ROMOLAND, CA 925850000
Contact: KEVIN WOLLENWEBER
Telephone: 9099281125
Mailing Name: Not reported
Mailing Address: PO BOX 20005

Year: 2002
Gepaid: CAL000144831
TSD EPA ID: CAD981402522
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.9174

Year: 2002
Gepaid: CAL000144831
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.4587

Year: 2001
Gepaid: CAL000144831
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.4586

Year: 2001
Gepaid: CAL000144831
TSD EPA ID: CAD981402522
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.4586

Year: 2000
Gepaid: CAL000144831
TSD EPA ID: CAD093459485
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.2293

Year: 2000
Gepaid: CAL000144831
TSD EPA ID: CAD093459485
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: -
Tons: 0.2293

BLOCK GRAPHICS (Continued) **S113079546**

Year:	1999
Gepaid:	CAL000144831
TSD EPA ID:	CAT000613976
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	-
Tons:	0.2293

Year:	1999
Gepaid:	CAL000144831
TSD EPA ID:	CAT000613976
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	H01 - Transfer Station
Tons:	1.1467

Year:	1998
Gepaid:	CAL000144831
TSD EPA ID:	CAT000613976
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	H01 - Transfer Station
Tons:	1.7511

Year:	1997
Gepaid:	CAL000144831
TSD EPA ID:	CAT000613976
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	H01 - Transfer Station
Tons:	0.8496

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:

Year:	2002
Gen EPA ID:	CAL000144831
Shipment Date:	20020516
Creation Date:	3/13/2003 18:31:17
Receipt Date:	20020531
Manifest ID:	21283940
Trans EPA ID:	CAL000224539
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020516
Creation Date:	1/24/2003 18:31:04
Receipt Date:	20020530
Manifest ID:	21283941
Trans EPA ID:	CAL000224539
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020228
Creation Date:	7/22/2002 18:31:22
Receipt Date:	20020312
Manifest ID:	20756378
Trans EPA ID:	CAL000224539
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020228
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020305
Manifest ID:	21283835
Trans EPA ID:	CAL000224539
Trans Name:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000144831
Shipment Date:	20011213
Creation Date:	2/26/2002 0:00:00
Receipt Date:	20011214
Manifest ID:	20756377
Trans EPA ID:	CAL000224539
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011019
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	20756171
Trans EPA ID:	CAL000224539
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481

BLOCK GRAPHICS (Continued) **S113079546**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011019
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	20756306
Trans EPA ID:	CAL000224539
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010927
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011018
Manifest ID:	20756261
Trans EPA ID:	CAL000224539
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

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

Additional Info:

Year:	2000
Gen EPA ID:	CAL000144831
Shipment Date:	20000418
Creation Date:	5/30/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99338030
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000308
Creation Date:	6/13/2000 0:00:00
Receipt Date:	20000310
Manifest ID:	99869913
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Additional Info:

Year:	1999
Gen EPA ID:	CAL000144831
Shipment Date:	19991104
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991112
Manifest ID:	99517567
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990720
Creation Date:	9/23/1999 0:00:00
Receipt Date:	19990723
Manifest ID:	99034483
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990308
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990311
Manifest ID:	98791345
Trans EPA ID:	ILD984908202

BLOCK GRAPHICS (Continued) **S113079546**

Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990303
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990311
Manifest ID:	98680559
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000144831

Shipment Date:	19981201
Creation Date:	2/26/1999 0:00:00
Receipt Date:	19981214
Manifest ID:	98452960
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981012
Creation Date:	1/5/1999 0:00:00
Receipt Date:	19981016
Manifest ID:	98571458
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981006
Creation Date:	1/5/1999 0:00:00
Receipt Date:	19981016
Manifest ID:	98287141
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3544
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980813
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980820
Manifest ID:	98270241
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980618
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980624
Manifest ID:	98177011
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3544
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980417
Creation Date:	6/26/1998 0:00:00
Receipt Date:	19980504
Manifest ID:	97491177

BLOCK GRAPHICS (Continued) **S113079546**

Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0
Waste Quantity:	85
Quantity Unit:	*
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980303
Creation Date:	5/8/1998 0:00:00
Receipt Date:	19980306
Manifest ID:	96798658
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980107
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19980119
Manifest ID:	97355708
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste

BLOCK GRAPHICS (Continued) **S113079546**

RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL000144831
Shipment Date:	19970919
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971003
Manifest ID:	96631564
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970407
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970418
Manifest ID:	96674472
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G

BLOCK GRAPHICS (Continued) **S113079546**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970124
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970210
Manifest ID:	96661122
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.391
Waste Quantity:	782
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	BLOCK GRAPHICS
Address:	28401 MATTHEWS ROAD
City,State,Zip:	ROMOLAND, CA 92585
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 33NEC000879
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/01/2015
Operator Name:	Block Graphics
Operator Address:	28401 Matthews Road

BLOCK GRAPHICS (Continued) **S113079546**

Operator City:	Romoland
Operator State:	California
Operator Zip:	92585
NPDES as of 03/2018:	
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	463962
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33NEC000879
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Block Graphics
Discharge Address:	28401 Matthews Road
Discharge City:	Romoland
Discharge State:	California
Discharge Zip:	92585
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	463962
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 33NEC000879
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/25/2015
Processed Date:	10/01/2015
Status:	Active
Status Date:	10/01/2015
Place Size:	4.43
Place Size Unit:	Acres
Contact:	Mark Beamesderfer
Contact Title:	General Manager
Contact Phone:	951-928-1125
Contact Phone Ext:	433
Contact Email:	mark_beamesderfer@ennis.com
Operator Name:	Block Graphics
Operator Address:	28401 Matthews Road
Operator City:	Romoland
Operator State:	California

BLOCK GRAPHICS (Continued) **S113079546**

Operator Zip:	92585
Operator Contact:	Mark Beamesderfer
Operator Contact Title:	Not reported
Operator Contact Phone:	951-928-1125
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark_beamesderfer@ennis.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	951-312-1520
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mark Beamesderfer
Certifier Title:	General Manager
Certification Date:	23-SEP-16
Primary Sic:	2761-Manifold Business Forms
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	BLOCK GRAPHICS
Address:	28401 MATTHEWS ROAD
City,State,Zip:	ROMOLAND, CA 92585
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	463962
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 33NEC000879
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Effective Date Of Regulatory Measure:	10/01/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	28401 Matthews Road
Discharge Name:	Block Graphics
Discharge City:	Romoland
Discharge State:	California
Discharge Zip:	92585
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	463962
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33NEC000879
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Block Graphics
Discharge Address:	28401 Matthews Road
Discharge City:	Romoland
Discharge State:	California
Discharge Zip:	92585
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	463962
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 33NEC000879
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/25/2015
Processed Date:	10/01/2015
Status:	Active

BLOCK GRAPHICS (Continued) **S113079546**

Status Date:	10/01/2015
Place Size:	4.43
Place Size Unit:	Acres
Contact:	Mark Beamesderfer
Contact Title:	General Manager
Contact Phone:	951-928-1125
Contact Phone Ext:	433
Contact Email:	mark_beamesderfer@ennis.com
Operator Name:	Block Graphics
Operator Address:	28401 Matthews Road
Operator City:	Romoland
Operator State:	California
Operator Zip:	92585
Operator Contact:	Mark Beamesderfer
Operator Contact Title:	Not reported
Operator Contact Phone:	951-928-1125
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark_beamesderfer@ennis.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	951-312-1520
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mark Beamesderfer
Certifier Title:	General Manager
Certification Date:	23-SEP-16
Primary Sic:	2761-Manifold Business Forms
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	BLOCK GRAPHICS

BLOCK GRAPHICS (Continued) **S113079546**

Address:	28401 MATTHEWS ROAD
City,State,Zip:	ROMOLAND, CA 92585
Agency:	Block Graphics
Agency Address:	28401 Matthews Road, Romoland, CA 92585
Place/Project Type:	Industrial - Manifold Business Forms
SIC/NAICS:	2761
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 33NEC000879
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/01/2015
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.73964
Longitude:	-117.16509

CERS:

Name:	BLOCK GRAPHICS
Address:	28401 MATTHEWS ROAD
City,State,Zip:	ROMOLAND, CA 92585
Site ID:	527575
CERS ID:	840893
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Block Graphics
Entity Title:	Operator
Affiliation Address:	28401 Matthews Road
Affiliation City:	Romoland
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92585
Affiliation Phone:	,

Name:	BLOCK GRAPHICS
Address:	28401 MATTHEWS RD
City,State,Zip:	ROMOLAND, CA 92585
Site ID:	99137
CERS ID:	10316839
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	99137
Site Name:	Block Graphics
Violation Date:	11-10-2020
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter

BLOCK GRAPHICS (Continued) **S113079546**

	1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 12/18/2020. OBSERVATION: Observed the following areas not maintained clean and free of debris: drip pan underneath Harris press, Air Compressor tote, and Flammable cabinet near air compressors. CORRECTIVE ACTION: Owner/operator shall ensure all hazardous waste areas are maintained clean and free of debris, and manage according to Title 22 hazardous waste regulations.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	99137
Site Name:	Block Graphics
Violation Date:	11-10-2020
Citation:	Un-Specified
Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	Returned to compliance on 12/18/2020. OBSERVATION: Observed faded NFPA-704 signs located at the entrance to the facility. CORRECTIVE ACTION: Owner/operator shall replace all faded or otherwise unrecognizable NFPA-704 signs.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-30-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-30-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-10-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

BLOCK GRAPHICS (Continued) **S113079546**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-10-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Block Graphics
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Ennis Corporation
Entity Title:	Not reported
Affiliation Address:	2441 Presidential Parkway
Affiliation City:	Midlothian
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	76065
Affiliation Phone:	(972) 775-9820,

Affiliation Type Desc:	Property Owner
Entity Name:	Ennis Corporation
Entity Title:	Not reported
Affiliation Address:	2441 Presidential Parkway
Affiliation City:	Midlothian
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	76065
Affiliation Phone:	(972) 775-9820,

Affiliation Type Desc:	Document Preparer
Entity Name:	Candi Griffith
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

BLOCK GRAPHICS (Continued) **S113079546**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Roblyn Beltran
Entity Title: Not reported
Affiliation Address: 28401 Matthews Road
Affiliation City: Romoland
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92585
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Roblyn Beltran
Entity Title: General Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 28401 Matthews Road
Affiliation City: Romoland
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92585
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Block Graphics
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (951) 928-1125,

HWTS:
Name: BLOCK GRAPHICS
Address: 28401 MATTHEWS RD
Address 2: Not reported
City,State,Zip: ROMOLAND, CA 92585
EPA ID: CAL000144831
Inactive Date: 06/30/2001
Create Date: 01/10/1997
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 20005
Mailing Address 2: Not reported
Mailing City,State,Zip: SUN CITY, CA 925861505

BLOCK GRAPHICS (Continued) **S113079546**

Owner Name:	BLOCK GRAPHICS INC
Owner Address:	PO BOX 20005
Owner Address 2:	Not reported
Owner City,State,Zip:	SUN CITY, CA 925861505
Contact Name:	KEVIN WOLLENWEBER
Contact Address:	INACTIVE PER VQ01 - BMI
Contact Address 2:	Not reported
City,State,Zip:	SUN CITY, CA 925861505
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.738137
Longitude:	-117.162536

NAICS:

EPA ID:	CAL000144831
Create Date:	2002-03-14 16:36:28.000
NAICS Code:	323116
NAICS Description:	Manifold Business Forms Printing
Issued EPA ID Date:	1997-01-10 00:00:00
Inactive Date:	2001-06-30 00:00:00
Facility Name:	BLOCK GRAPHICS
Facility Address:	28401 MATTHEWS RD
Facility Address 2:	Not reported
Facility City:	ROMOLAND
Facility County:	Not reported
Facility State:	CA
Facility Zip:	925850000

C38 **BLOCK GRAPHICS** **RCRA-SQG** **1004675775**
NE **28401 MATTHEWS** **FINDS** **CAR000076968**
< 1/8 **ROMOLAND, CA 92585** **ECHO**
0.033 mi. **HAZNET**
174 ft. **Site 2 of 2 in cluster C** **HWTS**

Relative:
Higher

Actual:
1451 ft.

RCRA Listings:

Date Form Received by Agency:		20000703
Handler Name:	BLOCK GRAPHICS	
Handler Address:		28401 MATTHEWS
Handler City,State,Zip:		ROMOLAND, CA 92585
EPA ID:		CAR000076968
Contact Name:		KEVIN WOLLENWEBER
Contact Address:		28401 MATTHEWS
Contact City,State,Zip:		ROMOLAND, CA 92585
Contact Telephone:		909-928-1125
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported

BLOCK GRAPHICS (Continued) **1004675775**

Mailing Address:		28401 MATTHEWS
Mailing City,State,Zip:		ROMOLAND, CA 92585
Owner Name:	BLOCK GRAPHICS	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20021007
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

BLOCK GRAPHICS (Continued) **1004675775**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BLOCK GRAPHICS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 28401 MATTHEWS
Owner/Operator City,State,Zip: ROMOLAND, CA 92585
Owner/Operator Telephone: 909-928-1125
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20000703
Handler Name: BLOCK GRAPHICS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002939580

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)

BLOCK GRAPHICS (Continued) **1004675775**

provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004675775
Registry ID:	110002939580
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002939580
Name:	BLOCK GRAPHICS
Address:	28401 MATTHEWS
City,State,Zip:	ROMOLAND, CA 92585

HAZNET:

Name:	BLOCK GRAPHICS INC
Address:	28401 MATTHEWS RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 925859655
Contact:	ROBLYN BELTRAN
Telephone:	9519281125
Mailing Name:	Not reported
Mailing Address:	28401 MATTHEWS ROAD
Year:	2021
Gepaid:	CAR000076968
TSD EPA ID:	AZR000520304
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.15
Year:	2021
Gepaid:	CAR000076968
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.18766
Year:	2020
Gepaid:	CAR000076968

BLOCK GRAPHICS (Continued) **1004675775**

TSD EPA ID: AZR000520304
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22936

Year: 2020
Gepaid: CAR000076968
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.418

Year: 2020
Gepaid: CAR000076968
TSD EPA ID: AZR000520304
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2019
Gepaid: CAR000076968
TSD EPA ID: AZR000520304
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.11250

Year: 2018
Gepaid: CAR000076968
TSD EPA ID: AZR000520304
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22500

Year: 2017
Gepaid: CAR000076968
TSD EPA ID: AZR000501510
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.175

Year: 2016
Gepaid: CAR000076968
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: Not reported

Year: 2016
Gepaid: CAR000076968
TSD EPA ID: CAD097030993
CA Waste Code: 541 - Photochemicals/photoprocessing waste

BLOCK GRAPHICS (Continued) **1004675775**

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22935

Click this hyperlink while viewing on your computer to access
44 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:
Year: 2020
EM Manifest ID: 916761
Shipment Date: 12/19/2019
Receipt Date: 12/31/2019
Manifest Number: 006375446GBF
Generator EPA ID: CAR000076968
Name: BLOCK GRAPHICS INC
Address: 28401 MATTHEWS RD
Address 2: Not reported
City: ROMOLAND
Zip: 92585-9655
Telephone: 800-297-7292
Contact: Not reported
Contact Telephone: 951-928-1125
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980595293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 916761
Generator EPA ID: CAR000076968
Shipment Date: 2019-12-19
Manifest Number: 006375446GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.08750
Quantity Waste: 175.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Detail Two:
Year: 2019
EM Manifest ID: 415755
Shipment Date: 8/9/2018
Receipt Date: 8/25/2018

BLOCK GRAPHICS (Continued) **1004675775**

Manifest Number:	003722094GBF
Generator EPA ID:	CAR000076968
Name:	BLOCK GRAPHICS
Address:	28401 MATTHEWS
Address 2:	Not reported
City:	ROMOLAND
Zip:	92585
Telephone:	800-297-7292
Contact:	Not reported
Contact Telephone:	909-928-1125
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	415755
Generator EPA ID:	CAR000076968
Shipment Date:	2018-08-09
Manifest Number:	003722094GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	712398
Shipment Date:	6/12/2019
Receipt Date:	6/21/2019
Manifest Number:	006206993GBF
Generator EPA ID:	CAR000076968
Name:	BLOCK GRAPHICS INC
Address:	28401 MATTHEWS RD
Address 2:	Not reported
City:	ROMOLAND
Zip:	92585-9655
Telephone:	800-297-7292
Contact:	Not reported
Contact Telephone:	951-928-1125
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304

BLOCK GRAPHICS (Continued) **1004675775**

TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 712398
Generator EPA ID: CAR000076968
Shipment Date: 2019-06-12
Manifest Number: 006206993GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 815989
Shipment Date: 12/10/2018
Receipt Date: 12/15/2018
Manifest Number: 006090078GBF
Generator EPA ID: CAR000076968
Name: BLOCK GRAPHICS INC
Address: 28401 MATTHEWS RD
Address 2: Not reported
City: ROMOLAND
Zip: 92585-9655
Telephone: 800-297-7292
Contact: Not reported
Contact Telephone: 951-928-1125
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 815989
Generator EPA ID: CAR000076968
Shipment Date: 2018-12-10
Manifest Number: 006090078GBF
Line Number: 2
Method Code: H141

BLOCK GRAPHICS (Continued) **1004675775**

Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2018
EM Manifest ID:	003522108GBF20171120_D_1
Shipment Date:	11/20/2017
Receipt Date:	11/29/2017
Manifest Number:	003522108GBF
Generator EPA ID:	CAR000076968
Name:	BLOCK GRAPHICS (MARK BEAMESDERFER)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003522108GBF20171120_D_1
Generator EPA ID:	CAR000076968
Shipment Date:	2017-11-20
Manifest Number:	003522108GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.17500
Quantity Waste:	350.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Additional Info:

Year:	2017
Gen EPA ID:	CAR000076968

BLOCK GRAPHICS (Continued) **1004675775**

Shipment Date:	20171120
Creation Date:	7/13/2018 18:30:08
Receipt Date:	20171129
Manifest ID:	003522108GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000076968
Shipment Date:	20151120
Creation Date:	2/9/2016 22:15:50
Receipt Date:	20151210
Manifest ID:	002736375GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151211

BLOCK GRAPHICS (Continued) **1004675775**

Manifest ID:	002736973GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150812
Creation Date:	11/6/2015 22:15:24
Receipt Date:	20150915
Manifest ID:	002736377GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150812
Creation Date:	10/12/2015 22:15:28
Receipt Date:	20150820
Manifest ID:	002736376GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES

BLOCK GRAPHICS (Continued) **1004675775**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150416
Creation Date:	11/6/2015 22:15:07
Receipt Date:	20150507
Manifest ID:	002177496GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0825
Waste Quantity:	165
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150416
Creation Date:	8/21/2015 22:15:46
Receipt Date:	20150506
Manifest ID:	002506419GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9174

BLOCK GRAPHICS (Continued) **1004675775**

Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150416
Creation Date:	8/21/2015 22:15:46
Receipt Date:	20150507
Manifest ID:	002506420GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000076968
Shipment Date:	20151120
Creation Date:	2/9/2016 22:15:50
Receipt Date:	20151210
Manifest ID:	002736375GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported

BLOCK GRAPHICS (Continued) **1004675775**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151211
Manifest ID:	002736973GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150812
Creation Date:	10/12/2015 22:15:28
Receipt Date:	20150820
Manifest ID:	002736376GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150812
Creation Date:	11/6/2015 22:15:24

BLOCK GRAPHICS (Continued) **1004675775**

Receipt Date:	20150915
Manifest ID:	002736377GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150416
Creation Date:	8/21/2015 22:15:46
Receipt Date:	20150507
Manifest ID:	002506420GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150416
Creation Date:	8/21/2015 22:15:46
Receipt Date:	20150506
Manifest ID:	002506419GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481

BLOCK GRAPHICS (Continued) **1004675775**

Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150416
Creation Date:	11/6/2015 22:15:07
Receipt Date:	20150507
Manifest ID:	002177496GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0825
Waste Quantity:	165
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000076968
Shipment Date:	20141210
Creation Date:	3/6/2015 22:15:05
Receipt Date:	20141212
Manifest ID:	002506641GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

BLOCK GRAPHICS (Continued) **1004675775**

Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.64635
Waste Quantity:	155
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141210
Creation Date:	2/24/2015 22:15:05
Receipt Date:	20141223
Manifest ID:	002506642GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140729
Creation Date:	9/23/2014 22:15:24
Receipt Date:	20140731
Manifest ID:	002505935GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G

BLOCK GRAPHICS (Continued) **1004675775**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140411
Creation Date:	6/18/2014 22:14:45
Receipt Date:	20140424
Manifest ID:	002305360GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140411
Creation Date:	8/9/2014 22:15:29
Receipt Date:	20140424
Manifest ID:	002305385GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

BLOCK GRAPHICS (Continued) **1004675775**

Additional Info:

Year:	2013
Gen EPA ID:	CAR000076968
Shipment Date:	20131217
Creation Date:	3/2/2014 22:15:06
Receipt Date:	20140106
Manifest ID:	002177495GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130905
Creation Date:	10/29/2013 22:15:09
Receipt Date:	20130916
Manifest ID:	002177194GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130905
Creation Date:	1/13/2014 22:15:22
Receipt Date:	20130919

BLOCK GRAPHICS (Continued) **1004675775**

Manifest ID:	002177195GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130627
Creation Date:	8/22/2013 22:15:23
Receipt Date:	20130716
Manifest ID:	002176959GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130311
Creation Date:	5/8/2013 22:15:09
Receipt Date:	20130315
Manifest ID:	002070401GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY

BLOCK GRAPHICS (Continued) **1004675775**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000076968
Shipment Date:	20121107
Creation Date:	1/6/2013 22:15:16
Receipt Date:	20121113
Manifest ID:	001875615GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD981402522
Trans 2 Name:	COMMODITY RESOURCE & ENVIRONMENTAL
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	100
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121107
Creation Date:	1/6/2013 22:15:16
Receipt Date:	20121113
Manifest ID:	001875615GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD981402522
Trans 2 Name:	COMMODITY RESOURCE & ENVIRONMENTAL
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste

BLOCK GRAPHICS (Continued) **1004675775**

RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120821
Creation Date:	10/31/2012 22:15:23
Receipt Date:	20120827
Manifest ID:	001875873GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD981402522
Trans 2 Name:	COMMODITY RESOURCE & ENVIRONMENTAL
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.68805
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120611
Creation Date:	9/17/2012 22:15:21
Receipt Date:	20120706
Manifest ID:	001875616GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported

BLOCK GRAPHICS (Continued) **1004675775**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120319
Creation Date:	5/24/2012 20:30:25
Receipt Date:	20120327
Manifest ID:	001619362GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD981402522
Trans 2 Name:	COMMODITY RESOURCE & ENVIRONMENTAL
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BLOCK GRAPHICS INC
Address:	28401 MATTHEWS RD
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
EPA ID:	CAR000076968
Inactive Date:	Not reported
Create Date:	04/03/2001
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	28401 MATTHEWS ROAD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SUN CITY, CA 925850000
Owner Name:	ENNIS CORPORATION
Owner Address:	2441 PRESIDENTIAL PKWY
Owner Address 2:	Not reported
Owner City,State,Zip:	MIDLOTHIAN, TX 760650000
Contact Name:	ROBLYN BELTRAN
Contact Address:	28401 MATTHEWS RD
Contact Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 92585
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.741043
Longitude:	-117.167359

BLOCK GRAPHICS (Continued) **1004675775**

NAICS:

EPA ID:	CAR000076968
Create Date:	2002-03-14 16:36:30.000
NAICS Code:	323116
NAICS Description:	Manifold Business Forms Printing
Issued EPA ID Date:	2001-04-03 00:00:00
Inactive Date:	Not reported
Facility Name:	BLOCK GRAPHICS INC
Facility Address:	28401 MATTHEWS RD
Facility Address 2:	Not reported
Facility City:	ROMOLAND
Facility County:	Not reported
Facility State:	CA
Facility Zip:	925859655

D39 **ADVANCED EROSION SERVICES CORP** **CERS HAZ WASTE** **S123509041**
SW **27955 MCLAUGHLIN AVE** **CERS TANKS** **N/A**
< 1/8 **SUN CITY, CA 92585** **CERS**
0.110 mi.
581 ft. **Site 1 of 3 in cluster D**

Relative:
Lower

Actual:
1441 ft.

CERS HAZ WASTE:

Name:	ADVANCED EROSION SERVICES CORP
Address:	27955 MCLAUGHLIN AVE
City,State,Zip:	SUN CITY, CA 92585
Site ID:	3226
CERS ID:	10330405
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	ADVANCED EROSION SERVICES CORP
Address:	27955 MCLAUGHLIN AVE
City,State,Zip:	SUN CITY, CA 92585
Site ID:	3226
CERS ID:	10330405
CERS Description:	Aboveground Petroleum Storage

CERS:

Name:	ADVANCED EROSION SERVICES CORP
Address:	27955 MCLAUGHLIN AVE
City,State,Zip:	SUN CITY, CA 92585
Site ID:	3226
CERS ID:	10330405
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	3226
Site Name:	Advanced Erosion Services Corp
Violation Date:	03-25-2021
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	Returned to compliance on 04/01/2021.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA

ADVANCED EROSION SERVICES CORP (Continued) **S123509041**

Violation Source:	CERS,
Site ID:	3226
Site Name:	Advanced Erosion Services Corp
Violation Date:	03-25-2021
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.
Violation Notes:	Returned to compliance on 05/11/2021.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	3226
Site Name:	Advanced Erosion Services Corp
Violation Date:	03-25-2021
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with one or more of the following requirements: 1. Have record of inspections and tests, including integrity tests, signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and tests, including integrity tests, for at least three years. 3. Keep comparison records.
Violation Notes:	Returned to compliance on 05/11/2021.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	3226
Site Name:	Advanced Erosion Services Corp
Violation Date:	03-25-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 03/25/2021. OBSERVATION: The site map that was submitted in the most recent CERS submittal was missing the locations of emergency shut-offs and the evacuation staging area(s). CORRECTIVE ACTION: Owner/operator shall complete an annotated site map which includes all elements outlined in CA Health and Safety Code: north orientation, loading areas, internal roads, adjacent streets, storm and sewer drain, access and exit points, emergency shut offs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. Submit site map into the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov. *The map was revised and uploaded into CERS during the inspection, so this violation was corrected at the time of inspection.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

ADVANCED EROSION SERVICES CORP (Continued) **S123509041**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility is a grading contractor. Hazardous waste streams generated from the business include waste oil, filters, and antifreeze.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility is a grading contractor that stores diesel fuel, red-dyed diesel, oils, and welding gases onsite.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

ADVANCED EROSION SERVICES CORP (Continued) **S123509041**

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	175 N. Cawston Avenue, Suite 170
Affiliation City:	Hemet
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92545
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Armando Lovera
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	Armando Lovera
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	AES Construction Services
Entity Title:	Not reported
Affiliation Address:	175 N. Cawston Ave. Suite 170
Affiliation City:	Hemet
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92545
Affiliation Phone:	(951) 929-8780,

Affiliation Type Desc:	Operator
Entity Name:	Advanced Erosion Services, Corp
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 929-8780,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Advanced Erosion Services Corp
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

ADVANCED EROSION SERVICES CORP (Continued) **S123509041**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Armando Lovera
Entity Title:	Not reported
Affiliation Address:	830 Shiraz Dr
Affiliation City:	Hemet
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92545
Affiliation Phone:	,

D40 **AES CORP DBA AES CONSTRUCTI0N SERVICES** **RCRA NonGen / NLR** **1024836028**
SW **27955 MCLAUGHLIN AVE** **CAL000378765**
< 1/8 **SUN CITY, CA 92585**
0.110 mi.
581 ft. **Site 2 of 3 in cluster D**

Relative: **Lower**

Actual: **1441 ft.**

RCRA Listings:

Date Form Received by Agency:		20121004
Handler Name:	AES CORP DBA AES CONSTRUCTI0N SERVICES	
Handler Address:		27955 MCLAUGHLIN AVE
Handler City,State,Zip:		SUN CITY, CA 92585
EPA ID:		CAL000378765
Contact Name:		ARMANDO LOVERA
Contact Address:		175 N. CAWSTON AVE SUITE 170
Contact City,State,Zip:		HEMET, CA 92545
Contact Telephone:		951-929-8780
Contact Fax:		888-228-4035
Contact Email:		SUSY.CARRILLO@AESCORPCONSTRUCTION.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		175 N CAWSTON AVENUE SUITE 170
Mailing City,State,Zip:		HEMET, CA 92545-0000
Owner Name:	ARMANDO LOVERA	
Owner Type:		Other
Operator Name:	ARMANDO LOVERA	

AES CORP DBA AES CONSTRUCTI0N SERVICES (Continued) **1024836028**

Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

AES CORP DBA AES CONSTRUCTI0N SERVICES (Continued) **1024836028**

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: ARMANDO LOVERA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 175 N. CAWSTON AVE SUITE 170
Owner/Operator City,State,Zip: HEMET, CA 92545
Owner/Operator Telephone: 951-929-8780
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ARMANDO LOVERA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 830 SHIRAZ DR
Owner/Operator City,State,Zip: HEMET, CA 92545-0000
Owner/Operator Telephone: 951-929-8780
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20121004
Handler Name: AES CORP DBA AES CONSTRUCTI0N SERVICES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23593
NAICS Description: EXCAVATION CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D41 **ADVANCED EROSION SERVICES CORP** **AST** **A100416910**
SW **27955 MCLAUGHLIN AVE** **N/A**
< 1/8 **SUN CITY, CA 92585**
0.110 mi.
581 ft. **Site 3 of 3 in cluster D**

Relative: AST:
Lower

Actual:
1441 ft.

Name:	ADVANCED EROSION SERVICES CORP
Address:	27955 MCLAUGHLIN AVE
City/Zip:	SUN CITY,92585
Certified Unified Program Agencies:	Not reported
Owner:	AES Construction Services
Total Gallons:	Not reported
CERSID:	10330405
Facility ID:	33038781
Business Name:	Advanced Erosion Services Corp
Phone:	(951) 929-8780
Fax:	Not reported
Mailing Address:	830 Shiraz Dr
Mailing Address City:	Hemet
Mailing Address State:	CA
Mailing Address Zip Code:	92545
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

E42 **DATATRONICS INC** **RCRA-LQG** **1000365486**
NNE **28151 HWY 74** **CAD009532979**
< 1/8 **ROMOLAND, CA 92585**
0.111 mi.
584 ft. **Site 1 of 2 in cluster E**

Relative: RCRA Listings:
Higher

Actual:
1453 ft.

Date Form Received by Agency:		20181105
Handler Name:	DATATRONICS INC	
Handler Address:		28151 HWY 74
Handler City,State,Zip:		ROMOLAND, CA 92585-0000
EPA ID:		CAD009532979
Contact Name:		CESAR BAUTISTA
Contact Address:		HWY 74
Contact City,State,Zip:		MENIFEE, CA 92585
Contact Telephone:		951-928-7700 768
Contact Fax:		951-928-7701
Contact Email:		CBAUTISTA@DATATRONICS.COM
Contact Title:		FACILITIES SUPERVISOR
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator

DATATRONICS INC (Continued) **1000365486**

Non-Notifier:		Not reported
Biennial Report Cycle:		2017
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		HWY 74
Mailing City,State,Zip:		MENIFEE, CA 92585
Owner Name:	PAUL SIU	
Owner Type:		Private
Operator Name:	BRADLEY TURNER	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No

DATATRONICS INC (Continued) **1000365486**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181126
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: PAUL SIU	
Legal Status:	Private
Date Became Current:	19890403
Date Ended Current:	Not reported
Owner/Operator Address:	28151 HWY 74
Owner/Operator City,State,Zip:	MENIFEE, CA 92585
Owner/Operator Telephone:	951-928-7700

DATATRONICS INC (Continued) **1000365486**

Owner/Operator Telephone Ext: 768
Owner/Operator Fax: 951-928-7701
Owner/Operator Email: CBAUTISTA@DATATRONICS.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: BRADLEY TURNER
Legal Status: Private
Date Became Current: 20130701
Date Ended Current: Not reported
Owner/Operator Address: 28151 HWY 74
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: 951-928-7700
Owner/Operator Telephone Ext: 768
Owner/Operator Fax: 951-928-7701
Owner/Operator Email: CBAUTISTA@DATATRONICS.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20181105
Handler Name: DATATRONICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: BOURNS INSTRUMENTS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19801114
Handler Name: BOURNS INSTRUMENTS

DATATRONICS INC (Continued) **1000365486**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900412
Handler Name: BOURNS INSTRUMENTS INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 334419
NAICS Description: OTHER ELECTRONIC COMPONENT MANUFACTURING

NAICS Code: 335311
NAICS Description: POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMER MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

DATATRONICS INC (Continued) **1000365486**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19930328
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

E43 **DATATRONICS INC** **CERS HAZ WASTE** **S112999821**
NNE **28151 HWY 74** **HAZNET** **N/A**
< 1/8 **ROMOLAND, CA 92585** **CERS**
0.111 mi. **HWTS**
584 ft. **Site 2 of 2 in cluster E**

Relative: Higher

Actual: 1453 ft.

CERS HAZ WASTE:

Name:	DATATRONICS INC
Address:	28151 HWY 74
City,State,Zip:	ROMOLAND, CA 92585
Site ID:	110279
CERS ID:	10317022
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	DATATRONICS INC
Address:	28151 HWY 74
Address 2:	Not reported
City,State,Zip:	ROMOLAND, CA 925850000
Contact:	CESAR BAUTISTA
Telephone:	9519287700
Mailing Name:	Not reported
Mailing Address:	28151 HWY 74
Year:	2021
Gepaid:	CAD009532979
TSD EPA ID:	AZR000520304
CA Waste Code:	513 - Empty containers less than 30 gallons

DATATRONICS INC (Continued) **S112999821**

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2017
Gepaid: CAD009532979
TSD EPA ID: AZR000501510
CA Waste Code: 513 - Empty containers less than 30 gallons
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1125

Year: 2017
Gepaid: CAD009532979
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 2.0465

Year: 2017
Gepaid: CAD009532979
TSD EPA ID: MXC130619001
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.22935

Year: 2016
Gepaid: CAD009532979
TSD EPA ID: AZR000501510
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.231

Year: 2016
Gepaid: CAD009532979
TSD EPA ID: AZR000501510
CA Waste Code: 513 - Empty containers less than 30 gallons
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2016
Gepaid: CAD009532979
TSD EPA ID: MXC130619001
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.22935

Year: 2016
Gepaid: CAD009532979
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 2.3595

DATATRONICS INC (Continued) **S112999821**

Year:	2016
Gepaid:	CAD009532979
TSD EPA ID:	MXC130619001
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H123 - Settling Or Clarification
Tons:	0.4587

Year:	2015
Gepaid:	CAD009532979
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	1.473

Click this hyperlink while viewing on your computer to access
199 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAD009532979
Shipment Date:	20170913
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20170925
Manifest ID:	010967176FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170913
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20170925
Manifest ID:	010967176FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV

DATATRONICS INC (Continued) **S112999821**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170913
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20170925
Manifest ID:	010967176FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170913
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20170925
Manifest ID:	010967176FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.9075
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	D001

DATATRONICS INC (Continued) **S112999821**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010967176FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0575
Waste Quantity:	115
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170301
Manifest ID:	009786864FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	1.9965
Waste Quantity:	605
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170301

DATATRONICS INC (Continued) **S112999821**

Manifest ID:	009786864FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170301
Manifest ID:	009786864FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	5/11/2018 18:32:50
Receipt Date:	20170224
Manifest ID:	009786863FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported

DATATRONICS INC (Continued) **S112999821**

TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD009532979
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

DATATRONICS INC (Continued) **S112999821**

Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.66
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DATATRONICS INC (Continued) **S112999821**

Shipment Date:	20150828
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150911
Manifest ID:	000197963MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150828
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150911
Manifest ID:	000197963MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150317
Creation Date:	8/28/2015 22:15:07
Receipt Date:	20150327
Manifest ID:	007681766FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD981412356

DATATRONICS INC (Continued) **S112999821**

Trans 2 Name:	PACIFIC TRAN ENV SER
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	8/18/2015 22:15:10
Receipt Date:	20150331
Manifest ID:	007682325FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	8/10/2015 22:15:28
Receipt Date:	20150327
Manifest ID:	007682326FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

DATATRONICS INC (Continued) **S112999821**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	8/10/2015 22:15:28
Receipt Date:	20150327
Manifest ID:	007682326FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.3465
Waste Quantity:	105
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD009532979
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2085
Waste Quantity:	50

DATATRONICS INC (Continued) **S112999821**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150828
Creation Date:	2/9/2016 22:16:04

DATATRONICS INC (Continued) **S112999821**

Receipt Date:	20150909
Manifest ID:	000197962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.66
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150828
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150911
Manifest ID:	000197963MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150828
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150911
Manifest ID:	000197963MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY

DATATRONICS INC (Continued) **S112999821**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	8/28/2015 22:15:07
Receipt Date:	20150327
Manifest ID:	007681766FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRAN ENV SER
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	8/18/2015 22:15:10
Receipt Date:	20150331
Manifest ID:	007682325FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1

DATATRONICS INC (Continued) **S112999821**

Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	8/10/2015 22:15:28
Receipt Date:	20150327
Manifest ID:	007682326FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	8/10/2015 22:15:28
Receipt Date:	20150327
Manifest ID:	007682326FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.3465
Waste Quantity:	105
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DATATRONICS INC (Continued) **S112999821**

Additional Info:

Year:	2014
Gen EPA ID:	CAD009532979
Shipment Date:	20141031
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141118
Manifest ID:	007682362FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.68805
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141031
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141118
Manifest ID:	007682362FLE
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.5445
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141031
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141118
Manifest ID:	007682362FLE
Trans EPA ID:	CAR000176826

DATATRONICS INC (Continued) **S112999821**

Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140422
Creation Date:	9/12/2014 22:15:05
Receipt Date:	20140425
Manifest ID:	000197470MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140422
Creation Date:	10/17/2014 22:15:06
Receipt Date:	20140430
Manifest ID:	000197471MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

DATATRONICS INC (Continued) **S112999821**

RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140422
Creation Date:	10/17/2014 22:15:06
Receipt Date:	20140430
Manifest ID:	000197471MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD009532979
Shipment Date:	20131209
Creation Date:	5/14/2014 22:14:54
Receipt Date:	20131216
Manifest ID:	000196827MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.726
Waste Quantity:	220
Quantity Unit:	G

DATATRONICS INC (Continued) **S112999821**

Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131209
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131218
Manifest ID:	000196826MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130606
Creation Date:	10/30/2013 22:15:21
Receipt Date:	20130620
Manifest ID:	000165962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130606
Creation Date:	10/30/2013 22:15:21

DATATRONICS INC (Continued) **S112999821**

Receipt Date:	20130620
Manifest ID:	000165962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130606
Creation Date:	10/30/2013 22:15:21
Receipt Date:	20130620
Manifest ID:	000165962MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130208
Creation Date:	7/12/2013 22:15:06
Receipt Date:	20130301
Manifest ID:	000145119MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported

DATATRONICS INC (Continued) **S112999821**

TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130208
Creation Date:	6/29/2013 22:15:06
Receipt Date:	20130212
Manifest ID:	000145118MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.5445
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130208
Creation Date:	6/29/2013 22:15:06
Receipt Date:	20130212
Manifest ID:	000145118MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported

DATATRONICS INC (Continued) **S112999821**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130208
Creation Date:	6/28/2013 22:15:05
Receipt Date:	20130221
Manifest ID:	000145117MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130208
Creation Date:	4/14/2013 22:15:06
Receipt Date:	20130218
Manifest ID:	000145120MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012

DATATRONICS INC (Continued) **S112999821**

Gen EPA ID:	CAD009532979
Shipment Date:	20121001
Creation Date:	8/18/2013 22:15:15
Receipt Date:	20121010
Manifest ID:	000119963MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121001
Creation Date:	8/18/2013 22:15:15
Receipt Date:	20121010
Manifest ID:	000119963MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121001
Creation Date:	3/21/2013 22:15:06
Receipt Date:	20121013
Manifest ID:	000119964MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAD980585293

DATATRONICS INC (Continued) **S112999821**

Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120404
Creation Date:	5/28/2013 22:15:05
Receipt Date:	20120417
Manifest ID:	000119248MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120404
Creation Date:	5/28/2013 22:15:05
Receipt Date:	20120417
Manifest ID:	000119248MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

DATATRONICS INC (Continued) **S112999821**

	Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD009532979
Shipment Date:	20111212
Creation Date:	6/4/2013 22:15:22
Receipt Date:	Not reported
Manifest ID:	000100528MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	- Not reported
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111212
Creation Date:	6/4/2013 22:15:22
Receipt Date:	Not reported
Manifest ID:	000100528MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported

DATATRONICS INC (Continued) **S112999821**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111212
Creation Date:	3/12/2012 20:30:14
Receipt Date:	20111213
Manifest ID:	000100527MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111212
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120118
Manifest ID:	000100506MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111212
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120118

DATATRONICS INC (Continued) **S112999821**

Manifest ID:	000100506MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110630
Creation Date:	12/20/2011 18:30:24
Receipt Date:	20110705
Manifest ID:	000100223MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110217
Creation Date:	4/22/2011 18:30:53
Receipt Date:	20110224
Manifest ID:	007734650JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

DATATRONICS INC (Continued) **S112999821**

Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110217
Creation Date:	5/5/2011 18:30:12
Receipt Date:	20110228
Manifest ID:	007734649JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	PSC/RHO-CHEM FACILITY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110217
Creation Date:	5/5/2011 18:30:12
Receipt Date:	20110228
Manifest ID:	007734649JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	PSC/RHO-CHEM FACILITY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P

DATATRONICS INC (Continued) **S112999821**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110111
Creation Date:	3/30/2011 18:30:29
Receipt Date:	20110113
Manifest ID:	000050205MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO-KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD009532979
Shipment Date:	20100817
Creation Date:	2/8/2011 18:30:52
Receipt Date:	20100826
Manifest ID:	000059251MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DATATRONICS INC (Continued) **S112999821**

Additional Code 5:	Not reported
Shipment Date:	20100817
Creation Date:	2/8/2011 18:30:52
Receipt Date:	20100826
Manifest ID:	000059251MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100426
Creation Date:	12/16/2010 18:31:07
Receipt Date:	20100427
Manifest ID:	000058867MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100426
Creation Date:	8/3/2010 18:30:20
Receipt Date:	20100503
Manifest ID:	000058866MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported

DATATRONICS INC (Continued) **S112999821**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100426
Creation Date:	12/16/2010 18:31:07
Receipt Date:	20100427
Manifest ID:	000058867MWI
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD009532979

Shipment Date:	20091211
Creation Date:	2/3/2010 18:30:41
Receipt Date:	20091216
Manifest ID:	006034457JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported

DATATRONICS INC (Continued) **S112999821**

TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091211
Creation Date:	7/20/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	006034458JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091211
Creation Date:	7/20/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	006034458JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001

DATATRONICS INC (Continued) **S112999821**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091211
Creation Date:	2/3/2010 18:30:41
Receipt Date:	20091216
Manifest ID:	006034457JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091211
Creation Date:	2/3/2010 18:30:41
Receipt Date:	20091216
Manifest ID:	006034457JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.68805
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091211
Creation Date:	3/5/2010 18:31:15

DATATRONICS INC (Continued) **S112999821**

Receipt Date:	20091216
Manifest ID:	006034455JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO-KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090622
Creation Date:	1/8/2010 18:30:16
Receipt Date:	20090625
Manifest ID:	006034077JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090622
Creation Date:	7/31/2009 18:30:45
Receipt Date:	20090625
Manifest ID:	006034076JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP

DATATRONICS INC (Continued) **S112999821**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090622
Creation Date:	7/31/2009 18:30:45
Receipt Date:	20090625
Manifest ID:	006034076JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090515
Creation Date:	6/17/2009 18:30:08
Receipt Date:	20090518
Manifest ID:	005405952JJK
Trans EPA ID:	CAR000176826
Trans Name:	HCI ENVIRONMENTAL & ENGINEERING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.68805

DATATRONICS INC (Continued) **S112999821**

Waste Quantity: 165
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: DATATRONICS INC
Address: 28151 HWY 74
City,State,Zip: ROMOLAND, CA 92585
Site ID: 110279
CERS ID: 10317022
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 110279
Site Name: Datatronics Inc
Violation Date: 09-17-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 11/17/2020. OBSERVATION: No annual refresher training records for employees was observed/provided during inspection. Supervisors training records were observed. CORRECTIVE ACTION: Owner/operator shall provide training to all employees. Documentation shall be retained and be made available for inspection for a minimum period of 3 years from the date of the training.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2020

DATATRONICS INC (Continued) **S112999821**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-17-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Paul Y Siu
Entity Title:	Not reported
Affiliation Address:	PO Box 1979
Affiliation City:	Romoland
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92585
Affiliation Phone:	(951) 928-7700,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 1579
Affiliation City:	Romoland
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92585
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Datatronics Romoland, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 928-7700,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,

DATATRONICS INC (Continued) **S112999821**

Affiliation Type Desc: Parent Corporation
Entity Name: Datatronics Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Victor Cervantes
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Cesar Bautista
Entity Title: Not reported
Affiliation Address: PO Box 1579
Affiliation City: Menifee
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92585
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Cesar Bautista
Entity Title: Facilities Supervisor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: DATATRONICS INC
Address: 28151 HWY 74
Address 2: Not reported
City,State,Zip: ROMOLAND, CA 92585
EPA ID: CAD009532979
Inactive Date: Not reported
Create Date: 07/23/1982
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 28151 HWY 74
Mailing Address 2: Not reported
Mailing City,State,Zip: MENIFEE, CA 925850000
Owner Name: PAUL SIU
Owner Address: PO BOX 2538 RD 124
Owner Address 2: Not reported

DATATRONICS INC (Continued) **S112999821**

Owner City,State,Zip: SACRAMENTO, CA 958910000
Contact Name: CESAR BAUTISTA
Contact Address: 28151 HWY 74
Contact Address 2: Not reported
City,State,Zip: MENIFEE, CA 92585
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 33.74278
Longitude: -117.165715

NAICS:
EPA ID: CAD009532979
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 334416
NAICS Description: Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
Issued EPA ID Date: 1982-07-23 00:00:00
Inactive Date: Not reported
Facility Name: DATATRONICS INC
Facility Address: 28151 HWY 74
Facility Address 2: Not reported
Facility City: ROMOLAND
Facility County: Not reported
Facility State: CA
Facility Zip: 925850000

EPA ID: CAD009532979
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 334416
NAICS Description: Electronic Coil, Transformer, and Other Inductor Manufacturing
Issued EPA ID Date: 1982-07-23 00:00:00
Inactive Date: Not reported
Facility Name: DATATRONICS INC
Facility Address: 28151 HWY 74
Facility Address 2: Not reported
Facility City: ROMOLAND
Facility County: Not reported
Facility State: CA
Facility Zip: 925850000

F44 **EASTERN MUNICIPAL WATER DISTRICT** **SWEEPS UST** **1005775212**
NNW **27990 ETHANAC** **EMI** **N/A**
1/8-1/4 **ROMOLAND, CA 92343**
0.143 mi.
754 ft. **Site 1 of 4 in cluster F**

Relative:
Lower

Actual:
1445 ft.

SWEEPS UST:
Name: EMWD ROMOLAND PUMPING PLANT
Address: 27990 ETHANAC
City: ROMOLAND
Status: Active
Comp Number: 30880
Number: 4
Board Of Equalization: 44-018137
Referral Date: 10-29-92
Action Date: 10-29-92

EASTERN MUNICIPAL WATER DISTRICT (Continued) **1005775212**

Created Date: 02-29-88
Owner Tank Id: 000109
SWRCB Tank Id: 33-000-030880-000001
Tank Status: A
Capacity: 110
Active Date: 10-29-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 1

EMI:

Name: EASTERN MUNICIPAL WATER DISTRI
Address: 27990 ETHANAC
City,State,Zip: ROMOLAND, CA 92343
Year: 1993
County Code: 33
Air Basin: SC
Facility ID: 70280
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: EASTERN MUNICIPAL WATER DISTRI
Address: 27990 ETHANAC
City,State,Zip: ROMOLAND, CA 92343
Year: 1995
County Code: 33
Air Basin: SC
Facility ID: 70280
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: EASTERN MUNICIPAL WATER DISTRI
Address: 27990 ETHANAC
City,State,Zip: ROMOLAND, CA 92343
Year: 1996
County Code: 33

EASTERN MUNICIPAL WATER DISTRICT (Continued) **1005775212**

Air Basin:	SC
Facility ID:	70280
Air District Name:	SC
SIC Code:	4941
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EASTERN MUNICIPAL WATER DISTRICT
Address:	27990 ETHANAC
City,State,Zip:	ROMOLAND, CA 92343
Year:	2005
County Code:	33
Air Basin:	SC
Facility ID:	70280
Air District Name:	SC
SIC Code:	4941
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.1459
Reactive Organic Gases Tons/Yr:	.01333526
Carbon Monoxide Emissions Tons/Yr:	.419
NOX - Oxides of Nitrogen Tons/Yr:	.2019
SOX - Oxides of Sulphur Tons/Yr:	.00095
Particulate Matter Tons/Yr:	.01595
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0158543

Name:	EASTERN MUNICIPAL WATER DISTRICT
Address:	27990 ETHANAC
City,State,Zip:	ROMOLAND, CA 92343
Year:	2006
County Code:	33
Air Basin:	SC
Facility ID:	70280
Air District Name:	SC
SIC Code:	4941
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.210065645514223194
Reactive Organic Gases Tons/Yr:	.202
Carbon Monoxide Emissions Tons/Yr:	.552
NOX - Oxides of Nitrogen Tons/Yr:	.287
SOX - Oxides of Sulphur Tons/Yr:	.001
Particulate Matter Tons/Yr:	.018
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.017892

Name:	EASTERN MUNICIPAL WATER DISTRICT
Address:	27990 ETHANAC

EASTERN MUNICIPAL WATER DISTRICT (Continued) **1005775212**

City,State,Zip:	ROMOLAND, CA 92343
Year:	2007
County Code:	33
Air Basin:	SC
Facility ID:	70280
Air District Name:	SC
SIC Code:	4941
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.210065645514223194
Reactive Organic Gases Tons/Yr:	.202
Carbon Monoxide Emissions Tons/Yr:	.552
NOX - Oxides of Nitrogen Tons/Yr:	.287
SOX - Oxides of Sulphur Tons/Yr:	.001
Particulate Matter Tons/Yr:	.018
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.017892

F45 **ROMOLAND PUMPING PLANT** **HIST UST** **U001575004**
NNW **27990 ETHANAC** **N/A**
1/8-1/4 **ROMOLAND, CA 92343**
0.143 mi.
754 ft. **Site 2 of 4 in cluster F**

Relative: **Lower**

Actual: **1445 ft.**

HIST UST:

Name:	ROMOLAND PUMPING PLANT
Address:	27990 ETHANAC
City,State,Zip:	ROMOLAND, CA 92343
File Number:	0001F620
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F620.pdf
Region:	STATE
Facility ID:	00000030880
Facility Type:	Other
Other Type:	WATER PUMPING PLANT
Contact Name:	Not reported
Telephone:	7149257676
Owner Name:	EASTERN MUNICIPAL WATER DIST.
Owner Address:	24550 SAN JACINTO STREET
Owner City,St,Zip:	HEMET, CA 92343
Total Tanks:	0001
Tank Num:	001
Container Num:	1301 W
Year Installed:	1956
Tank Capacity:	00000110
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

F46 **ROMOLAND PUMP PLANT** **RCRA NonGen / NLR** **1024818405**
NNW **27990 ETHANAC RD** **CAL000325512**
1/8-1/4 **ROMOLAND, CA 92585**
0.143 mi.
754 ft. **Site 3 of 4 in cluster F**

Relative: **Lower**

Actual: **1445 ft.**

RCRA Listings:

Date Form Received by Agency:		20071005
Handler Name:	ROMOLAND PUMP PLANT	
Handler Address:		27990 ETHANAC RD
Handler City,State,Zip:		ROMOLAND, CA 92585-9769
EPA ID:		CAL000325512
Contact Name:		DOUG EDWARDS
Contact Address:		2270 TRUMBLE ROAD
Contact City,State,Zip:		PERRIS, CA 92572
Contact Telephone:		951-928-3777
Contact Fax:		951-928-6152
Contact Email:		EDWARDSD@EMWD.ORG
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 8300
Mailing City,State,Zip:		PERRIS, CA 92572-8300
Owner Name:	EASTERN MUNICIPAL WATER DISTRICT	
Owner Type:		Other
Operator Name:	DOUG EDWARDS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

ROMOLAND PUMP PLANT (Continued) **1024818405**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DOUG EDWARDS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2270 TRUMBLE ROAD
Owner/Operator City,State,Zip:	PERRIS, CA 92572
Owner/Operator Telephone:	951-928-3777
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: EASTERN MUNICIPAL WATER DISTRICT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 8300
Owner/Operator City,State,Zip:	PERRIS, CA 92572-8300
Owner/Operator Telephone:	951-928-3777
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ROMOLAND PUMP PLANT (Continued) **1024818405**

Historic Generators:
Receive Date: 20071005
Handler Name: ROMOLAND PUMP PLANT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F47 **CALMAT CO ROMOLAND** **RCRA-SQG** **1001111712**
NW **28023 ETHANAC** **FINDS** **CAR000012500**
1/8-1/4 **SUN CITY, CA 92585** **ECHO**
0.149 mi.
785 ft. **Site 4 of 4 in cluster F**

Relative: **Lower**
Actual: **1444 ft.**

RCRA Listings:
Date Form Received by Agency: 19960521
Handler Name: CALMAT CO ROMOLAND
Handler Address: 28023 ETHANAC
Handler City,State,Zip: SUN CITY, CA 92585
EPA ID: CAR000012500
Contact Name: THOMAS LOWRY
Contact Address: P O BOX 2950
Contact City,State,Zip: LOS ANGELES, CA 90051-2950
Contact Telephone: 213-258-2777
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: P O BOX 2950
Mailing City,State,Zip: LOS ANGELES, CA 90051-2950
Owner Name: CALMAT CO

CALMAT CO ROMOLAND (Continued) **1001111712**

Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20000915
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported
Manifest Broker:		Not reported

CALMAT CO ROMOLAND (Continued) **1001111712**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CALMAT CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 2950 TERMINAL ANNEX
Owner/Operator City,State,Zip: LOS ANGELES, CA 90051
Owner/Operator Telephone: 213-258-2777
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960521
Handler Name: CALMAT CO ROMOLAND
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002912153

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

CALMAT CO ROMOLAND (Continued) **1001111712**

corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001111712
Registry ID:	110002912153
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002912153
Name:	CALMAT CO ROMOLAND
Address:	28023 ETHANAC
City,State,Zip:	SUN CITY, CA 92585

G48 **AHERN RENTALS INC** **RCRA NonGen / NLR** **1024815014**
NE **28261 US HIGHWAY 74** **CAL000311509**
1/8-1/4 **ROMOLAND, CA 92585**
0.156 mi.
823 ft. **Site 1 of 4 in cluster G**

Relative: **Higher**

Actual: **1456 ft.**

RCRA Listings:

Date Form Received by Agency:		20060913
Handler Name:	AHERN RENTALS INC	
Handler Address:		28261 US HIGHWAY 74
Handler City,State,Zip:		ROMOLAND, CA 92585-8986
EPA ID:		CAL000311509
Contact Name:		DAVID W. FAIRCLOTH
Contact Address:		1401 MINERAL AVENUE
Contact City,State,Zip:		LAS VEGAS, NV 89106
Contact Telephone:		702-631-4250
Contact Fax:		702-636-1345
Contact Email:		DAVIDWF@AHERN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1401 MINERAL AVE
Mailing City,State,Zip:		LAS VEGAS, NV 89106-4342
Owner Name:	AHERN RENTALS	
Owner Type:		Other
Operator Name:	DAVID W. FAIRCLOTH	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes

AHERN RENTALS INC (Continued) **1024815014**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AHERN RENTALS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1401 MINERAL AVE
Owner/Operator City,State,Zip:	LAS VEGAS, NV 89106-4342
Owner/Operator Telephone:	702-631-4250
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

AHERN RENTALS INC (Continued) **1024815014**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DAVID W. FAIRCLOTH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1401 MINERAL AVENUE
Owner/Operator City,State,Zip: LAS VEGAS, NV 89106
Owner/Operator Telephone: 702-631-4250
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060913
Handler Name: AHERN RENTALS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 53231
NAICS Description: GENERAL RENTAL CENTERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G49 **AHERN RENTALS, INC.** **CERS HAZ WASTE** **S123514814**
NNE **28261 E. HIGHWAY 74** **CERS TANKS** **N/A**
1/8-1/4 **ROMOLAND, CA 92585** **CERS**
0.160 mi.
846 ft. **Site 2 of 4 in cluster G**

Relative: Higher
Actual: 1456 ft.

CERS HAZ WASTE:
Name: AHERN RENTALS, INC.
Address: 28261 E. HIGHWAY 74
City,State,Zip: ROMOLAND, CA 92585
Site ID: 384331
CERS ID: 10123288
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: AHERN RENTALS, INC.

AHERN RENTALS, INC. (Continued) **S123514814**

Address: 28261 E. HIGHWAY 74
City,State,Zip: ROMOLAND, CA 92585
Site ID: 384331
CERS ID: 10123288
CERS Description: Aboveground Petroleum Storage

CERS:
Name: AHERN RENTALS, INC.
Address: 28261 E. HIGHWAY 74
City,State,Zip: ROMOLAND, CA 92585
Site ID: 384331
CERS ID: 10123288
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 01/28/2021. OBSERVATION: Owner/ operator failed to maintain Safety Data Sheets for each hazardous material stored on site. The onsite binder contains outdated MSDS' that must be replaced with current SDS'. CORRECTIVE ACTION: Owner/operator shall have Safety Data Sheets as defined in Title 8 CCR, readily accessible or maintained on site for each hazardous material stored/handled at the facility.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and tests, including integrity tests, signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and tests, including integrity tests, for at least three years. 3. Keep comparison records.
Violation Notes: Returned to compliance on 01/28/2021.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/06/2020. OBSERVATION: Site map submitted in CERS was missing some of the materials that are present onsite. CORRECTIVE ACTION: Owner/operator shall complete an annotated site map

AHERN RENTALS, INC. (Continued) **S123514814**

which includes all elements outlined in CA Health and Safety Code: north orientation, loading areas, internal roads, adjacent streets, storm and sewer drain, access and exit points, emergency shut offs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. Submit site map into the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov. Ensure that all materials that are stored at the facility are included on the site map.

Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 03-06-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.
Violation Notes: Returned to compliance on 01/28/2021.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 06-02-2015
Citation: 40 CFR 1 265.201(f) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(f)
Violation Description: Failure to remove all hazardous waste from tanks, discharge control equipment, and discharge confinement structures upon closure.
Violation Notes: Returned to compliance on 09/04/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 03-06-2020
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 01/28/2021. OBSERVATION: Owner/ operator failed to maintain Safety Data Sheets for each hazardous material stored on site. The facility's binder requires updating from the obsolete Material Safety Data Sheets to current Safety Data Sheets. CORRECTIVE ACTION: Owner/operator shall have Safety Data Sheets as defined in Title 8 CCR, readily accessible or maintained on site for each hazardous material stored/handled at the facility.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331

AHERN RENTALS, INC. (Continued) **S123514814**

Site Name:	Ahern Rentals, Inc.
Violation Date:	12-10-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas.
Violation Notes:	Returned to compliance on 03/06/2020.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	12-10-2019
Citation:	HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description:	Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes:	Returned to compliance on 03/06/2020.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	12-10-2019
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure to test and maintain as necessary all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment to assure its proper operation in time of emergency.
Violation Notes:	Returned to compliance on 03/06/2020. OBSERVATION: The facility does not have a spill kit specific to battery electrolyte. In the room where the waste oil tanks are located, there was observable staining on the ground from battery electrolyte. Facility personnel advised that absorbent is used for spills of electrolyte but that they do not have anything to neutralize the acid. CORRECTIVE ACTION: Owner/operator shall obtain a spill kit that contains baking soda that can be used to neutralize the sulfuric acid component of battery electrolyte prior to it being cleaned up and placed into a waste container for disposal.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	12-10-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

AHERN RENTALS, INC. (Continued) **S123514814**

Violation Notes:	Returned to compliance on 03/06/2020. OBSERVATION: The facility was not able to provide manifests for a period of three years to be reviewed at the time of inspection. CORRECTIVE ACTION: Owner/operator shall obtain all manifests for hazardous waste shipments which occurred in the past 3 years. Manifests shall be made available for review at the time of inspection.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	06-02-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/20/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	06-02-2015
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes:	Returned to compliance on 09/04/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	06-02-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/20/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	12-10-2019
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical

AHERN RENTALS, INC. (Continued) **S123514814**

characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 03/06/2020. OBSERVATION: Some containers of waste were observed to have labels that are faded, and there were several 5 gallon buckets throughout the facility that are not labeled and it is uncertain if they contain waste oil or usable oil. CORRECTIVE ACTION: Owner/operator shall label hazardous waste containers with all the required information. Label shall include at least: the words ""hazardous waste"", generator name and address, accumulation start date, composition and physical state of waste, and hazardous property statement. Determine the contents of the 5 gallon buckets and label them accordingly.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 06-02-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 08/20/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 06-02-2015
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 08/20/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 03/06/2020. OBSERVATION: There is a black 55 gallon drum of what appears to be waste oil that has a bent lock ring

AHERN RENTALS, INC. (Continued) **S123514814**

and is not able to close properly. Also, there are 5 gallon plastic buckets of waste oil in the service bay area that do not contain lids. Ensure that all drums are secured with lock rings and/or bung caps in place. CORRECTIVE ACTION: Owner/operator shall maintain all hazardous waste containers closed with locking ring or other seal in place when not adding/removing liquid/volatile hazardous waste.

Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 01/28/2021. OBSERVATION: The facility does not have emergency contacts/information posted that contains all of the information that is required under Riverside County Ordinance 651. CORRECTIVE ACTION: Owner/operator shall post emergency contact information in a conspicuous location and shall include but not be limited to all of the following: 911; local appropriate hospital name and phone number; primary facility emergency contact person s name and phone number; Riverside County Environmental Health Hazardous Materials Program name and phone number; California Office of Emergency Services name and phone number; National Response Center name and phone number; Poison Control Center name and phone number; and if applicable the name and phone number of a licensed hazardous materials cleanup contractor and location of fire extinguishers, spill control materials, and fire alarm.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 06-02-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/20/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.
Violation Notes: Returned to compliance on 01/28/2021.
Violation Division: Riverside County Department of Env Health

AHERN RENTALS, INC. (Continued) **S123514814**

Violation Program: APSA
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 03/06/2020. OBSERVATION: The facility is not being maintained to minimize the possibility of a release. There is liquid in the secondary containment of the aboveground diesel tank, and the secondary containment of that tank was also observed to have a breach from which the liquid was leaking onto the ground. There are multiple 5 gallon buckets that are stored open in the service bay area, and the secondary containment pallet that is beneath the tanks of waste oil contained liquid that must be removed. There is also liquid in the secondary containment beneath the drums that are stored outside. CORRECTIVE ACTION: Owner/operator shall remove liquid from the secondary containment underneath the waste oil tanks and from the diesel tank, and shall repair the breach in the secondary containment for the diesel tank. Ensure that all secondary containment is maintained clean and dry. All containers of waste must be stored closed except when adding or removing waste from them. All wastes [Truncated]
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: Un-Specified
Violation Description: Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes: Returned to compliance on 03/06/2020. OBSERVATION: Required NFPA-704 signs were not posted on the aboveground tank of oil in the service bay area. CORRECTIVE ACTION: Owner/operator shall research chemical safety data sheets and post proper NFPA-704 signs on the aboveground oil tank. Obtain the ratings for the sign from the Safety Data Sheet for the materials that are stored in the tank.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 12-10-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training

AHERN RENTALS, INC. (Continued) **S123514814**

records for a minimum of three years.

Violation Notes: Returned to compliance on 01/28/2021. OBSERVATION: No training records observed/provided during inspection. CORRECTIVE ACTION: Owner/operator shall provide training to all employees. Documentation shall be retained and be made available for inspection for a minimum period of 3 years from the date of the training.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 03-06-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 01/28/2021. OBSERVATION: The training records that were observed onsite during the inspection were pertaining to hazardous waste and procedures for cleaning up spills but were lacking in requirements for hazardous materials training. CORRECTIVE ACTION: Owner/operator shall provide training to all employees. Documentation shall be retained and be made available for inspection for a minimum period of 3 years from the date of the training. Training must cover all points listed on the handout provided both at the routine inspection and at today's re-inspection.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384331
Site Name: Ahern Rentals, Inc.
Violation Date: 03-06-2020
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 01/28/2021. OBSERVATION: The facility's current posting of emergency contacts does not meet all of the requirements under Riverside County's local ordinance. CORRECTIVE ACTION: Owner/operator shall post emergency contact information in a conspicuous location and shall include but not be limited to all of the following: 911; local appropriate hospital name and phone number; primary facility emergency contact person s name and phone number; Riverside County Environmental Health Hazardous Materials Program name and phone number; California Office of Emergency Services name and phone number; National Response Center name and phone number; Poison Control Center name and phone number; and if applicable the name and phone number of a licensed hazardous materials cleanup contractor and location of fire extinguishers, spill control materials, and fire alarm. *Complete and post the template provided today, or an equivalent.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

AHERN RENTALS, INC. (Continued) **S123514814**

Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	03-06-2020
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with one or more of the following requirements: 1. Have record of inspections and tests, including integrity tests, signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and tests, including integrity tests, for at least three years. 3. Keep comparison records.
Violation Notes:	Returned to compliance on 01/28/2021.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Violation Date:	12-10-2019
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	Returned to compliance on 03/06/2020. OBSERVATION: Facility personnel were unable to access/locate a current copy of the business plan during the inspection. The copy of the HMBP that is accessible to employees is from 2015 and requires replacement with the most current copy. CORRECTIVE ACTION: Owner/operator shall ensure a current copy of the hazardous materials business plan is readily available at all times when the facility is staffed. Ensure that your chemical inventory accurately reflects the quantities of all onsite materials.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	09-04-2015
Violations Found:	No

AHERN RENTALS, INC. (Continued) **S123514814**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	RTC- Violations corrected
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	01-28-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-06-2020
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection following routine inspection on 12/10/2019.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	08-20-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	RTC- Violations cleared.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-10-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-06-2020
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-10-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Complete report
Eval Division:	Riverside County Department of Env Health

AHERN RENTALS, INC. (Continued) **S123514814**

Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	01-28-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection following re-inspection on 03/06/2020 and routine inspection on 12/10/2019.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-06-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection following routine inspection on 12/10/2019. All violations were observed to be corrected at the time of re-inspection.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-10-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility is an equipment rental business that performs maintenance on the equipment. Hazardous wastes generated onsite include waste oil, antifreeze, spent absorbent and absorbent pads, and oil filters. Waste manifests were not available for review during the inspection; therefore, all items related to manifests, accumulation time, licensed waste hauler, and disposal facility are marked as "N/A" on this report because they could not be verified at the time of inspection.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-10-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility rents equipment to the public and performs service on the equipment. Hazardous materials on-site include diesel fuel, welding gases, lead-acid batteries, propane, various oils, and antifreeze.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

AHERN RENTALS, INC. (Continued) **S123514814**

Enforcement Action:

Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Site Address:	28261 E. HIGHWAY 74
Site City:	ROMOLAND
Site Zip:	92585
Enf Action Date:	06-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Riverside County Department of Env Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	384331
Site Name:	Ahern Rentals, Inc.
Site Address:	28261 E. HIGHWAY 74
Site City:	ROMOLAND
Site Zip:	92585
Enf Action Date:	06-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Riverside County Department of Env Health
Enf Action Program:	HW
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Travis J Bender
Entity Title:	Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Ahern Rentals, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 903-9180,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Travis Bender
Entity Title:	Not reported
Affiliation Address:	8350 Eastgate Rd
Affiliation City:	Henderson
Affiliation State:	NV
Affiliation Country:	Not reported
Affiliation Zip:	89015

AHERN RENTALS, INC. (Continued) **S123514814**

Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8350 Eastgate Road
Affiliation City:	Henderson
Affiliation State:	NV
Affiliation Country:	Not reported
Affiliation Zip:	89015-0104
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Ahern Rentals Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Ahern Rentals, Inc.
Entity Title:	Not reported
Affiliation Address:	8350 Eastgate Road
Affiliation City:	Henderson
Affiliation State:	NV
Affiliation Country:	United States
Affiliation Zip:	89015-0104
Affiliation Phone:	(702) 631-4250,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Ahern Rentals, Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	DFA, LLC
Entity Title:	Not reported
Affiliation Address:	8350 Eastgate Road
Affiliation City:	Henderson
Affiliation State:	NV
Affiliation Country:	United States
Affiliation Zip:	89015-0104
Affiliation Phone:	(702) 631-4250,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside

AHERN RENTALS, INC. (Continued) **S123514814**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,

G50 **AHERN RENTALS, INC.** **AST** **A100416957**
NNE **28261 E. HIGHWAY 74** **N/A**
1/8-1/4 **ROMOLAND, CA 92585**
0.160 mi.
846 ft. **Site 3 of 4 in cluster G**

Relative: AST:
Higher

Actual:
1456 ft.

Name:	AHERN RENTALS, INC.
Address:	28261 E. HIGHWAY 74
City/Zip:	ROMOLAND,92585
Certified Unified Program Agencies:	Not reported
Owner:	Ahern Rentals, Inc.
Total Gallons:	Not reported
CERSID:	10123288
Facility ID:	FA0016119
Business Name:	Ahern Rentals, Inc
Phone:	951-938-8242
Fax:	619-938-0215
Mailing Address:	1401 Mineral Avenue
Mailing Address City:	Las Vegas
Mailing Address State:	NV
Mailing Address Zip Code:	Not reported
Operator Name:	Ahern Rentals, Inc.
Operator Phone:	702-631-4250
Owner Phone:	702-631-4250
Owner Mail Address:	1401 Mineral Avenue
Owner State:	NV
Owner Zip Code:	89106
Owner Country:	United States
Property Owner Name:	DFA, llc
Property Owner Phone:	Not reported
Property Owner Mailing Address:	1401 Mineral Avenue
Property Owner City:	Las Vegas
Property Owner Stat :	NV
Property Owner Zip Code:	89106
Property Owner Country:	United States
EPAID:	CAL000311509

G51 **AMERIMAX** **RCRA-SQG** **1004675945**
NE **28921 E HWY 74** **FINDS** **CAR000079079**
1/8-1/4 **ROMOLAND, CA 92585** **ECHO**
0.175 mi. **EMI**
924 ft. **Site 4 of 4 in cluster G** **WDS**

Relative: RCRA Listings:
Higher

Actual:
1457 ft.

Date Form Received by Agency:		20000727
Handler Name:	AMERIMAX	
Handler Address:		28921 E HWY 74
Handler City,State,Zip:		ROMOLAND, CA 92585
EPA ID:		CAR000079079

AMERIMAX (Continued) **1004675945**

Contact Name:		BYRON SHOEMAKER
Contact Address:		28921 E HWY 74
Contact City,State,Zip:		ROMOLAND, CA 92585
Contact Telephone:		909-928-1000
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		28921 E HWY 74
Mailing City,State,Zip:		ROMOLAND, CA 92585
Owner Name:	AMERIMAX	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No

AMERIMAX (Continued) **1004675945**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AMERIMAX	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	28921 E HWY 74
Owner/Operator City,State,Zip:	ROMOLAND, CA 92585
Owner/Operator Telephone:	909-928-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20000727
Handler Name: AMERIMAX	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

AMERIMAX (Continued) **1004675945**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110005996887

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110070297055

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
OSHA ESTABLISHMENT

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004675945
Registry ID:	110005996887
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005996887
Name:	AMERIMAX
Address:	28921 E HWY 74
City,State,Zip:	ROMOLAND, CA 92585

EMI:

Name:	ALUMAX BUILDING PRODUCTS DIV
Address:	28921 E HWY 74
City,State,Zip:	ROMOLAND, CA 925850000
Year:	1990
County Code:	33
Air Basin:	SC
Facility ID:	31071
Air District Name:	SC
SIC Code:	0
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

AMERIMAX (Continued) **1004675945**

WDS:

Name:	AMERIMAX-ROMOLAND
Address:	28291 E HIGHWAY 74
City:	ROMOLAND
Facility ID:	Santa Ana River 33I015862
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	9099281000
Facility Contact:	RUSS DREW
Agency Name:	AMERIMAX BLDG PROD INC-ROMOLAN
Agency Address:	28921 E HWY 74
Agency City,St,Zip:	ROMOLAND 92585
Agency Contact:	FRANK RUIZ
Agency Telephone:	9099281000
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

H52 **SAHARA SCAFFOLD INC** **RCRA NonGen / NLR** **1024863850**
NNW **26245 ANTELOPE RD** **CAL000432400**
1/8-1/4 **ROMOLAND, CA 92585**
0.183 mi.
965 ft. **Site 1 of 5 in cluster H**

Relative: **Higher**

Actual: **1448 ft.**

RCRA Listings:

Date Form Received by Agency:		20171204
Handler Name:	SAHARA SCAFFOLD INC	
Handler Address:		26245 ANTELOPE RD
Handler City,State,Zip:		ROMOLAND, CA 92585
EPA ID:		CAL000432400
Contact Name:		JEFF SMICA
Contact Address:		24885 WHITEWOOD RD #106
Contact City,State,Zip:		MURRIETA, CA 92563
Contact Telephone:		909-376-1906
Contact Fax:		951-462-0075
Contact Email:		KRIS@SAHARASCAFFOLD.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		24885 WHITEWOOD RD #106
Mailing City,State,Zip:		MURRIETA, CA 92563
Owner Name:	JEFF SMITH	
Owner Type:		Other
Operator Name:	JEFF SMICA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

SAHARA SCAFFOLD INC (Continued) **1024863850**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JEFF SMICA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24885 WHITEWOOD RD #106
Owner/Operator City,State,Zip:	MURRIETA, CA 92563
Owner/Operator Telephone:	909-376-1906
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JEFF SMITH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24885 WHITEWOOD RD #106
Owner/Operator City,State,Zip:	MURRIETA, CA 92563
Owner/Operator Telephone:	909-376-1906
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SAHARA SCAFFOLD INC (Continued) **1024863850**

Historic Generators:
Receive Date: 20171204
Handler Name: SAHARA SCAFFOLD INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H53 **AMERICAN CONTRACTING, INC** **RCRA NonGen / NLR** **1024827290**
NNW **26245 ANTELOPE RD** **CAL000356518**
1/8-1/4 **SUN CITY, CA 92585**
0.183 mi.
965 ft. **Site 2 of 5 in cluster H**

Relative: **Higher**

Actual: **1448 ft.**

RCRA Listings:
Date Form Received by Agency: 20100907
Handler Name: AMERICAN CONTRACTING, INC
Handler Address: 26245 ANTELOPE RD
Handler City,State,Zip: SUN CITY, CA 92585
EPA ID: CAL000356518
Contact Name: KEITH H. CANDEE PRESIDENT
Contact Address: PO BOX 890700
Contact City,State,Zip: TEMECULA, CA 92589
Contact Telephone: 951-830-2650
Contact Fax: 951-308-4563
Contact Email: HEARTRIVERRANCH@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 32206 CORTE CERRO C/O PO BOX 890700
Mailing City,State,Zip: TEMECULA, CA 92589-0700
Owner Name: AMERICAN CONTRACTING INC

AMERICAN CONTRACTING, INC (Continued) **1024827290**

Owner Type:	Other
Operator Name:	KEITH H. CANDEE PRESIDENT
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

AMERICAN CONTRACTING, INC (Continued) **1024827290**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: AMERICAN CONTRACTING INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 890700
Owner/Operator City,State,Zip: TEMECULA, CA 92589
Owner/Operator Telephone: 951-830-2650
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: KEITH H. CANDEE PRESIDENT
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 890700
Owner/Operator City,State,Zip: TEMECULA, CA 92589
Owner/Operator Telephone: 951-830-2650
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100907
Handler Name: AMERICAN CONTRACTING, INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23593
NAICS Description: EXCAVATION CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H54 **HOLLIDAY ROCK** **RCRA NonGen / NLR** **1026719802**
NNW **26100 ANTELOPE RD.** **CAC003108460**
1/8-1/4 **MENIFEE, CA 92585**
0.183 mi.
966 ft. **Site 3 of 5 in cluster H**

Relative: **Higher**

Actual: **1448 ft.**

RCRA Listings:

Date Form Received by Agency:		20210304
Handler Name:	HOLLIDAY ROCK	
Handler Address:		26100 ANTELOPE RD.
Handler City,State,Zip:		MENIFEE, CA 92585
EPA ID:		CAC003108460
Contact Name:		GEORGE SMITH
Contact Address:		1401 N. BENSON AVE
Contact City,State,Zip:		UPLAND, CA 91786
Contact Telephone:		909-652-9899
Contact Fax:		Not reported
Contact Email:		GSMITH@HOLLIDAYROCK.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1401 N. BENSON AVE
Mailing City,State,Zip:		UPLAND, CA 91786
Owner Name:	JOHN HOLLIDAY	
Owner Type:		Other
Operator Name:	GEORGE SMITH	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

HOLLIDAY ROCK (Continued) **1026719802**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210312
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GEORGE SMITH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1401 N. BENSON AVE
Owner/Operator City,State,Zip:	UPLAND, CA 91786
Owner/Operator Telephone:	909-652-9899
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JOHN HOLLIDAY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26100 ANTELOPE RD.
Owner/Operator City,State,Zip:	MENIFEE, CA 92585
Owner/Operator Telephone:	909-982-1553
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HOLLIDAY ROCK (Continued) **1026719802**

Historic Generators:
Receive Date: 20210304
Handler Name: HOLLIDAY ROCK
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 32732
NAICS Description: READY-MIX CONCRETE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H55 **HOLLIDAY TRUCKING - ROMOLAND** **AST** **A100420826**
NNW **26100 ANTELOPE RD #2** **N/A**
1/8-1/4 **ROMOLAND, CA 92585**
0.183 mi.
966 ft. **Site 4 of 5 in cluster H**

Relative: **Higher**

Actual: **1448 ft.**

AST:
Name: HOLLIDAY TRUCKING - ROMOLAND
Address: 26100 ANTELOPE RD #2
City/Zip: ROMOLAND,92585
Certified Unified Program Agencies: Not reported
Owner: Holliday Rock Co., Inc.
Total Gallons: Not reported
CERSID: 10325176
Facility ID: Not reported
Business Name: Holliday Rock Co., Inc.
Phone: 909-982-1553
Fax: 909-949-6315
Mailing Address: 1401 N Benson Ave
Mailing Address City: Upland
Mailing Address State: CA
Mailing Address Zip Code: 91786
Operator Name: Holliday Rock Co., Inc.
Operator Phone: 909-982-1553
Owner Phone: 909-982-1553
Owner Mail Address: 1401 N. Benson Ave.
Owner State: CA
Owner Zip Code: 91786
Owner Country: United States
Property Owner Name: Holliday Rock Co., Inc.
Property Owner Phone: 909-982-1553

HOLLIDAY TRUCKING - ROMOLAND (Continued) **A100420826**

Property Owner Mailing Address:	1401 N. Benson Ave
Property Owner City:	Upland
Property Owner Stat :	CA
Property Owner Zip Code:	91786
Property Owner Country:	United States
EPAID:	Not reported

H56 **HIGH SCHOOL NO. 3** **ENVIROSTOR** **S105840774**
NNW **BRIGGS ROAD/PINACATE ROAD** **SCH** **N/A**
1/8-1/4 **ROMOLAND, CA 92585**
0.235 mi.
1241 ft. **Site 5 of 5 in cluster H**

Relative: **Higher**

Actual: **1448 ft.**

ENVIROSTOR:

Name:	HIGH SCHOOL NO. 3
Address:	BRIGGS ROAD/PINACATE ROAD
City,State,Zip:	ROMOLAND, CA 92585
Facility ID:	33010072
Status:	No Further Action
Status Date:	03/19/2003
Site Code:	404438
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	60
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	67
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.74451
Longitude:	-117.1718
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Aldrin Chlordane DDD DDE DDT Dieldrin Endosulfan Endrin HCH (alpha HCH (beta HCH (gamma) Lindane HCH-technical Heptachlor Heptachlor epoxide Mirex Toxaphene TPH-diesel TPH-gas PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016 Polybrominated biphenyls Polychlorinated biphenyls (PCBs Polychlorinated biphenyls (PCBs, see IRIS Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	30004-NO 30006-NO 30007-NO 30008-NO 30010-NO 30019-NO 30024-NO 30025-NO 30468-NO 30470-NO 30309-NO 30313-NO 30314-NO 30315-NO 30316-NO 30207-NO 30467-NO 30469-NO 30400-NO 30261-NO 30043-NO 30308-NO 30018-NO 30023-NO
Potential Description:	SOIL
Alias Name:	AGRI-EMPIRE
Alias Type:	Alternate Name
Alias Name:	HIGH SCHOOL NO. 3
Alias Type:	Alternate Name
Alias Name:	PERRIS UNION HIGH SCHOOL DISTRICT
Alias Type:	Alternate Name

HIGH SCHOOL NO. 3 (Continued) **S105840774**

Alias Name: PERRIS UNION HSD-PROPOSED HIGH SCHOOL #3
Alias Type: Alternate Name
Alias Name: 404438
Alias Type: Project Code (Site Code)
Alias Name: 33010072
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/02/2003
Comments: Phase 1 Draft

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/19/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/12/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: HIGH SCHOOL NO. 3
Address: BRIGGS ROAD/PINACATE ROAD
City,State,Zip: ROMOLAND, CA 92585
Facility ID: 33010072
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED

HIGH SCHOOL NO. 3 (Continued) **S105840774**

Acres:	60
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404438
Assembly:	67
Senate:	23
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	03/19/2003
Restricted Use:	NO
Funding:	School District
Latitude:	33.74451
Longitude:	-117.1718
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Aldrin, Chlordane, DDD, DDE, DDT, Dieldrin, Endosulfan, Endrin, HCH (alpha, HCH (beta, HCH (gamma) Lindane, HCH-technical, Heptachlor, Heptachlor epoxide, Mirex, Toxaphene, TPH-diesel, TPH-gas, PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254, PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016, Polybrominated biphenyls, Polychlorinated biphenyls (PCBs, Polychlorinated biphenyls (PCBs, see IRIS, Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	30004-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO, 30019-NO, 30024-NO, 30025-NO, 30468-NO, 30470-NO, 30309-NO, 30313-NO, 30314-NO, 30315-NO, 30316-NO, 30207-NO, 30467-NO, 30469-NO, 30400-NO, 30261-NO, 30043-NO, 30308-NO, 30018-NO, 30023-NO
Potential Description:	SOIL
Alias Name:	AGRI-EMPIRE
Alias Type:	Alternate Name
Alias Name:	HIGH SCHOOL NO. 3
Alias Type:	Alternate Name
Alias Name:	PERRIS UNION HIGH SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	PERRIS UNION HSD-PROPOSED HIGH SCHOOL #3
Alias Type:	Alternate Name
Alias Name:	404438
Alias Type:	Project Code (Site Code)
Alias Name:	33010072
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	03/02/2003
Comments:	Phase 1 Draft
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/15/2004
Comments:	Not reported

HIGH SCHOOL NO. 3 (Continued) **S105840774**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/19/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/12/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

I57 **AMERICAN MEDICAL RESPONSE** **CERS HAZ WASTE** **S127125099**
ENE **26035 PALOMAR RD** **CERS** **N/A**
1/8-1/4 **MENIFEE, CA 92585** **HWTS**
0.248 mi.
1312 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
1461 ft.

CERS HAZ WASTE:
Name: AMERICAN MEDICAL RESPONSE
Address: 26035 PALOMAR RD
City,State,Zip: MENIFEE, CA 92585
Site ID: 575512
CERS ID: 10872499
CERS Description: Hazardous Waste Generator

CERS:
Name: AMERICAN MEDICAL RESPONSE
Address: 26035 PALOMAR RD
City,State,Zip: MENIFEE, CA 92585
Site ID: 575512
CERS ID: 10872499
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 575512
Site Name: American Medical Response
Violation Date: 12-09-2021
Citation: Un-Specified
Violation Description: Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes: OBSERVATION: The facility is missing NFPA 704 signs on the front

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

entrance and on the gate leading to the facility. There is also a sign on the building that contains incorrect ratings that should be removed. CORRECTIVE ACTION: Owner/operator shall research chemical safety data sheets and post proper NFPA-704 signs. Signs shall be posted on the front door to the building and on the gate leading to the area where ambulances are parked.

Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 12-09-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: OBSERVATION: Site map submitted in CERS was missing evacuation staging area and routes, location of hazardous materials, and emergency shut-offs for onsite utilities. CORRECTIVE ACTION: Owner/operator shall complete an annotated site map which includes all elements outlined in CA Health and Safety Code: north orientation, loading areas, internal roads, adjacent streets, storm and sewer drain, access and exit points, emergency shut offs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. Submit site map into the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov. *Add the missing items to the site map and resubmit in CERS.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 12-09-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 03/08/2022. OBSERVATION: The most recent business plan submission in the statewide information management system (CERS) was not an accurate reflection of the materials that are stored onsite. The chemical inventory requires the following revisions: - Motor oil: the quantity was reported as 75 gallons, but there is a 240 gallon tank and multiple quart size containers onsite. - Transmission fluid is missing from the inventory - Antifreeze/coolant is not in the chemical inventory - Waste antifreeze is not in the chemical inventory CORRECTIVE ACTION: Owner/operator shall complete a chemical inventory page for all reportable hazardous materials on site and submit to the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

Site Name:	American Medical Response
Violation Date:	02-23-2022
Citation:	40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description:	Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes:	OBSERVATION: The facility does not have a Contingency Plan that contains emergency response procedures for releases of hazardous waste posted near a phone. CORRECTIVE ACTION: Owner/operator shall post required emergency response procedures near the phone. Complete and post the template provided during today's inspection, or one that contains equivalent information.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	02-23-2022
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	OBSERVATION: The hazardous materials business plan (HMBP) that was submitted in CERS contained errors and was not accepted as submitted. Because there is currently no accepted HMBP, the facility also does not have an available copy for facility employees. CORRECTIVE ACTION: Owner/operator shall ensure a current copy of the hazardous materials business plan is readily available on site at all times when the facility is staffed.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	12-09-2021
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	OBSERVATION: Facility personnel were unable to access/locate a current copy of the business plan during the inspection. CORRECTIVE ACTION: Owner/operator shall ensure a current copy of the hazardous materials business plan is readily available on site at all times when the facility is staffed.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

Violation Date:	12-09-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 02/23/2022. OBSERVATION: The facility has two drums of waste filters, one containing paper filters and one containing metal filters. Both drums are missing hazardous waste labels. CORRECTIVE ACTION: Owner/operator shall label hazardous waste containers with all the required information. Label shall include at least: the words ""hazardous waste"", generator name and address, accumulation start date, composition and physical state of waste, and hazardous property statement. Submit photos to this department, if applicable.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	12-09-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	OBSERVATION: The emergency response procedures submitted into CERS required revisions, and those revisions have not yet been made. CORRECTIVE ACTION: Owner/operator shall update the emergency response plans and procedures. The following must be included: immediate notification contacts to the appropriate local emergency response personnel and to the unified program agency, procedures for the mitigation of a release or threatened release to minimize any potential harm or damage to persons, property, or the environment, and evacuation plans and procedures that includes immediate notice for the business site. *Revise the emergency response plan as directed in the comments in CERS and resubmit.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	12-09-2021
Citation:	40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description:	Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes:	OBSERVATION: The facility did not have a Contingency Plan with emergency response procedures and contacts posted near the phone. CORRECTIVE ACTION: Owner/operator shall post required emergency

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

response procedures near the phone.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 12-09-2021
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: OBSERVATION: The hazardous materials disclosure permit is not displayed in a conspicuous location in accordance with the local ordinance. No permit was posted. CORRECTIVE ACTION: Owner/operator shall post permit in a conspicuous location. Submit photos to this department.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 12-09-2021
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: OBSERVATION: The facility does not have an emergency contact posing that meets all the requirements of Riverside County Ordinance 651. CORRECTIVE ACTION: Owner/operator shall post emergency contact information in a conspicuous location and shall include but not be limited to all of the following: 911; local appropriate hospital name and phone number; primary facility emergency contact person s name and phone number; Riverside County Environmental Health Hazardous Materials Program name and phone number; California Office of Emergency Services name and phone number; National Response Center name and phone number; Poison Control Center name and phone number; and if applicable the name and phone number of a licensed hazardous materials cleanup contractor and location of fire extinguishers, spill control materials, and fire alarm.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 02-23-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 03/08/2022. OBSERVATION: The chemical inventory section of the CERS submittal was not accepted, due to required revisions. CORRECTIVE ACTION: Owner/operator shall update the chemical inventory page for [[[chemical name]]] and submit to the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov. Please refer to a current Safety Data Sheet

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

	(SDS) for guidance. Make all corrections as directed in the comments in CERS.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	02-23-2022
Citation:	Un-Specified
Violation Description:	Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes:	OBSERVATION: The facility does not have a posting with emergency contacts and procedures that contains all information that is required under Riverside County Ordinance 651. CORRECTIVE ACTION: Owner/operator shall post emergency contact information in a conspicuous location and shall include but not be limited to all of the following: 911; local appropriate hospital name and phone number; primary facility emergency contact person s name and phone number; Riverside County Environmental Health Hazardous Materials Program name and phone number; California Office of Emergency Services name and phone number; National Response Center name and phone number; Poison Control Center name and phone number; and if applicable the name and phone number of a licensed hazardous materials cleanup contractor and location of fire extinguishers, spill control materials, and fire alarm. Complete and post the template provided today, or one that contains equivalent information.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	02-23-2022
Citation:	Un-Specified
Violation Description:	Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes:	OBSERVATION: The hazardous materials disclosure permit is not displayed in a conspicuous location in accordance with the local ordinance. No permit was posted. CORRECTIVE ACTION: Owner/operator shall post permit in a conspicuous location. Submit photos to this department.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	12-09-2021
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 02/23/2022. OBSERVATION: The facility is not

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

being maintained to minimize the possibility of a release. Two aerosol cans were observed to be in the facility's trash, and facility personnel did not have a program in place for managing this waste stream. CORRECTIVE ACTION: Owner/operator shall manage aerosol cans according to Title 22 hazardous waste regulations. Obtain a drum for accumulation of aerosol cans, and have them removed from the site by a licensed waste hauler.

Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 02-23-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: OBSERVATION: The Emergency Response Plan submitted into CERS was not accepted as submitted, and required corrections have not yet been made. CORRECTIVE ACTION: Owner/operator shall update the emergency response plans and procedures. The following must be included: immediate notification contacts to the appropriate local emergency response personnel and to the unified program agency, procedures for the mitigation of a release or threatened release to minimize any potential harm or damage to persons, property, or the environment, and evacuation plans and procedures that includes immediate notice for the business site
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 02-23-2022
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: OBSERVATION: The business plan submitted in the statewide information management system (e.g. CERS) has not been implemented. Onsite personnel were not familiar with the hazardous materials business plan (HMBP) and did not know if they had a copy available onsite or where it might be located. CORRECTIVE ACTION: Owner/operator shall establish a hazardous materials business plan and submit a new copy in the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 03-17-2022
Citation: Un-Specified

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	OBSERVATION: Required NFPA-704 signs were not posted on the facility's front door and on the gate leading to the area where ambulances are parked. CORRECTIVE ACTION: Owner/operator shall research chemical safety data sheets and post proper NFPA-704 signs. Signs shall be posted as indicated above. Submit photos of the posted signs to kgill@rivco.org
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	12-09-2021
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	OBSERVATION: The business plan submitted in the statewide information management system (e.g. CERS) has not been implemented. Onsite personnel were not familiar with the hazardous materials business plan (HMBP) and did not know if they had a copy available onsite or where it might be located. CORRECTIVE ACTION: Owner/operator shall implement the submitted hazardous materials business plan. Ensure employees are aware of the location of the HMBP, are trained on its contents, and are prepared to implement the plan when necessary.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	02-23-2022
Citation:	Un-Specified
Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	OBSERVATION: The facility is missing NFPA 704 signs on the front entrance and on the gate leading to the facility. There is also a sign on the building that contains incorrect ratings that should be removed. CORRECTIVE ACTION: Owner/operator shall research chemical safety data sheets and post proper NFPA-704 signs. Signs shall be posted on the front door to the building and on the gate leading to the area where ambulances are parked.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575512
Site Name:	American Medical Response
Violation Date:	02-23-2022
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

records for a minimum of three years.
Violation Notes: Returned to compliance on 03/03/2022. OBSERVATION: Documentation of employee training on hazardous materials requirements was not available for review at the time of inspection. Training is done in an online format, and records of the training are not easily accessible for that reason. CORRECTIVE ACTION: Owner/operator shall provide training to all employees. Documentation shall be retained and be made available for inspection for a minimum period of 3 years from the date of the training.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 12-09-2021
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/03/2022. OBSERVATION: Employee training is completed online and records were not available for review during the inspection. CORRECTIVE ACTION: Owner/operator shall provide training to all employees. Documentation shall be retained and be made available for inspection for a minimum period of 3 years from the date of the training.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575512
Site Name: American Medical Response
Violation Date: 02-23-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: OBSERVATION: The site map submitted into CERS was lacking required elements and was not accepted as submitted. Required revisions have not yet been made. CORRECTIVE ACTION: Owner/operator shall complete an annotated site map which includes all elements outlined in CA Health and Safety Code: north orientation, loading areas, internal roads, adjacent streets, storm and sewer drain, access and exit points, emergency shut offs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. Submit site map into the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov. Review the comments left in CERS and correct all items as directed in those comments.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-23-2022

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection following routine inspection on 12/09/2021. All violations were observed to be un-corrected at the time of the re-inspection.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility is an AMR location with a maintenance shop. Hazardous waste generated onsite consists of waste oil, waste oil filters, aerosol cans, waste coolant, parts wash solvent, and the site also has a clarifier. NOTE: This facility's EPA ID number (CAL 000 459 760) is inactive. Contact the Department of Toxic Substances Control (DTSC) and reactivate your number.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-17-2022
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection following re-inspection on 02/23/2022 and routine inspection on 12/09/2021.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-17-2022
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection following re-inspection on 02/23/2022 and routine inspection on 12/09/2021.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-23-2022
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection following routine inspection on 12/09/2021.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility is an AMR location which stores oil, coolant, lead-acid

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

batteries, oxygen, and transmission fluid onsite.
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Steve Myers
Entity Title: Regional Safety And Risk Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: American Medical Response
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (951) 782-5200,

Affiliation Type Desc: Environmental Contact
Entity Name: Brian Stites
Entity Title: Not reported
Affiliation Address: 879 Malborough ave
Affiliation City: Riverside
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92507
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Entity Title: Not reported
Affiliation Address: 4065 County Circle Drive, Room 104
Affiliation City: Riverside
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92503
Affiliation Phone: (951) 358-5055,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 879 Malborough Ave
Affiliation City: Riverside
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92507
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

Entity Name:	American Medical Response
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Laura Nelson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	United States
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 985-8221,
Affiliation Type Desc:	Document Preparer
Entity Name:	Steve Myers
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	GLOBAL MEDICAL RESPONSE
Entity Title:	Not reported
Affiliation Address:	6363 Fiddlers Green Circle
Affiliation City:	Greenwood village
Affiliation State:	CO
Affiliation Country:	United States
Affiliation Zip:	80111
Affiliation Phone:	(877) 244-4890,

HWTS:

Name:	AMERICAN MEDICAL RESPONSE
Address:	26035 PALOMAR RD
Address 2:	Not reported
City,State,Zip:	MENIFEE, CA 92585
EPA ID:	CAL000459760
Inactive Date:	Not reported
Create Date:	01/29/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	26035 PALOMAR RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MENIFEE, CA 92585
Owner Name:	GLOBAL MEDICAL RESPONSE
Owner Address:	6363 S FIDDLERS GREEN CIRCLE
Owner Address 2:	Not reported
Owner City,State,Zip:	GREENWOOD VILLAGE, CO 80111

AMERICAN MEDICAL RESPONSE (Continued) **S127125099**

Contact Name:	BRIAN STITES
Contact Address:	26035 PALOMAR RD
Contact Address 2:	Not reported
City,State,Zip:	MENIFEE, CA 92585
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.74142101
Longitude:	-117.163686

NAICS:

EPA ID:	CAL000459760
Create Date:	2021-01-29 12:17:43.273
NAICS Code:	621910
NAICS Description:	Ambulance Services
Issued EPA ID Date:	2021-01-29 12:17:43.26700
Inactive Date:	Not reported
Facility Name:	AMERICAN MEDICAL RESPONSE
Facility Address:	26035 PALOMAR RD
Facility Address 2:	Not reported
Facility City:	MENIFEE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92585

I58 **CASS CONSTRUCTION INC** **RCRA NonGen / NLR** **1024848992**
ENE **26035 PALOMAR RD** **CAL000405087**
1/8-1/4 **MENIFEE, CA 92585**
0.248 mi.
1312 ft. **Site 2 of 4 in cluster I**

Relative:
Higher

Actual:
1461 ft.

RCRA Listings:

Date Form Received by Agency:		20150311
Handler Name:	CASS CONSTRUCTION INC	
Handler Address:		26035 PALOMAR RD
Handler City,State,Zip:		MENIFEE, CA 92585
EPA ID:		CAL000405087
Contact Name:		JAI COX
Contact Address:		1100 WAGNER DR
Contact City,State,Zip:		EL CAJON, CA 92020
Contact Telephone:		619-590-0929
Contact Fax:		619-593-4170
Contact Email:		JCOX@CASSCONSTRUCTION.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 309
Mailing City,State,Zip:		EL CAJON, CA 92022-0309
Owner Name:	CASS CONSTRUCTION INC	
Owner Type:		Other

CASS CONSTRUCTION INC (Continued) **1024848992**

Operator Name: JAI COX	
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CASS CONSTRUCTION INC (Continued) **1024848992**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JAI COX	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1100 WAGNER DR
Owner/Operator City,State,Zip:	EL CAJON, CA 92020
Owner/Operator Telephone:	619-590-0929
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CASS CONSTRUCTION INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 309
Owner/Operator City,State,Zip:	EL CAJON, CA 92022-0309
Owner/Operator Telephone:	619-590-0929
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150311
Handler Name: CASS CONSTRUCTION INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	23492
NAICS Description:	POWER AND COMMUNICATION TRANSMISSION LINE CONSTRUCTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I59 **CASS CONSTRUCTION, INC MENIFEE** **AST** **A100418494**
ENE **26035 PALOMAR RD** **N/A**
1/8-1/4 **MENIFEE, CA 92585**
0.248 mi.
1312 ft. **Site 3 of 4 in cluster I**

Relative: AST:
Higher

Name:	CASS CONSTRUCTION, INC MENIFEE
Address:	26035 PALOMAR RD
City/Zip:	MENIFEE,92585
Certified Unified Program Agencies:	Not reported
Owner:	Cass Construction, Inc
Total Gallons:	Not reported
CERSID:	10628875
Facility ID:	Not reported
Business Name:	CASS CONSTRUCTION
Phone:	619-593-4031
Fax:	619-593-4170
Mailing Address:	PO Box 309
Mailing Address City:	El Cajon
Mailing Address State:	CA
Mailing Address Zip Code:	92020
Operator Name:	Cass Construction, Inc Menifee
Operator Phone:	619-593-4031
Owner Phone:	619-593-4031
Owner Mail Address:	PO Box 309
Owner State:	CA
Owner Zip Code:	92020
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000405087

Actual:
1461 ft.

I60 **AMERICAN MEDICAL RESPONSE** **RCRA NonGen / NLR** **1026722685**
ENE **26035 PALOMAR RD** **CAL000459760**
1/8-1/4 **MENIFEE, CA 92585**
0.248 mi.
1312 ft. **Site 4 of 4 in cluster I**

Relative: RCRA Listings:
Higher

Date Form Received by Agency:	20210129
Handler Name:	AMERICAN MEDICAL RESPONSE
Handler Address:	26035 PALOMAR RD
Handler City,State,Zip:	MENIFEE, CA 92585
EPA ID:	CAL000459760
Contact Name:	BRIAN STITES
Contact Address:	26035 PALOMAR RD
Contact City,State,Zip:	MENIFEE, CA 92585
Contact Telephone:	951-966-1864
Contact Fax:	Not reported
Contact Email:	BRIAN.STITES@GMR.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

Actual:
1461 ft.

AMERICAN MEDICAL RESPONSE (Continued) **1026722685**

Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		26035 PALOMAR RD
Mailing City,State,Zip:		MENIFEE, CA 92585
Owner Name:	GLOBAL MEDICAL RESPONSE	
Owner Type:		Other
Operator Name:	BRIAN STITES	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No

AMERICAN MEDICAL RESPONSE (Continued) **1026722685**

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20210226
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: BRIAN STITES
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 26035 PALOMAR RD
Owner/Operator City,State,Zip: MENIFEE, CA 92585
Owner/Operator Telephone: 951-966-1864
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GLOBAL MEDICAL RESPONSE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 6363 S FIDDLERS GREEN CIRCLE
Owner/Operator City,State,Zip: GREENWOOD VILLAGE, CO 80111
Owner/Operator Telephone: 303-495-1200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210129
Handler Name: AMERICAN MEDICAL RESPONSE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 621910
NAICS Description: AMBULANCE SERVICES

AMERICAN MEDICAL RESPONSE (Continued) **1026722685**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

61
NNW
1/4-1/2
0.325 mi.
1717 ft.

Relative:
Lower

Actual:
1445 ft.

ROMOLAND MARKET
27856 HIGHWAY 74
ROMOLAND, CA 92380

LUST **S105025907**
SWEEPS UST **N/A**
HIST UST
Cortese
HIST CORTESE
CERS

LUST:
Name: ROMOLAND MARKET
Address: 27856 HIGHWAY 74
City,State,Zip: ROMOLAND, CA 92380
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500088
Global Id: T0606500088
Latitude: 33.7454021036022
Longitude: -117.173973939734
Status: Completed - Case Closed
Status Date: 07/25/1996
Case Worker: RIV
RB Case Number: 083300832T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 92265
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500088
Contact Type: Local Agency Caseworker
Contact Name: Riverside County LOP
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: Not reported
Phone Number: 9519558980

LUST:
Global Id: T0606500088
Action Type: Other
Date: 03/19/1992
Action: Leak Reported

Global Id: T0606500088
Action Type: ENFORCEMENT
Date: 02/16/2009
Action: File review - #RCDEH Upload Site File 10/21/2015

Global Id: T0606500088

ROMOLAND MARKET (Continued) **S105025907**

Action Type: Other
Date: 03/19/1992
Action: Leak Stopped

Global Id: T0606500088
Action Type: ENFORCEMENT
Date: 02/17/2009
Action: Closure/No Further Action Letter - #Site Closure

Global Id: T0606500088
Action Type: ENFORCEMENT
Date: 07/25/1996
Action: Closure/No Further Action Letter

Global Id: T0606500088
Action Type: Other
Date: 03/19/1992
Action: Leak Discovery

LUST:
Global Id: T0606500088
Status: Open - Case Begin Date
Status Date: 03/19/1992

Global Id: T0606500088
Status: Open - Site Assessment
Status Date: 03/19/1992

Global Id: T0606500088
Status: Completed - Case Closed
Status Date: 07/25/1996

LUST REG 8:
Name: ROMOLAND MARKET
Address: 27856 HIGHWAY 74
City: ROMOLAND
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083300832T
Local Case Num: Not reported
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: Not reported
Enf Type: CLOS
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Overfill
Leak Source: Other Source
Global ID: T0606500088
How Stopped Date: 3/19/1992

ROMOLAND MARKET (Continued) **S105025907**

Enter Date:	5/10/1988
Date Confirmation of Leak Began:	3/19/1992
Date Preliminary Assessment Began:	Not reported
Discover Date:	3/19/1992
Enforcement Date:	Not reported
Close Date:	7/25/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	5/10/1988
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.75024
Longitude:	-117.1671504
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	NOM
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	SAN JACINTO (8-5)
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

RIVERSIDE CO. LUST:

Name:	ROMOLAND MARKET
Address:	27856 HWY 74
City,State,Zip:	ROMOLAND, CA
Region:	RIVERSIDE
Facility ID:	92265
Employee:	Brown
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

SWEEPS UST:

Name:	ROMOLAND MARKET #231
Address:	27856 HIGHWAY 74
City:	ROMOLAND
Status:	Active

ROMOLAND MARKET (Continued) **S105025907**

Comp Number: 31976
Number: 1
Board Of Equalization: 44-008422
Referral Date: 05-09-90
Action Date: 05-09-90
Created Date: 02-29-88
Owner Tank Id: 231-1
SWRCB Tank Id: 33-000-031976-000001
Tank Status: A
Capacity: 9940
Active Date: 05-09-90
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Name: ROMOLAND MARKET #231
Address: 27856 HIGHWAY 74
City: ROMOLAND
Status: Active
Comp Number: 31976
Number: 1
Board Of Equalization: 44-008422
Referral Date: 05-09-90
Action Date: 05-09-90
Created Date: 02-29-88
Owner Tank Id: 231-2
SWRCB Tank Id: 33-000-031976-000002
Tank Status: A
Capacity: 9940
Active Date: 05-09-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: ROMOLAND MARKET #231
Address: 27856 HIGHWAY 74
City: ROMOLAND
Status: Active
Comp Number: 31976
Number: 1
Board Of Equalization: 44-008422
Referral Date: 05-09-90
Action Date: 05-09-90
Created Date: 02-29-88
Owner Tank Id: 231-3
SWRCB Tank Id: 33-000-031976-000003
Tank Status: A
Capacity: 5000
Active Date: 05-09-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

ROMOLAND MARKET (Continued) **S105025907**

HIST UST:

Name:	ROMOLAND MARKET
Address:	27856 HIGHWAY 74
City,State,Zip:	ROMOLAND, CA 92380
File Number:	0001F958
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F958.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CORTESE:

Name:	ROMOLAND MARKET
Address:	27856 HIGHWAY 74
City,State,Zip:	ROMOLAND, CA 92380
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0606500088
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ROMOLAND MARKET

ROMOLAND MARKET (Continued) **S105025907**

edr_fadd1:	27856 74
City,State,Zip:	ROMOLAND, CA 92380
Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083300832T

CERS:

Name:	ROMOLAND MARKET
Address:	27856 HIGHWAY 74
City,State,Zip:	ROMOLAND, CA 92380
Site ID:	218587
CERS ID:	T0606500088
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	Riverside County LOP - RIVERSIDE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	3880 LEMON ST SUITE 200
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9519558980,

J62 **B.P. JOHN RECYCLING, INC.** **LOS ANGELES CO LF METHANE** **S127128204**
ESE **N/A**
1/4-1/2 **, CA**
0.417 mi.
2203 ft. **Site 1 of 2 in cluster J**

Relative: **Higher**

Actual: **1458 ft.**

LOS ANGELES CO LF METHANE:

Name:	B.P. JOHN RECYCLING, INC.
Address:	Not reported
City,State,Zip:	CA
Site Number:	2744
Status:	Not reported
Description:	Not reported
Operator Name:	Not reported
Operator Telephone:	Not reported
Sup District:	Not reported
Shape Length:	Not reported
Shape Area:	Not reported
Latitude:	Not reported
Longitude:	Not reported

J63 **WILSON UTILITY CONSTRUCTION CO.** **SWF/LF** **S109287145**
ESE **28700 MATTHEWS RD** **CERS HAZ WASTE** **N/A**
1/4-1/2 **SUN CITY, CA 92585** **LDS**
0.425 mi. **HAZNET**
2242 ft. **Site 2 of 2 in cluster J** **NPDES**
CERS
Relative: **HWTS**
Higher

Actual: **1458 ft.**

LOS ANGELES CO. LF:

Name:	B.P. JOHN RECYCLING, INC.
Address:	28700 MATTHEWS RD
City,State,Zip:	ROMOLAND, CA 92585
Site ID:	2744
Alt. Site Name:	N/A
Alt. Address:	N/A
Site Contact:	Not reported
Site Contact Phone:	(951) 696-1144
Site Email:	Not reported
Site Website:	N/A
Site Type:	Out-of-County Facility
Site SWIS Number:	33-AA-0301
Beginning Operation Date:	N/A
Ending Operation Date:	N/A
Local Enforcement Agency:	County of Riverside Community Health Agency
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	1000
Present Use:	Chipping and Grinding Activity Fac./ Op.
Remaining Capacity(Million):	N/A
Status:	Active
Waste Accepted:	Green Materials;
Hours of Operation:	Monday - Friday 7 am - 4:30 pm; Saturday 7 am - 1 pm
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported
District:	Not reported
Site Mailing Address:	N/A

CERS HAZ WASTE:

Name:	B P JOHN HAULING
Address:	28700 MATTHEWS RD
City,State,Zip:	MENIFEE, CA 92585
Site ID:	10467
CERS ID:	10319869
CERS Description:	Hazardous Waste Generator

LDS:

Name:	GREENWASTE, BP JOHN RECYCLING-ROMOLAND

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

Address:	28700 MATTHEWS
City,State,Zip:	ROMOLAND, CA
Global Id:	L10008871055
Latitude:	33.7385
Longitude:	-117.1612
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	01/01/1965
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Caseworker:	JPL
Local Agency:	Not reported
RB Case Number:	8 332717001
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Not reported
EDR Link ID:	L10008871055
Potential Contaminants of Concern:	Not reported
Site History:	The facility is still in operation. However, the site is no longer regulated by the Regional Board, pending the adoption of a general conditional waiver for composting operations. Please visit the CalRecycle website at (http://www.calrecycle.ca.gov/SWFacilities/Directory/Search.aspx) for updated facility information.

Click here to access the California GeoTracker records for this facility:

HAZNET:

No Details:	No Details

NPDES:

Name:	BP JOHN RECYCLING
Address:	28700 MATTHEWS RD
City,State,Zip:	MENIFEE, CA 92585
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 33NNA000491
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	12/14/2021
Operator Name:	BP John Recycling

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

Operator Address: 28700 Matthews Rd
Operator City: Menifee
Operator State: California
Operator Zip: 92585

CERS:
Name: GREENWASTE, BP JOHN RECYCLING-ROMOLAND
Address: 28700 MATTHEWS
City,State,Zip: ROMOLAND, CA
Site ID: 226153
CERS ID: L10008871055
CERS Description: Land Disposal Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOANNE LEE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: B P JOHN HAULING
Address: 28700 MATTHEWS RD
City,State,Zip: MENIFEE, CA 92585
Site ID: 10467
CERS ID: 10319869
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 10467
Site Name: B P John Hauling
Violation Date: 07-01-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/11/2016.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 10467
Site Name: B P John Hauling
Violation Date: 07-01-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/11/2016. [LOCAL ORDINANCE VIOLATION 101C] Approved HMBP accessible on site and available for review.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 10467

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

Site Name:	B P John Hauling
Violation Date:	07-01-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/11/2016.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	10467
Site Name:	B P John Hauling
Violation Date:	07-01-2015
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes:	Returned to compliance on 03/11/2016.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	10467
Site Name:	B P John Hauling
Violation Date:	07-01-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 03/11/2016.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	10467
Site Name:	B P John Hauling
Violation Date:	07-01-2015
Citation:	40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description:	Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
Violation Notes:	Returned to compliance on 03/11/2016.
Violation Division:	Riverside County Department of Env Health

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

Violation Program: HW
Violation Source: CERS,

Site ID: 10467
Site Name: B P John Hauling
Violation Date: 07-01-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/11/2016. [LOCAL ORDINANCE VIOLATION 104D] Emergency equipment has been posted appropriately.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 03-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: RTC- violations corrected
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: RTC- violations corrected
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility is a green recycling center that handles a large amount of

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

organic materials such as tree and grass clippings. As a result, all areas of the facility are difficult to maintain clean. Manager on duty stated facility cleans hazardous materials and hazardous waste areas at least once a month.

Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility is a green recycling center that handles a large amount of organic materials such as tree and grass clippings. As a result, all areas of the facility are difficult to maintain clean. Manager on duty stated facility cleans hazardous materials and hazardous waste areas at least once a month.
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 10467
Site Name: B P John Hauling
Site Address: 28700 MATTHEWS RD
Site City: MENIFEE
Site Zip: 92585
Enf Action Date: 07-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 10467
Site Name: B P John Hauling
Site Address: 28700 MATTHEWS RD
Site City: MENIFEE
Site Zip: 92585
Enf Action Date: 07-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Oscar Ohnesorgen
Entity Title: Office Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	38875 Avenida La Cresta
Affiliation City:	Murrieta
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92562-9155
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	OSCAR OHNESOGEN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Edward F. Metzler
Entity Title:	Not reported
Affiliation Address:	38875 Avenida La Cresta
Affiliation City:	Murrieta
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92562
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	BP John Hauling
Entity Title:	Not reported
Affiliation Address:	38875 Avenida La Cresta
Affiliation City:	Murrieta
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92562-9155
Affiliation Phone:	(951) 696-1143,
Affiliation Type Desc:	Operator
Entity Name:	B. P. JOHN HAULING
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 696-1144,
Affiliation Type Desc:	Parent Corporation
Entity Name:	B P John Hauling
Entity Title:	Not reported
Affiliation Address:	Not reported

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,
Affiliation Type Desc:	Property Owner
Entity Name:	Edward Metzler
Entity Title:	Not reported
Affiliation Address:	38875 Avenida La Cresta
Affiliation City:	Murrieta
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92562
Affiliation Phone:	(951) 696-1143,

HWTS:

Name:	WILSON UTILITY CONSTRUCTION CO.
Address:	28700 MATTHEWS RD
Address 2:	Not reported
City,State,Zip:	SUN CITY, CA 92585
EPA ID:	CAC003122825
Inactive Date:	09/02/2021
Create Date:	06/03/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1190 N.W. THIRD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CANBY, OR 97013
Owner Name:	HANNAH COLLETTE
Owner Address:	1190 N.W. THIRD
Owner Address 2:	Not reported
Owner City,State,Zip:	CANBY, OR 97013
Contact Name:	HANNAH COLLETTE
Contact Address:	255 E RINCON STREET
Contact Address 2:	Not reported
City,State,Zip:	CORNOA, CA 92880
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.737098
Longitude:	-117.15965099

NAICS:

EPA ID:	CAC003122825
Create Date:	2021-06-03 15:07:05.647

WILSON UTILITY CONSTRUCTION CO. (Continued) **S109287145**

NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2021-06-03 15:07:05.64700
Inactive Date:	Not reported
Facility Name:	WILSON UTILITY CONSTRUCTION CO.
Facility Address:	28700 MATTHEWS RD
Facility Address 2:	Not reported
Facility City:	SUN CITY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92585

64
East
1/4-1/2
0.480 mi.
2535 ft.

B.P. JOHN RECYCLING INC.
28700 MATHEWS ROAD
MENIFEE, CA 92585

SWF/LF **S126327278**
CERS **N/A**

Relative:
Higher

Actual:
1460 ft.

SWF/LF (SWIS):

Name:	B.P. JOHN RECYCLING INC.
Address:	28700 MATHEWS ROAD
City,State,Zip:	MENIFEE, CA 92585
Region:	STATE
Facility ID:	33-AA-0301
SWIS Number:	33-AA-0301
Point of Contact:	Theodore Tasiopoulos
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Menifee
Reporting Agency Legal Name:	County of Riverside
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of Riverside
Enforcing Agency Department:	Department of Environmental Health
Regulation Status:	Notification

Activity:

SWIS Number:	33-AA-0301
Site Name:	B.P. John Recycling Inc.
Activity:	Chipping and Grinding Facility/Operation
Activity Is Archived:	No
Category:	Composting
Activity Classification:	Solid Waste Facility
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Quarterly
Throughput:	1000

B.P. JOHN RECYCLING INC. (Continued) **S126327278**

Throughput Units:	Tons per day
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	312000
Capacity Units:	Tons per year
Total Acreage:	6.2
Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Theodore Tasiopoulos
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	Riverside
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Menifee
Street Address:	28700 Mathews Road
City:	Menifee
State:	CA
ZIP Code:	92585
Reporting Agency Legal Name:	County of Riverside
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of Riverside
Enforcing Agency Department:	Department of Environmental Health

Operator:

SWIS Number:	33-AA-0301
Site Name:	B.P. John Recycling Inc.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	33.73732
Longitude:	-117.15928
Is Archived:	No
Operator:	B.P. John Recycling, Inc.
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(909) 696-1144
Street Address:	Edward Metzler/B.P. John Hauling 38875 Avenida La Cresta
Operator City:	Murrieta
Operator State:	CA
Operator Zip:	92562-9155

Owner:

B.P. JOHN RECYCLING INC. (Continued) **S126327278**

SWIS Number:	33-AA-0301
Owner:	Metzler Investements, Calif. Lmt. Part.
Owner Address:	38875 Avenida La Cresta
Owner City:	Murrieta
Owner State:	CA
Owner Zip:	92562-9155
Site Name:	B.P. John Recycling Inc.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	33.73732
Longitude:	-117.15928
Is Archived:	No
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(909) 696-1144

Waste:

SWIS Number:	33-AA-0301
Site Name:	B.P. John Recycling Inc.
Activity:	Chipping and Grinding Facility/Operation
Waste Type:	Green Materials
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Theodore Tasiopoulos
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Composting
Activity Classification:	Solid Waste Facility

SWIS Number:	33-AA-0301
Site Name:	B.P. John Recycling Inc.
Activity:	Chipping and Grinding Facility/Operation
Waste Type:	Wood waste
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Theodore Tasiopoulos
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Composting
Activity Classification:	Solid Waste Facility

CERS:

Name:	B.P. JOHN RECYCLING INC.
Address:	28700 MATHEWS ROAD
City,State,Zip:	MENIFEE, CA
Site ID:	506899

B.P. JOHN RECYCLING INC. (Continued) **S126327278**

CERS ID: 33-AA-0301
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Metzler Investements, Calif. Lmt. Part.
Entity Title: Not reported
Affiliation Address: Edward F. Metzler38875 Avenida La Cresta
Affiliation City: Murrieta
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92562-9155
Affiliation Phone: 9096961144,

Affiliation Type Desc: Legal Operator
Entity Name: B.P. John Recycling, Inc.
Entity Title: Not reported
Affiliation Address: Edward Metzler / B.P. John Hauling38875 Avenida La Cresta
Affiliation City: Murrieta
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92562-9155
Affiliation Phone: 9096961144,

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65 SSW 1/2-1 0.824 mi. 4352 ft. **PROPOSED ELEMENTARY SCHOOL NO. 15**
ROUSE ROAD/SHERMAN ROAD
MENIFEE, CA 92585

ENVIROSTOR SCH **S118757200 N/A**

Relative: Higher

Actual: 1470 ft.

ENVIROSTOR:
Name: PROPOSED ELEMENTARY SCHOOL NO. 15
Address: ROUSE ROAD/SHERMAN ROAD
City,State,Zip: MENIFEE, CA 92585
Facility ID: 60001068
Status: No Action Required
Status Date: 05/11/2009
Site Code: 404827
Site Type: School Investigation
Site Type Detailed: School
Acres: 12
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 67
Senate: 23
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.7253
Longitude: -117.1755
APN: NONE SPECIFIED
Past Use: NONE

PROPOSED ELEMENTARY SCHOOL NO. 15 (Continued) **S118757200**

Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: UE
Alias Name: 404827
Alias Type: Project Code (Site Code)
Alias Name: 60001068
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/07/2009
Comments: Approval of Phase I ESA w/ NA determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/07/2009
Comments: DTSC prepared a project close out cost recovery unit memorandum

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: PROPOSED ELEMENTARY SCHOOL NO. 15
Address: ROUSE ROAD/SHERMAN ROAD
City,State,Zip: MENIFEE, CA 92585
Facility ID: 60001068
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 12
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404827
Assembly: 67
Senate: 23
Special Program Status: Not reported
Status: No Action Required
Status Date: 05/11/2009
Restricted Use: NO
Funding: School District
Latitude: 33.7253

PROPOSED ELEMENTARY SCHOOL NO. 15 (Continued) **S118757200**

Longitude:	-117.1755
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	Under Investigation
Confirmed COC:	NONE SPECIFIED
Potential Description:	UE
Alias Name:	404827
Alias Type:	Project Code (Site Code)
Alias Name:	60001068
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	05/07/2009
Comments:	Approval of Phase I ESA w/ NA determination.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	05/07/2009
Comments:	DTSC prepared a project close out cost recovery unit memorandum
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MENIFEE	S114724820	ANTELOPE ROAD WASTE TIRE SITE	34470 ANTELOPE ROAD		RGA LF
MENIFEE	S114724819	ANTELOPE ROAD WASTE TIRE PILE	34470 ANTELOPE ROAD		RGA LF
NUEVO	S107539948		ON MENIFEE RD @ SAN JACINTO AV	92585	CDL
SUN CITY	S114724821	ANTELOPE ROAD WASTE TIRE SITE	34470 ANTELOPE ROAD		RGA LF

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

Lists of Federal NPL (Superfund) sites

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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 01/10/2023
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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/19/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 71

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
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: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

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: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

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: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

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: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

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

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

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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 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 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: 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 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

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

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

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 06/01/2022
Date Data Arrived at EDR: 06/09/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Lists of 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: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

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: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

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

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield 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: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
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: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
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: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
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: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
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: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 76

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
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: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
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: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
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: 04/03/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
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: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

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

Other Ascertainable Records

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

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
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: 05/11/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
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: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
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: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/12/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 12/12/2022
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: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 11/14/2022
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: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
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: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
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: 06/10/2022
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 69
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
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: 03/31/2022
Date Data Arrived at EDR: 04/14/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
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: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
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: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/24/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
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: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 68

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 12/19/2022
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: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/22/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
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: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/20/2022
Date Data Arrived at EDR: 05/20/2022
Date Made Active in Reports: 08/09/2022
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/16/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/19/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 10/31/2022
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: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
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: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/05/2022
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
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: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
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: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 06/10/2022
Date Data Arrived at EDR: 06/10/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
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: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
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: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2022
Date Data Arrived at EDR: 06/29/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 09/02/2022
Number of Days to Update: 79

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/21/2022
Date Data Arrived at EDR: 04/22/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
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: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
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: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/07/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/11/2022
Date Made Active in Reports: 09/23/2022
Number of Days to Update: 74

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
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: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
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: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
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: 01/13/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 86
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
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: 03/22/2022
Date Data Arrived at EDR: 06/24/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 76
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
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: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/24/2022
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: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
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: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 04/21/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 82

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
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: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
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: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/03/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
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: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
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: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
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: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
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: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/26/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

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: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 75

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/19/2022
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: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
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: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
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: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/27/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 76

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 11/14/2022
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: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
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: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
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: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
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: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 06/22/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 09/14/2022
Number of Days to Update: 76
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 84
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/07/2022
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: 05/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
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: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
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: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
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: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

26226 ANTELOPE ROAD
26226 ANTELOPE ROAD
SUN CITY, CA 92585

TARGET PROPERTY COORDINATES

Latitude (North):	33.738877 - 33ˆ 44’ 19.96’’
Longitude (West):	117.169559 - 117ˆ 10’ 10.41’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	484293.5
UTM Y (Meters):	3733023.0
Elevation:	1446 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12015913 ROMOLAND, CA
Version Date:	2018
North Map:	12015907 PERRIS, CA
Version Date:	2018

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).

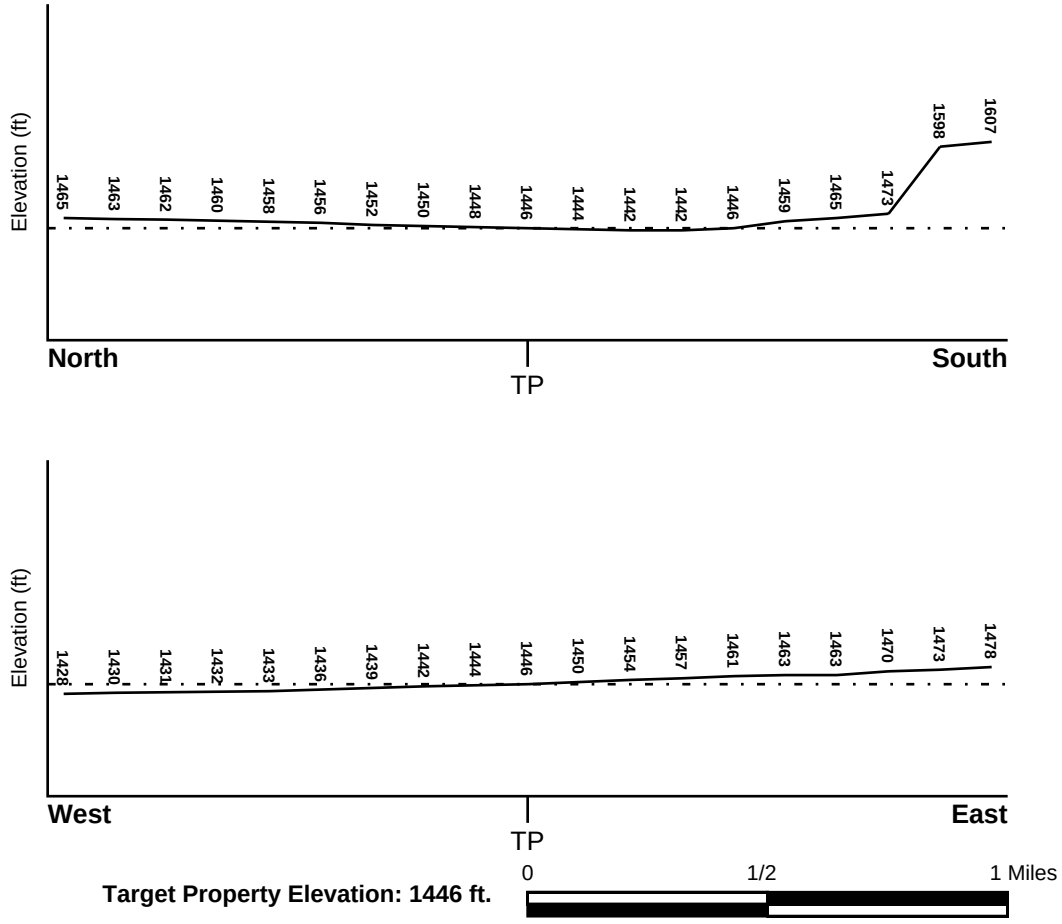
TOPOGRAPHIC INFORMATION

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 WSW

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
06065C2060H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C1445H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	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

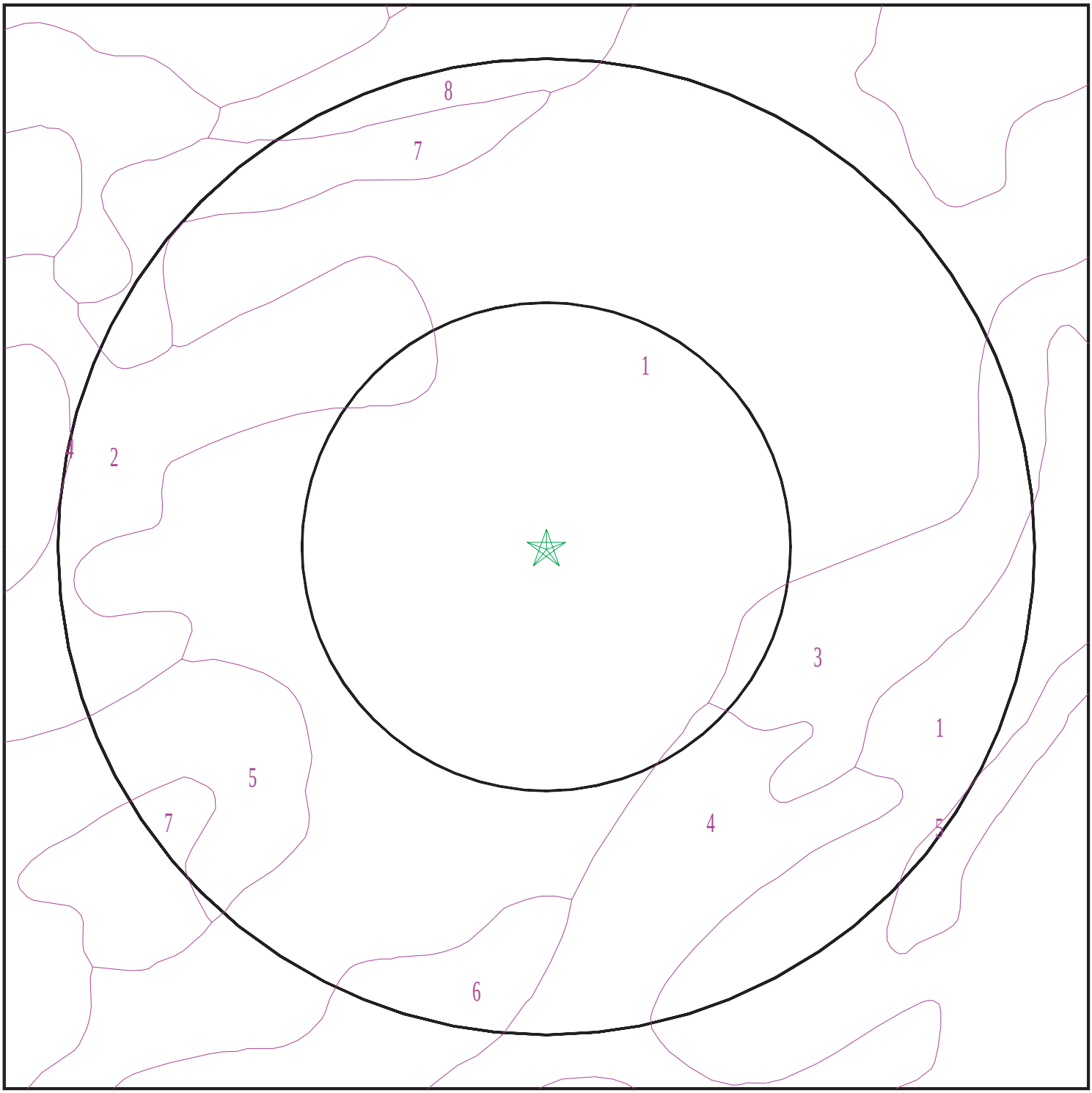
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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 - 7130970.2s



SITE NAME:	26226 Antelope Road	CLIENT:	Terraphase Engineering Inc.
ADDRESS:	26226 Antelope Road Sun City CA 92585	CONTACT:	Andrea Radtke
		INQUIRY #:	7130970.2s
LAT/LONG:	33.738877 / 117.169559	DATE:	September 27, 2022 3:30 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: EXETER

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	16 inches	37 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	37 inches	50 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
4	50 inches	59 inches	stratified sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: MADERA

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	11 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	20 inches	31 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
4	31 inches	59 inches	stratified coarse sandy loam to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: GREENFIELD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
2	25 inches	42 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
3	42 inches	59 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
4	59 inches	72 inches	stratified loamy sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: MONSERATE

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	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	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
2	9 inches	18 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
3	18 inches	44 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
4	44 inches	57 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
5	57 inches	70 inches	loamy coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: MONSERATE

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	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	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
2	9 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
3	27 inches	44 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
4	44 inches	57 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
5	57 inches	70 inches	loamy coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 6

Soil Component Name: EXETER

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: 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	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	16 inches	37 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	37 inches	50 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
4	50 inches	59 inches	stratified sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 7

Soil Component Name: EXETER

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	16 inches	37 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	37 inches	50 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
4	50 inches	59 inches	stratified sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 8

Soil Component Name: RAMONA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
2	14 inches	22 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	22 inches	68 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
4	68 inches	74 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000137651	1/4 - 1/2 Mile WSW
B5	USGS40000137600	1/2 - 1 Mile SE
C8	USGS40000137576	1/2 - 1 Mile SW
D11	USGS40000137841	1/2 - 1 Mile North
F17	USGS40000137493	1/2 - 1 Mile SSE
G21	USGS40000137613	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

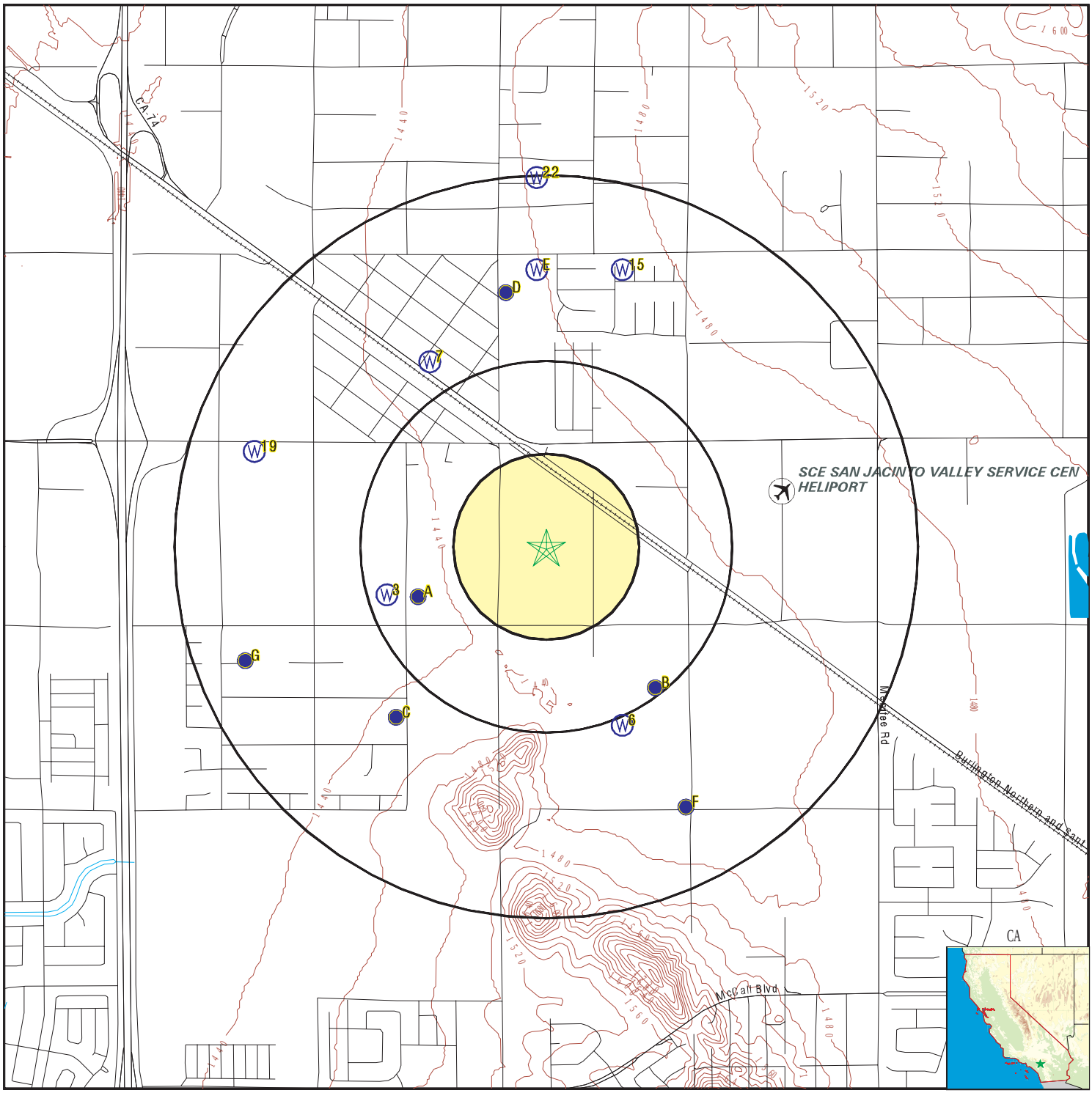
MAP ID	WELL ID	LOCATION FROM TP
A1	CAUSGSN00007238	1/4 - 1/2 Mile WSW
3	CADWR9000005248	1/4 - 1/2 Mile WSW
B4	CADWR9000005235	1/4 - 1/2 Mile SE
6	CADWR0000036959	1/2 - 1 Mile SSE
7	CADWR0000000205	1/2 - 1 Mile NNW
C9	CADWR9000005226	1/2 - 1 Mile SW
D10	CAUSGSN00001214	1/2 - 1 Mile North
D12	CADDW0000006636	1/2 - 1 Mile North
E13	CADWR0000000215	1/2 - 1 Mile North
E14	CADWR0000022880	1/2 - 1 Mile North
15	CADWR0000032495	1/2 - 1 Mile NNE
F16	CADWR9000005185	1/2 - 1 Mile SSE
F18	CAUSGSN00015525	1/2 - 1 Mile SSE
19	CADDW0000018737	1/2 - 1 Mile WNW
G20	CAUSGSN00000736	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
22	CADWR0000027763	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 7130970.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 26226 Antelope Road	CLIENT: Terraphase Engineering Inc.
ADDRESS: 26226 Antelope Road Sun City CA 92585	CONTACT: Andrea Radtke
LAT/LONG: 33.738877 / 117.169559	INQUIRY #: 7130970.2s DATE: September 27, 2022 3:30 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00007238**

Well ID:	USGS-334413117102901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334413117102901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334413117102901&store_num=		
GeoTracker Data:	Not Reported		

A2
WSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000137651**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W15H001S	Type:	Well
Description:	Not Reported	HUC:	18070202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	220
Well Depth Units:	ft	Well Hole Depth:	220
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1995-05-05
Feet below surface:	101.32	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1993-11-19	Feet below surface:	110.20
Feet to sea level:	Not Reported	Note:	Not Reported

3
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000005248**

State Well #:	05S03W15H001S	Station ID:	28641
Well Name:	Not Reported	Basin Name:	San Jacinto
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

B4
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000005235**

State Well #:	05S03W14L001S	Station ID:	6313
Well Name:	Not Reported	Basin Name:	San Jacinto
Well Use:	Unknown	Well Type:	Unknown

Well Depth:	0	Well Completion Rpt #:	Not Reported

B5
SE **FED USGS** **USGS40000137600**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W14L001S	Type:	Well
Description:	Not Reported	HUC:	18070202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19800120	Well Depth:	200
Well Depth Units:	ft	Well Hole Depth:	200
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1995-06-05
Feet below surface:	71.83	Feet to sea level:	Not Reported
Note:	Not Reported		

6
SSE **CA WELLS** **CADWR0000036959**
1/2 - 1 Mile
Lower

Well ID:	05S03W14P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W14P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W14P001S&store_num=		
GeoTracker Data:	Not Reported		

7
NNW **CA WELLS** **CADWR0000000205**
1/2 - 1 Mile
Lower

Well ID:	05S03W10R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W10R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W10R001S&store_num=		
GeoTracker Data:	Not Reported		

C8
SW **FED USGS** **USGS40000137576**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

Monitor Location:	005S003W15Q001S	Type:	Well
Description:	Not Reported	HUC:	18070202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19910404	Well Depth:	380
Well Depth Units:	ft	Well Hole Depth:	380
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1995-05-22
Feet below surface:	33.49	Feet to sea level:	Not Reported
Note:	Not Reported		

C9
SW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000005226**

State Well #:	05S03W15Q001S	Station ID:	28642
Well Name:	Not Reported	Basin Name:	San Jacinto
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

D10
North
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00001214**

Well ID:	USGS-334455117101401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334455117101401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334455117101401&store_num=		
GeoTracker Data:	Not Reported		

D11
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000137841**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W11M002S	Type:	Well
Description:	Not Reported	HUC:	18070202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	787
Well Depth Units:	ft	Well Hole Depth:	787
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D12
North
1/2 - 1 Mile
Higher | **CA WELLS** | **CADDW0000006636**

Well ID:	3310009-074	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 81 (DESALTER SUPPLY)	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3310009-074&store_num=		
GeoTracker Data:	Not Reported		

E13
North
1/2 - 1 Mile
Higher | **CA WELLS** | **CADWR0000000215**

Well ID:	05S03W11M001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W11M001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W11M001S&store_num=		
GeoTracker Data:	Not Reported		

E14
North
1/2 - 1 Mile
Higher | **CA WELLS** | **CADWR0000022880**

Well ID:	05S03W11M002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W11M002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W11M002S&store_num=		
GeoTracker Data:	Not Reported		

15
NNE
1/2 - 1 Mile
Higher | **CA WELLS** | **CADWR0000032495**

Well ID:	05S03W11L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W11L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W11L001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F16
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000005185**

State Well #:	Not Reported	Station ID:	48342
Well Name:	EMWD12774	Basin Name:	San Jacinto
Well Use:	Irrigation	Well Type:	Single Well
Well Depth:	0	Well Completion Rpt #:	Not Reported

F17
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000137493**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W14P001S	Type:	Well
Description:	WELL DEPTH IS AN APPROXIMATION		
HUC:	18070202	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	California Coastal Basin aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	250
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

F18
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00015525**

Well ID:	USGS-334343117094401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334343117094401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334343117094401&store_num=		
GeoTracker Data:	Not Reported		

19
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000018737**

Well ID:	3310009-078	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 89 (DESALTER SUPPLY) - STANDBY		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3310009-078&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G20
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00000736**

Well ID:	USGS-334404117105801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334404117105801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334404117105801&store_num=		
GeoTracker Data:	Not Reported		

G21
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000137613**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W15L001S	Type:	Well
Description:	Not Reported	HUC:	18070202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19941015	Well Depth:	150
Well Depth Units:	ft	Well Hole Depth:	150
Well Hole Depth Units:	ft		

22
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000027763**

Well ID:	05S03W11E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W11E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W11E001S&store_num=		
GeoTracker Data:	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
92585	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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix D

Historical Aerial Photographs

Calpine Menifee

26226 Antelope Road

Sun City, CA 92585

Inquiry Number: 6948563.11

April 20, 2022

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

04/20/22

Site Name:

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585
EDR Inquiry # 6948563.11

Client Name:

Terraphase Engineering Inc.
1300 Clay Street Suite 1000
Oakland, CA 94612
Contact: Vanya Keyes

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

Search Results:

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
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1997	1"=500'	Flight Date: October 16, 1997	USGS
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1978	1"=500'	Flight Date: September 20, 1978	USDA
1967	1"=500'	Flight Date: May 15, 1967	USDA
1961	1"=500'	Flight Date: August 18, 1961	USDA
1953	1"=500'	Flight Date: August 28, 1953	USDA
1949	1"=500'	Flight Date: May 23, 1949	USDA
1938	1"=500'	Flight Date: June 14, 1938	USDA

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INQUIRY #: 6948563.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 1997
= 500'
N
EDR

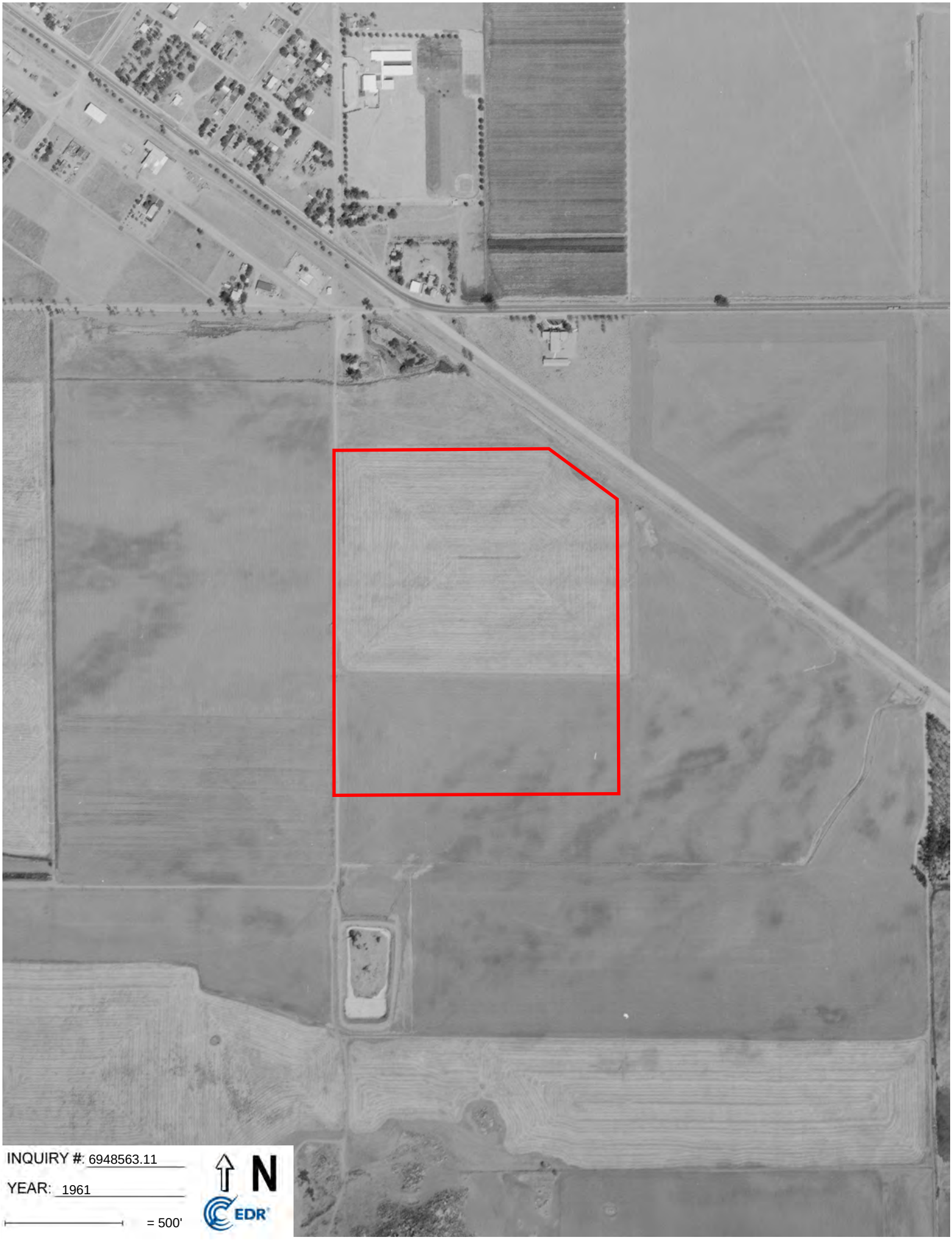

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YEAR: 1989
= 500'
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EDR

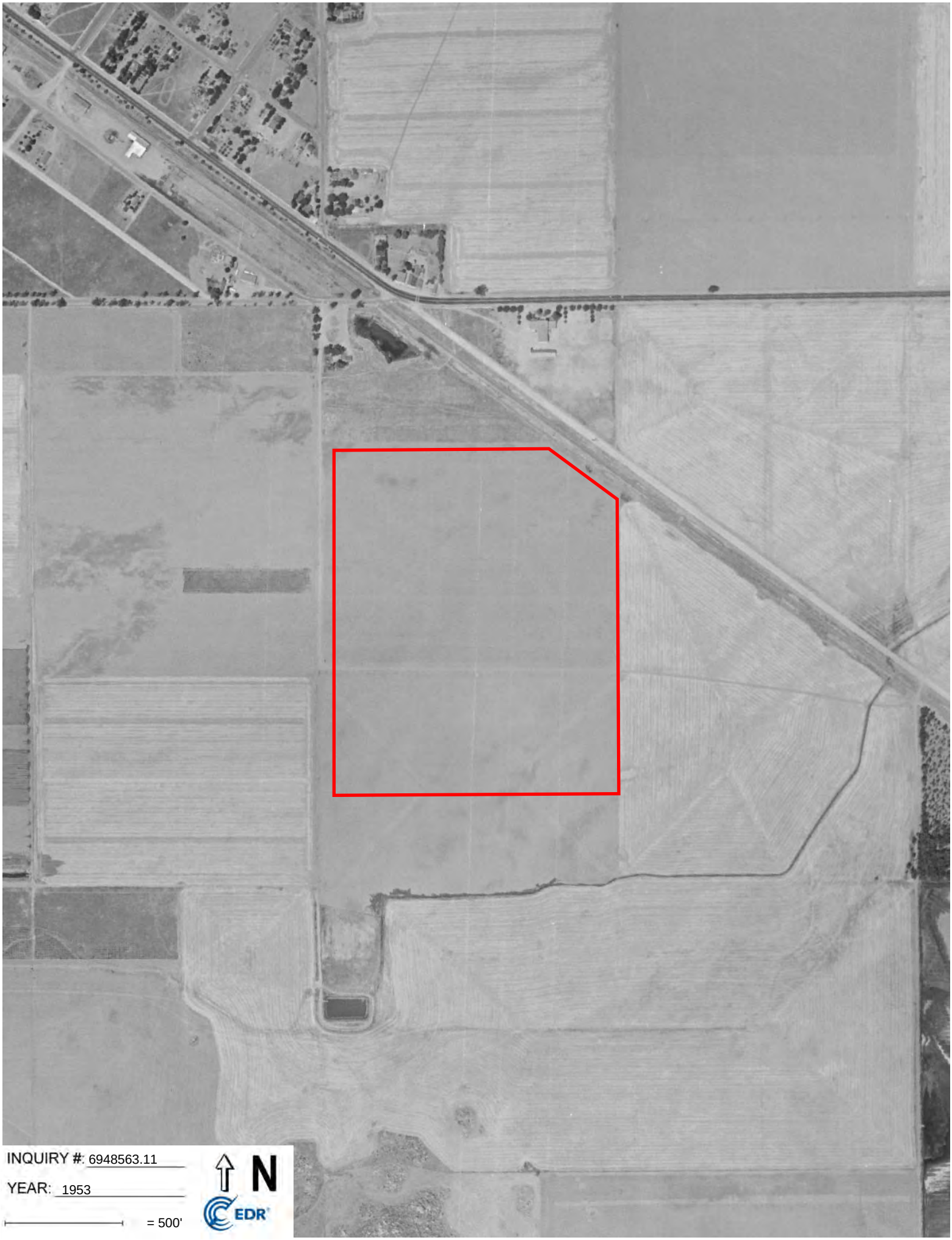

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EDR

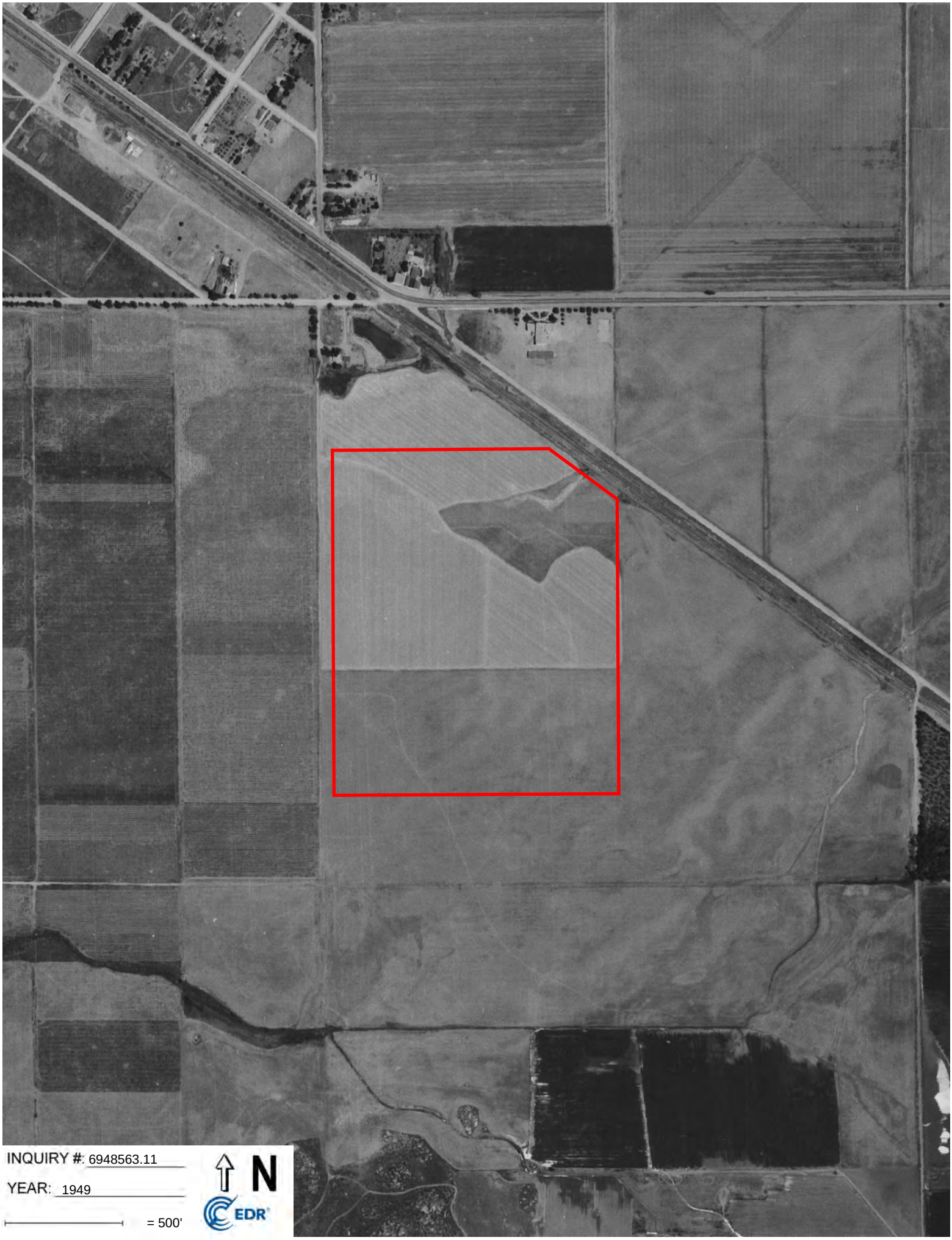

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YEAR: 1978
= 500'
N
EDR

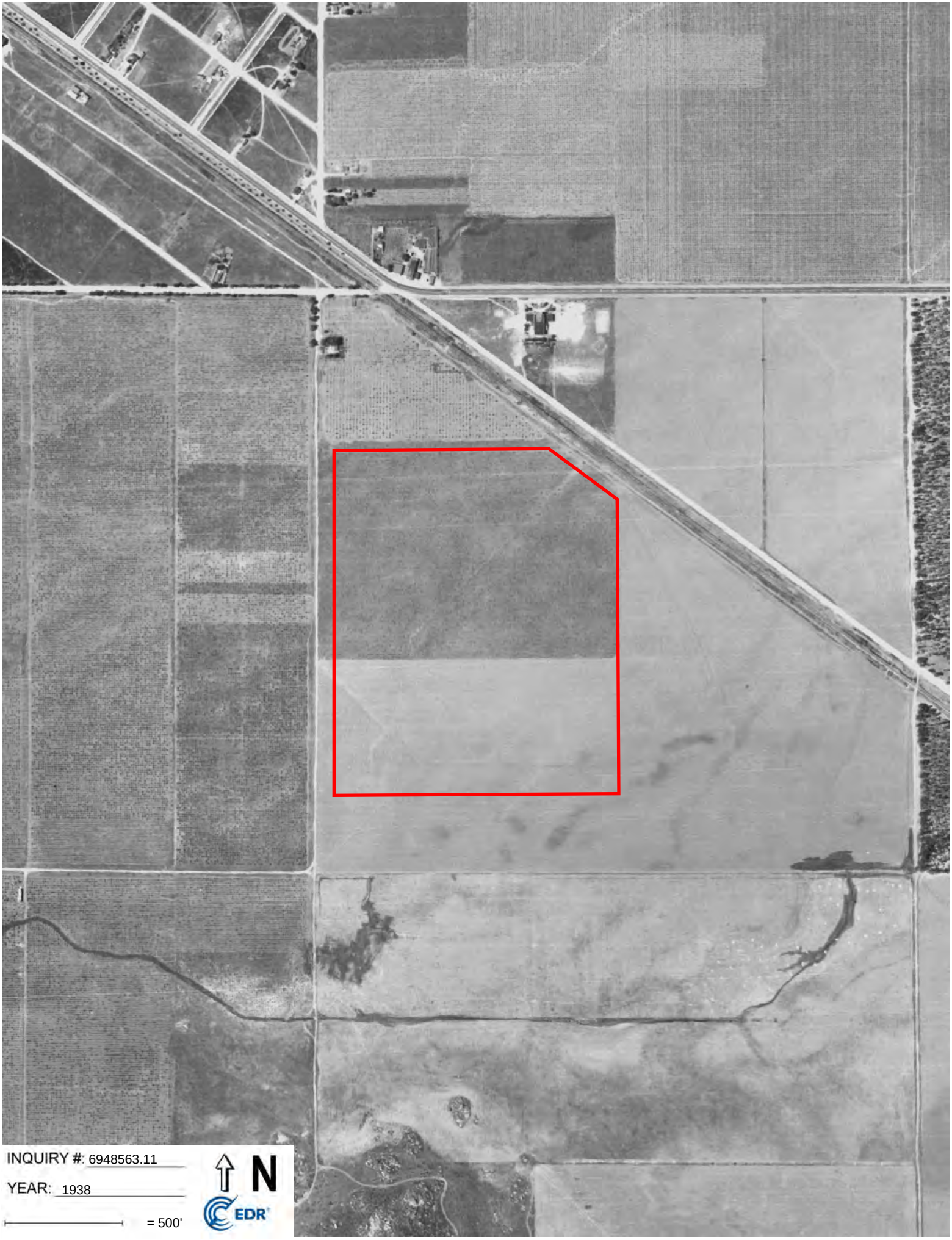

INQUIRY #: 6948563.11
YEAR: 1967
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 1967
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 1961
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 1953
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 1949
= 500'
N
EDR


INQUIRY #: 6948563.11
YEAR: 1938
= 500'
N
EDR

Appendix E

City Directories

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585

Inquiry Number: 6948563.5
April 21, 2022

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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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Data by
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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
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1990	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1976	☑	☐	Haines Criss-Cross Directory
1971	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

26226 Antelope Road
Sun City, CA 92585

Year	*CD Image*	*Source*	
ANTELOPE RD			
2017	pg A2	EDR Digital Archive	
2014	pg A4	EDR Digital Archive	
2010	pg A6	EDR Digital Archive	
2005	pg A8	EDR Digital Archive	
2000	pg A10	EDR Digital Archive	
1995	pg A12	EDR Digital Archive	
1992	pg A13	EDR Digital Archive	
1990	pg A14	Haines Criss-Cross Directory	
1990	pg A15	Haines Criss-Cross Directory	
1985	pg A16	Haines Criss-Cross Directory	
1980	pg A17	Haines Criss-Cross Directory	
1980	pg A18	Haines Criss-Cross Directory	
1976	pg A19	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

ANTELOPE RD 2017

24385 DENZ, PAMELA A
24563 JARAMILLO, JENNIFER
24710 QUINTANA, OSCAR
25090 DEESE, RICK L
25120 SANCHEZ, OSCAR P
25150 JONES, LINDA S
25180 PADILLA, MIGUEL A
25200 HASELWOOD, HERBERT
25240 DAVIS, RONALD G
25245 JSMIR, RANCHO
25260 ELLER, DOROTHY
25275 FLORES, LOUIS A
25280 ELLER, RICHARD J
25285 WARNING, ROBERT C
25292 ALVAREZ, RODRIGO
25295 WOOLDRIDGE, JAMES W
25388 RAMIREZ, JOCELYN
25420 ESPINOZA, MARIA
25442 HUFFMAN, RICK C
25480 CUMSTAY, VIVIAN
25486 BARRIOS, YESENIA I
25490 LIZARRAGA, VIRGINIO
NANAS HOME CARE
25494 HICKMAN, JERRY W
25496 VELAZQUEZ, RAMON A
25510 LEWIS, SUZANNE M
RISING STAR
25557 WISEMAN, EVA M
25572 MENDOZA, AURELIO M
25600 ALEXANDER, JACINTA
25630 GOMEZ, MARIA M
25639 LIVELY, RYAN J
25646 TRIANA, MORALES R
25670 GRASS, LES
25740 REYES, JESUS
25750 LAMAS, GABRA
25754 NERI, ARIANA
25764 REYES, ESPERANZA T
25766 OLMEDO, JOSE A
25801 CHAMBERS, ALMA
25887 ROMERO, SALVADOR C
25890 ROMOLAND ELEMENTARY SCHOOL
27767 BRITTON, MAUREEN
27773 CABRERA, ERIC P
27781 PEREZ, RICHARD
27787 CERDA, ANTONIA
27793 HAYNES, JEFFREY S
27799 FLORES, RICHARD R
27803 LACKEY, DYLAN K
27811 CORONA, YVONNE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2017 (Cont'd)

27817 MOSIER, STEVEN G
27839 SOLOMON, BRITTNEY
27847 MULKHAN, LEAKRANIE T
27855 ROZARIO, TONY J
27863 JOYNER, MICHAEL
27887 GLENN, BONNIE E
27913 WARD, JASON
27919 ERSKIN, SHANNON K
27929 NEAIPROEUNG, TIMOTHY N
27951 RANGEL, GERADO M
27963 SHULL, CYNTHIA R
27975 BRYANT, WILLIAM
28045 GRAINGER, RICHARD J
28181 GOULD, SUZANNE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2014

24385	DENZ, PAMELA A
24501	GOMEZ, ALFREDO
	SCHVANEVELDT QUARTERHORSE RANCH
24563	OCCUPANT UNKNOWN,
24710	OCCUPANT UNKNOWN,
24766	CASTRO, SALVADOR V
25090	DEESE, RICK L
25120	LOPEZ, EMILIO L
25150	JONES, LINDA S
25180	PADILLA, MIGUEL A
25200	HASELWOOD, HERBERT
25240	DAVIS, RONALD G
25245	JSMIR, RANCHO
25260	ELLER, PETE L
	K & N CUSTOMS FULL MOBILE RV SERVICE
25275	RAMIREZ, SUSANO S
25280	ELLER, JAY S
25285	WARNING, ROBERT C
25292	ALVAREZ, RODRIGO
25295	WOOLDRIDGE, JAMES W
25305	WARREN, DAVID L
25388	DIAZ, ELIZABETH
25420	ESPINOZA, MARIA
25442	HUFFMAN, RICK C
25480	CUMSTAY, VIVIAN
25486	CORREA, OMAR
25490	HOME, CARE N
	NANAS HOME CARE
25494	OCCUPANT UNKNOWN,
25496	VELAZQUEZ, RAMON A
25510	BIERNACKI, MARK
25557	OCCUPANT UNKNOWN,
25572	OCCUPANT UNKNOWN,
25600	RODRIGUEZ, MARIA
25626	MUNOZ, FERNANDO N
25630	GOMEZ, DANIEL F
25639	HERNANDEZ, SARA M
25646	TRIANA, MORALES R
25670	GRASS, LES
25740	OCCUPANT UNKNOWN,
25748	OCCUPANT UNKNOWN,
25750	LAMAS, RAMIRO
	MORENO, MARIBEL
	SANTACRUZ, JOSE S
25754	MORETTI, ENRIQUE
25764	REYES, ESPERANZA T
25766	OLMEDO, JOSE A
25801	URIBE, RUCIO
	VASQUEZ, LETICIA V
25887	ROMERO, SALVADOR C

ANTELOPE RD 2014 (Cont'd)

25889 OCCUPANT UNKNOWN,
25890 ROMOLAND ELEMENTARY SCHOOL
ROMOLAND HEAD START
27767 BRITTON, MAUREEN
27773 CABRERA, ERIC P
27781 OCCUPANT UNKNOWN,
27787 NEVAREZ, ALEX S
27793 OCCUPANT UNKNOWN,
27803 LACKEY, DYLAN K
27811 BANKS, WILLIAM R
27817 MOSIER, MARIE M
27823 RODRIGUEZ, KARISHA
27839 SOLOMON, BRITTNEY
27847 MULKHAN, LEAKRANIE
27855 MATTHEWS, HEATHER
27863 JOYNER, MICHAEL
27871 ALCALA, RAMON
27887 FULLER, BONNIE E
27895 CATACUTAN, ROBER
27903 HENDRICKSON, KEVIN
SANTANA, FAUSTINO
27913 OCCUPANT UNKNOWN,
27919 ERSKIN, SHANNON K
27929 NEAI, VUTHY
27939 OCCUPANT UNKNOWN,
27951 RANGEL, GERADO M
27963 SHULL, CYNTHIA R
27975 BRYANT, WILLIAM
28045 OCCUPANT UNKNOWN,
28181 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2010

24385 DENZ, PAMELA A
24501 BATREZ, HECTOR
SCHVANEVELDT QUARTERHORSE RNCH
24563 LEWIS, KEVIN A
24710 OCCUPANT UNKNOWN,
24766 CASTRO, SALVADOR V
25090 CITY BUILDERS
DEESE, RICK L
25120 LOPEZ, EMILIO
25150 JONES, LINDA S
25180 PADILLA, ROSARIO R
25200 HASELWOOD, HERBERT E
25240 DAVIS, RONALD G
25245 LEON, RAMON
25260 BRUCE, NOVA J
GLOVER, G
K & N CUSTOMS
MCFADDEN, LINDA
25275 OCCUPANT UNKNOWN,
25285 WARNING, ROBERT C
25292 HINCKLEY, MARGARET
25295 WOOLDRIDGE, JAMES W
25305 WARREN, DAVID D
25388 TORRES, MANUEL J
25420 GAVLIK, GENE E
25442 HUFFMAN, AMA J
25480 RED, MARGARET J
25486 BARRIIOS, YESENIA
25490 HOME, CARE N
NANAS HOME CARE
25494 TORRES, ROSA M
25496 VELAZQUEZ, RAMON A
25510 SMITH, JOHN
25557 OCCUPANT UNKNOWN,
25572 MENDOZA, AURELIO M
25600 OCCUPANT UNKNOWN,
25625 MORALES, OSCAR A
25626 OCCUPANT UNKNOWN,
25630 GOMEZ, DANIEL F
25639 JACKSON, AMBER M
25646 AVELINO, CARITINA
25670 GRASS, MARY E
25740 OCCUPANT UNKNOWN,
25748 OCCUPANT UNKNOWN,
25750 LAMAS, RAMIRO
MONTES, EMMA L
MORENO, MARIBEL
RODRIGUEZ, ISMAEL
SANTACRUZ, JOSE S
25754 LANDAVERDE, JULIO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2010 (Cont'd)

25754 MARIA, GALINDO
PENA, GUILLERMO
25755 BERNATINE, DAVID G
25764 REYES, ESPERANZA T
25766 BLANCO, MIGUEL
25801 CORREA, MARIANA
25887 BATH, K
25889 LOPEZ, CRISTINA
25890 ROMOLAND ELEMENTARY SCHOOL
ROMOLAND HEAD START
25926 BENIGNI, TINA
26226 TOP GRADE CONSTRUCTION
27773 CABRERA, ERIC P
27781 PEREZ, MARY H
27793 LARSON, GLEN J
27799 OCCUPANT UNKNOWN,
27803 APEL, ELIZABETH A
27811 BANKS, BILL R
27817 MOSIER TREE SVC
MOSIER, ANNETTE
27823 BENDLIN, TIMOTHY
27847 BONILLAS, REINA A
27855 LEE, CHAN J
27863 ESGATE, BRIAN G
27871 HERBSTREITH, LORI J
27895 BORNEMANN, KURT
27903 SANTANA, FAUSTINO
27913 THORPE, A
27919 ERSKIN, GARY
27929 JONES, BEAU M
27939 WILSON, LEW
27951 RANGEL, GERADO M
27963 SHULL, CYNTHIA R
27975 THOMPSON, DIANNA
28045 GRAINGER, RICHARD J
28181 BARRILLARO, ANNE C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2005

24050 DUPONT, SUZANNE D
24385 DENZ, PAMELA A
24501 GARCIA, ADAM
SCHVANEVELDT RANCH
24563 OCCUPANT UNKNOWN,
24710 ZEPEDA, RAMON J
24766 CASTRO, SALVADOR V
24950 FORRY, ROBERT S
25090 CITY BUILDERS
DEESE, RICK L
25150 JONES, LINDA S
25180 OCCUPANT UNKNOWN,
25200 HASELWOOD, HERBERT E
25245 WILSON, BARRY D
25260 OCCUPANT UNKNOWN,
25275 RAMIREZ, SUSANO S
25280 ELLER BROTHERS TRUCKING
ELLER, RICHARD
25285 WARNING, ROBERT C
25292 HINCKLEY, MARGARET
25295 WOOLDRIDGE, JAMES W
25305 WARREN, DAVID D
25420 GAVLIK, GENE E
25442 HUFFMAN, AMA J
25480 RED, MARGARET J
25486 CORREA, OTILIO
25490 LIZARRAGA, GINO
25496 COOK, COLLEEN M
25510 SMITH, JOHN
25557 OCCUPANT UNKNOWN,
25572 MENDOZA, AURELIO M
25600 BERNAL, CRUZ
25626 MORALES, OSCAR A
25630 OCCUPANT UNKNOWN,
25639 WALSH, HAROLD W
25646 RHODES, DONN
25670 CRAWFORD, MICHELLE
25740 OCCUPANT UNKNOWN,
25748 MARTINEZ, JUANA
25750 SANTACRUZ, JOSE S
25754 VASQUEZ, DAVID
25755 BERNATINE, DAVID G
25764 VEGA, JOSE L
25766 SANTANA, ELIZABETH
25801 VELASQUEZ, CARLOS
25889 OCCUPANT UNKNOWN,
25890 ROMOLAND HEAD START
25926 BENIGNI, TINA
27773 PRESCOTT, ERIC A
27781 LOPEZ, RICHARD J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2005 (Cont'd)

27787 NEVAREZ, OLGA
27793 LARSON, GLEN
27799 TEWKSBURY, SHEILA A
27803 APEL, MERLIN
27811 BANKS, WILLIAM R
27817 MOSIER, MARIE M
27823 ROELFS, DAYNA M
27839 RICHARDSON, JOHN W
27847 VICEK, ANTOINETTE V
27855 LEE, CHAN J
27871 COVARRUBIAS, JUAN
27887 BURGARD, JOANNE E
27903 MCCRIGHT, STEVEN R
27913 LECHUGA, MYRNA
27919 ERSKIN, GARY
27929 WEAKLEY, HOWARD G
27939 OCCUPANT UNKNOWN,
27951 RANGEL, FRANCISCO A
27963 SHULL, CYNTHIA R
27975 THOMPSON, DIANNA
28181 BARRILLARO, ANNE C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2000

24385	DENZ, ARTHUR
24501	BADON, DALE
	GARCIA, HILDA A
	MUNOZ, INOCENC
	NUNEZ, JOSE L
24710	OCCUPANT UNKNOWN,
24950	HOHN, CHARLES
25010	MOTTE & SONS RANCH
25090	OCCUPANT UNKNOWN,
25150	JONES, RICHARD
25200	HASELWOOD, HERBERT
25240	OCCUPANT UNKNOWN,
25245	OCCUPANT UNKNOWN,
25260	ELLER, PETE
	NECOCHEA, BILLY
25280	ELLER, JAY
25285	WARNING, ROBERT
25292	HINCKLEY, M
25295	WOOLDRIDGE, JIM
25305	OCCUPANT UNKNOWN,
25420	NECOCHEA, G R
25442	HUFFMAN, ELMER C
25480	RED, M J
25486	HARTSE, S
25490	OCCUPANT UNKNOWN,
25496	COOK, COLLEEN M
25557	OCCUPANT UNKNOWN,
25600	CURIEL, HECTOR
25626	MORALES, OSCAR
25630	OCCUPANT UNKNOWN,
25639	WALSH, HAROLD W
25646	RHODES, DONN
25650	OCCUPANT UNKNOWN,
25670	OCCUPANT UNKNOWN,
25748	OCCUPANT UNKNOWN,
25754	AGUILA, MIGUEL
	GARCIA, G
	GARCIABIRRUETE, RAUL
	SANCHEZ, HILDA
25755	BERNATINE, DAVID
25764	HERNANDEZ, LEONCIO
25766	CASTRO, S
25801	OCCUPANT UNKNOWN,
25889	CHAVEZ, RAFAEL
25890	ROMOLAND HEAD START
27895	FULLER, V
27903	BELTRAN, N L
	MCCRIGHT, RONALD
27913	BLACKBURN, C
27919	BROWN, STEVEN H

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2000 (Cont'd)

27929 LLOYD, LISA L
27939 WILSON, LEW
27951 RANGEL, GERADO
27963 SHULL, CYNTHIA R
27975 SAENZ, MARIA I
27978 DIAZ, C
28181 BARILLARO, ALFRED

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 1995

24501	SCHVANEVELDT QUARTERHORSE RNCH
24710	MERCADO, JOSEPH
	SOUTHERN CALIFORNIA CONSTR
24950	OCCUPANT UNKNOWNN
25010	MOTTE & SONS RANCH
25240	FROSCHAUER, ALLEN N
25245	WILSON, BARRY D
25260	OCCUPANT UNKNOWNN
25275	CONANT, CONANT
25280	ELLER, JAY S
25285	WARNING, ROBERT C
25295	WOOLDRIDGE, JAMES W
25305	WARREN, DAVID
25420	NECOCHEA, G R
25442	HUFFMAN, ELMER C
25486	RED, JOSEPH A
25490	HEFLEY, STEVEN L
25496	OCCUPANT UNKNOWNN
25630	GOMEZ, CIRILO
25646	RHODES, DONN
25650	PIPKIN, CORA
25748	OCCUPANT UNKNOWNN
25754	KEARNS, HARLEY D
25755	BERNATINE, DAVID
25766	OCCUPANT UNKNOWNN
25890	ROMOLAND ELEMENTARY SCHOOL
	ROMOLAND HEAD START
27839	RICHARDSON, JOHN W
27847	FOWLER, DAVID S
27855	LEE, CHANJU
27863	OCCUPANT UNKNOWNN
27887	BURGARD, JOANNE E
27895	FULLER, V
27903	BELTRAN, N L
	MCCRIGHT, RONALD
27913	OCCUPANT UNKNOWNN
27919	OCCUPANT UNKNOWNN
27929	WHITE, CHARLES S
27951	RANGEL, GERARDO M
27963	SHULL, CYNTHIA R
27975	PLASCENCIA, ARTURO
28181	BARILLARO, ALFRED

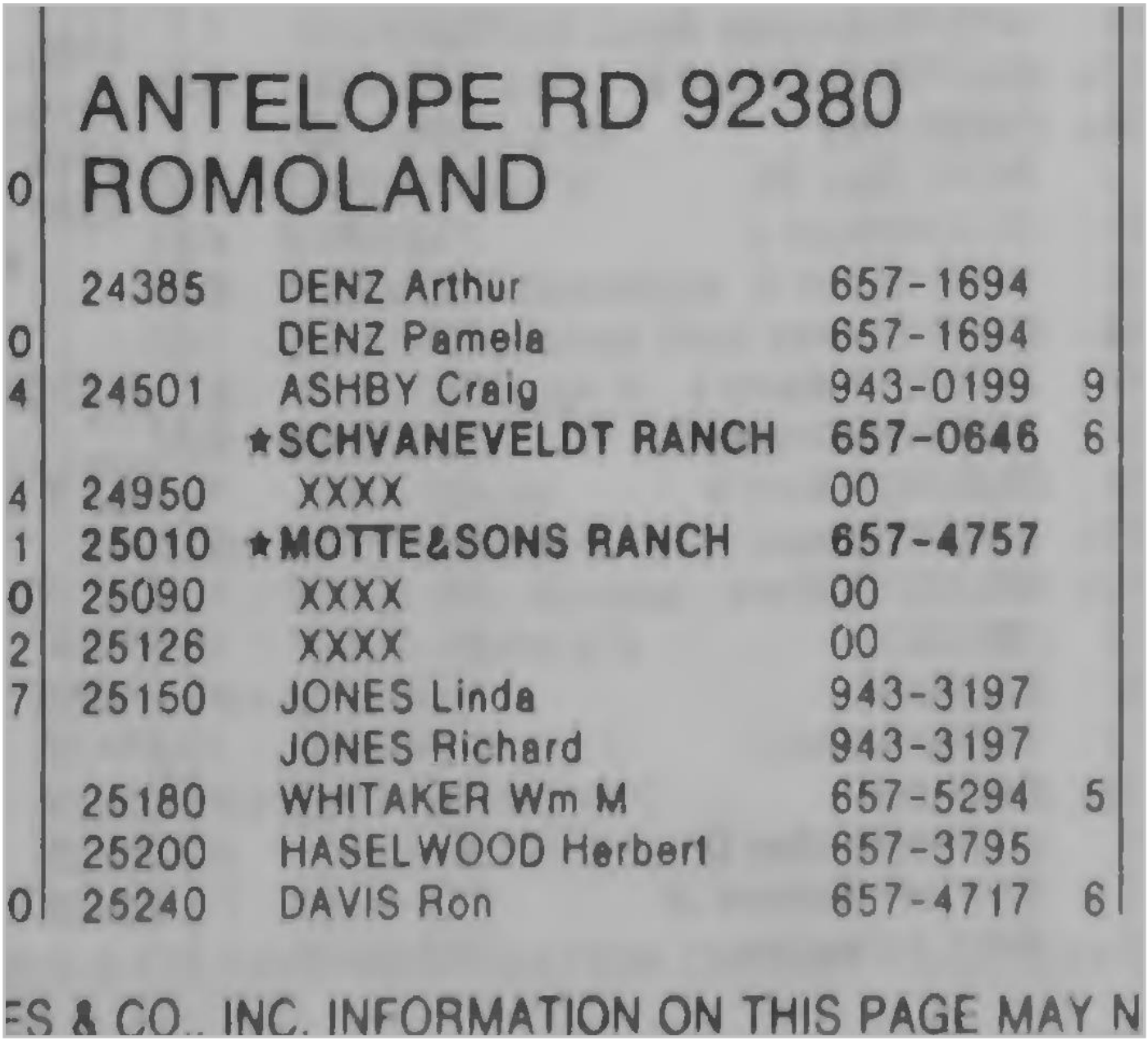
Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 1992

24501 SCHVANEVELDT QTRHRS
24710 SOUTHRN CA CONSTR
25010 MOTTE&SONS RANCH
25275 CREATIVE CABINETS
25890 ROMOLAND ELEM SC
ROMOLAND SC DIST
27781 OWENS, D
27823 C L BUILDERS
28181 BARILLARO, ALFRED

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1990



ANTELOPE RD 92380

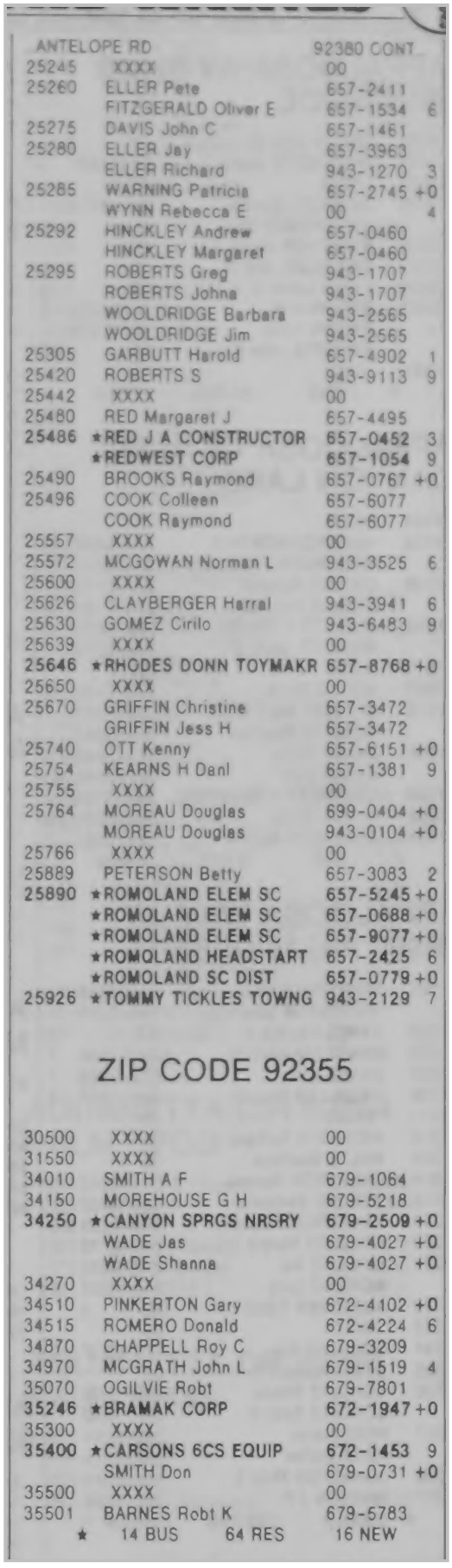
ROMOLAND

	24385	DENZ Arthur	657-1694	
0		DENZ Pamela	657-1694	
4	24501	ASHBY Craig	943-0199	9
		★SCHVANEVELDT RANCH	657-0646	6
4	24950	XXXX	00	
1	25010	★MOTTE&SONS RANCH	657-4757	
0	25090	XXXX	00	
2	25126	XXXX	00	
7	25150	JONES Linda	943-3197	
		JONES Richard	943-3197	
	25180	WHITAKER Wm M	657-5294	5
	25200	HASELWOOD Herbert	657-3795	
0	25240	DAVIS Ron	657-4717	6

ES & CO., INC. INFORMATION ON THIS PAGE MAY N

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1990



ANTELOPE RD 92380 CONT

25245	XXXX	00	
25260	ELLER Pete	657-2411	
	FITZGERALD Oliver E	657-1534	6
25275	DAVIS John C	657-1461	
25280	ELLER Jay	657-3963	
	ELLER Richard	943-1270	3
25285	WARNING Patricia	657-2745	+0
	WYNN Rebecca E	00	4
25292	HINCKLEY Andrew	657-0460	
	HINCKLEY Margaret	657-0460	
25295	ROBERTS Greg	943-1707	
	ROBERTS Johna	943-1707	
	WOOLDRIDGE Barbara	943-2565	
	WOOLDRIDGE Jim	943-2565	
25305	GARBUTT Harold	657-4902	1
25420	ROBERTS S	943-9113	9
25442	XXXX	00	
25480	RED Margaret J	657-4495	
25486	**★RED J A CONSTRUCTOR**	**657-0452**	3
	★REDWEST CORP	**657-1054**	9
25490	BROOKS Raymond	657-0767	+0
25496	COOK Colleen	657-6077	
	COOK Raymond	657-6077	
25557	XXXX	00	
25572	MCGOWAN Norman L	943-3525	6
25600	XXXX	00	
25626	CLAYBERGER Harral	943-3941	6
25630	GOMEZ Cirilo	943-6483	9
25639	XXXX	00	
25646	**★RHODES DONN TOYMAKR**	**657-8768**	+0
25650	XXXX	00	
25670	GRIFFIN Christine	657-3472	
	GRIFFIN Jess H	657-3472	
25740	OTT Kenny	657-6151	+0
25754	KEARNS H Danl	657-1381	9
25755	XXXX	00	
25764	MOREAU Douglas	699-0404	+0
	MOREAU Douglas	943-0104	+0
25766	XXXX	00	
25889	PETERSON Betty	657-3083	2
25890	**★ROMOLAND ELEM SC**	**657-5245**	+0
	★ROMOLAND ELEM SC	**657-0688**	+0
	★ROMOLAND ELEM SC	**657-9077**	+0
	★ROMOLAND HEADSTART	**657-2425**	6
	★ROMOLAND SC DIST	**657-0779**	+0
25926	**★TOMMY TICKLES TOWNG**	943-2129	7

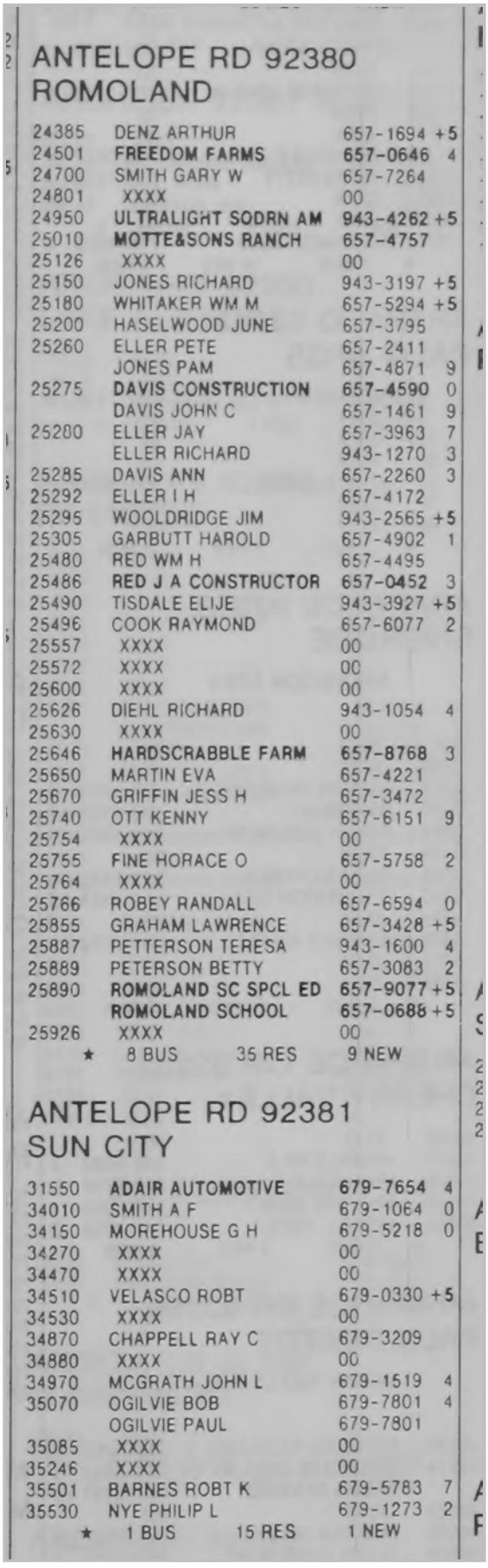
ZIP CODE 92355

30500	XXXX	00	
31550	XXXX	00	
34010	SMITH A F	679-1064	
34150	MOREHOUSE G H	679-5218	
34250	**★CANYON SPRGS NRSRY**	**679-2509**	+0
	WADE Jas	679-4027	+0
	WADE Shanna	679-4027	+0
34270	XXXX	00	
34510	PINKERTON Gary	672-4102	+0
34515	ROMERO Donald	672-4224	6
34870	CHAPPELL Roy C	679-3209	
34970	MCGRATH John L	679-1519	4
35070	OGILVIE Robt	679-7801	
35246	**★BRAMAK CORP**	**672-1947**	+0
35300	XXXX	00	
35400	**★CARSONS 6CS EQUIP**	**672-1453**	9
	SMITH Don	679-0731	+0
35500	XXXX	00	
35501	BARNES Robt K	679-5783	

★ 14 BUS 64 RES 16 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1985



ANTELOPE RD 92380
ROMOLAND

24385	DENZ ARTHUR	657-1694	+5
24501	**FREEDOM FARMS**	**657-0646**	4
24700	SMITH GARY W	657-7264	
24801	XXXX	00	
24950	**ULTRALIGHT SODRN AM**	**943-4262**	+5
25010	**MOTTE&SONS RANCH**	**657-4757**	
25126	XXXX	00	
25150	JONES RICHARD	943-3197	+5
25180	WHITAKER WM M	657-5294	+5
25200	HASELWOOD JUNE	657-3795	
25260	ELLER PETE	657-2411	
	JONES PAM	657-4871	9
25275	**DAVIS CONSTRUCTION**	**657-4590**	0
	DAVIS JOHN C	657-1461	9
25280	ELLER JAY	657-3963	7
	ELLER RICHARD	943-1270	3
25285	DAVIS ANN	657-2260	3
25292	ELLER I H	657-4172	
25295	WOOLDRIDGE JIM	943-2565	+5
25305	GARBUTT HAROLD	657-4902	1
25480	RED WM H	657-4495	
25486	**RED J A CONSTRUCTOR**	**657-0452**	3
25490	TISDALE ELIJE	943-3927	+5
25496	COOK RAYMOND	657-6077	2
25557	XXXX	00	
25572	XXXX	00	
25600	XXXX	00	
25626	DIEHL RICHARD	943-1054	4
25630	XXXX	00	
25646	**HARDSCRABBLE FARM**	**657-8768**	3
25650	MARTIN EVA	657-4221	
25670	GRIFFIN JESS H	657-3472	
25740	OTT KENNY	657-6151	9
25754	XXXX	00	
25755	FINE HORACE O	657-5758	2
25764	XXXX	00	
25766	ROBEY RANDALL	657-6594	0
25855	GRAHAM LAWRENCE	657-3428	+5
25887	PETTERSON TERESA	943-1600	4
25889	PETERSON BETTY	657-3083	2
25890	**ROMOLAND SC SPCL ED**	**657-9077**	+5
	ROMOLAND SCHOOL	**657-0688**	+5
25926	XXXX	00	

★ 8 BUS 35 RES 9 NEW

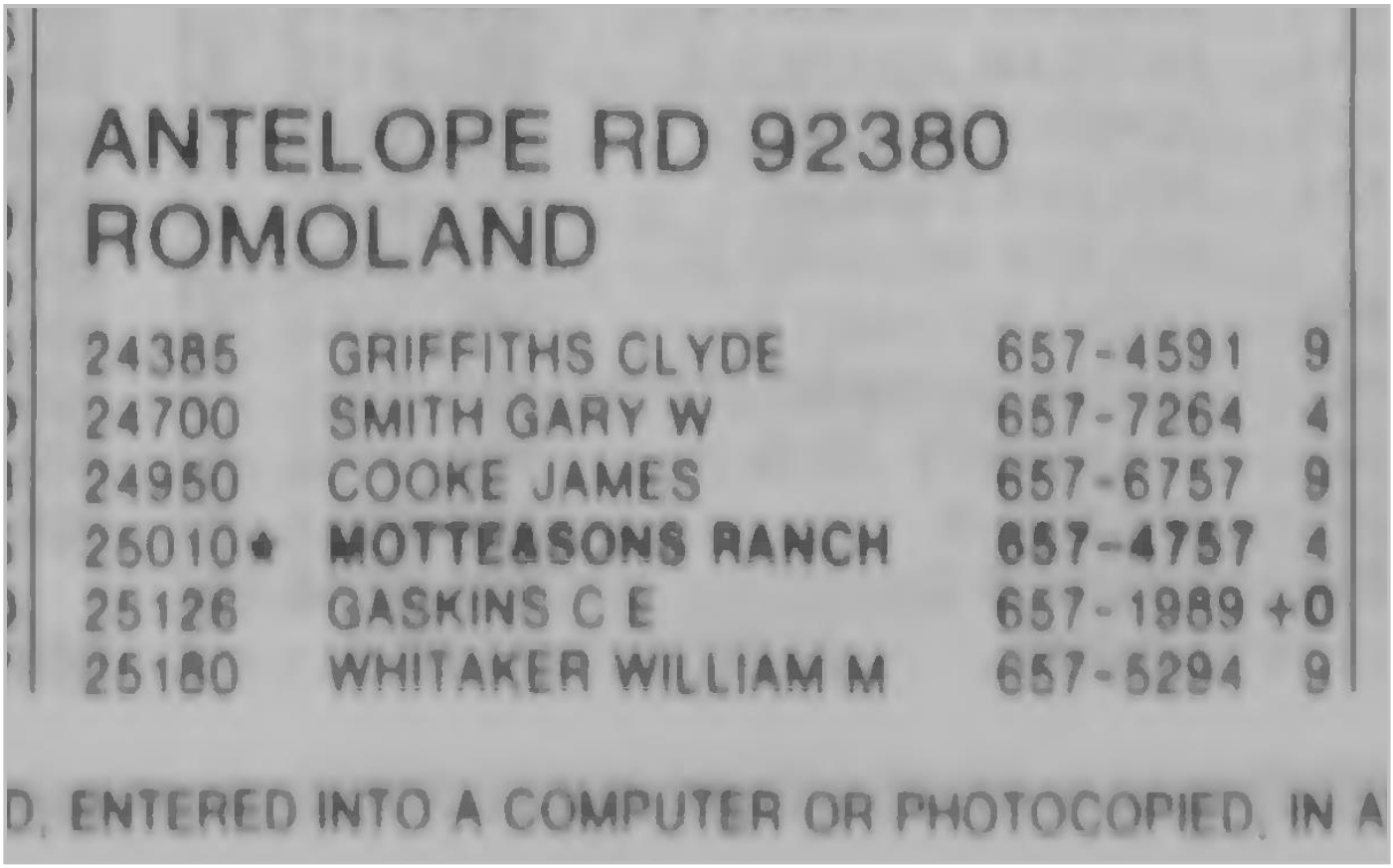
ANTELOPE RD 92381
SUN CITY

31550	**ADAIR AUTOMOTIVE**	**679-7654**	4
34010	SMITH A F	679-1064	0
34150	MOREHOUSE G H	679-5218	0
34270	XXXX	00	
34470	XXXX	00	
34510	VELASCO ROBT	679-0330	+5
34530	XXXX	00	
34870	CHAPPELL RAY C	679-3209	
34880	XXXX	00	
34970	MCGRATH JOHN L	679-1519	4
35070	OGILVIE BOB	679-7801	4
	OGILVIE PAUL	679-7801	
35085	XXXX	00	
35246	XXXX	00	
35501	BARNES ROBT K	679-5783	7
35530	NYE PHILIP L	679-1273	2

★ 1 BUS 15 RES 1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1980



ANTELOPE RD 92380
ROMOLAND

24385	GRIFFITHS CLYDE	657-4591	9
24700	SMITH GARY W	657-7264	4
24950	COOKE JAMES	657-6757	9
25010	MOTTEASONS RANCH	657-4757	4
25126	GASKINS C E	657-1989	+0
25180	WHITAKER WILLIAM M	657-5294	9

D, ENTERED INTO A COMPUTER OR PHOTOCOPIED, IN A

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1980

..ANTELOPE RD 92380 CONT..

25200	HASELWOOD JUNE	657-3795 5
25260	ELLER PETE	657-2411
	JONES PAM	657-4871 9
25275	DAVIS JOHN C	657-1461 9
★	**DAVIS ROOFING**	**657-4590+0**
25280	ELLER JAY	657-3963 7
25292	ELLER I H	657-4172 4
25295	HAMMONS M	657-9286 +0
25480	RED WM H	657-4495 5
25557	COLLINS RAY	657-3675
25572	MCGOWAN NORMAN L	657-8363 8
25600	XXXX	00
25639	BROWN MARVIN R	657-9136 +0
25650	MARTIN EVA	657-4221
25670	GRIFFIN JESS H	657-3472 4
25740	OTT KENNY	657-6151 9
25754	KEARNS H DANL	657-1415 9
25764	TRUNK E F SR	657-6075 6
25766	ROBEY JAS	657-6594 +0
25855	XXXX	00
25890★	**ROMOLAND SCHOOL**	**657-2461+0**
★	3 BUS 24 RES	6 NEW

ANTELOPE RD 92381 SUN CITY

32509	XXXX	00
34010	SMITH A F	679-1064 +0
34150	MOREHOUSE G H	679-5218 +0
34270	XXXX	00
34470	MEHAS TED	679-3208 8
34530	ALVAREZ JOHN	679-2980 +0
	RIZZO GEORGE	679-3142 9
34970	MGCRATH S A	679-2809
35070	OGILVIE DARLENE	679-7801 +0
35085	XXXX	00
35246	KLURE A SCOTT	679-6518 7
35501	BARNES ROBT K	679-5783 7
35530	XXXX	00
35931	WESTBROOK RICHARD	679-1771 8
★	0 BUS 14 RES	4 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1976

ANTELOPE RD 92380 ROMOLAND

	24700	SMITH GARY W	657-7264 4
	24811	XXXX	00
	24950	XXXX	00
	25010	*MOTTE BROS RANCH	657-4757 4
	25072	XXXX	00
5	25126	GASKINS C E	657-2469
3	25200	HASELWOOD JUNE	657-3795 5
	25260	ELLER PETE	657-2411
5	25280	XXXX	00
3	25292	ELLER I H	657-4172 4
	25300	XXXX	CO
	25480	RED WM H	657-4495 5
3	25557	COLLINS RAY	657-3675
6	25572	FOUTZ HUBERT	657-2368 5
	25639	CARRO LOU	657-4922+6
	25646	RHODES DON R	657-3218+6
	25650	MARTIN EVA	657-4221
6	25670	GRIFFIN J H	657-3472 4
	25764	TRUNK E F SR	657-6075+6
	25855	FOGLER CLIFF	657-7051+6
	25887	GUITTEREZ JOSE A	657-6985+6
	25889	XXXX	00
	25890	*ROMOLAND SCHOOL	657-2461+6
	25926	ADAME NAT	657-4886
5		ELLER JAY	657-3963 5
5		* 2 BUS 23 RES 6 NEW	

ANTELOPE RD 92380 ROMOLAND

MENIFEE AREA

3	32509	WEBER BILL	679-1511
5	34150	MOREHOUSE G H	679-4037
5	34270	CASTILLO G	679-4404 5
5	34470	MEHAS MINNA	679-3208 5
3	34970	MCGRATH S A	679-2809
5	35070	EVANS LETA MRS	679-3109 5
3	35085	GREER EVERETT	679-3190+6
5	35246	XXXX	00
3	35530	DIVINE L L	679-2990
5		* 0 BUS 9 RES 1 NEW	

Appendix F

Topographic Maps

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585

Inquiry Number: 6948563.4
April 20, 2022

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

04/20/22

Site Name:

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585
EDR Inquiry # 6948563.4

Client Name:

Terraphase Engineering Inc.
1300 Clay Street Suite 1000
Oakland, CA 94612
Contact: Vanya Keyes

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Terraphase Engineering 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.# 0027.008.001
Project: Calpine Menifee

Coordinates:

Latitude:	33.738877 33° 44' 20" North
Longitude:	-117.169559 -117° 10' 10" West
UTM Zone:	Zone 11 North
UTM X Meters:	484293.84
UTM Y Meters:	3733216.70
Elevation:	1446.79' above sea level

Maps Provided:

2018	1942
2015	1901
2012	
1979	
1973	
1953	
1947	
1943	

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Topo Sheet Key

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

2018 Source Sheets



Romoland
2018
7.5-minute, 24000



Perris
2018
7.5-minute, 24000

2015 Source Sheets



Romoland
2015
7.5-minute, 24000



Perris
2015
7.5-minute, 24000

2012 Source Sheets

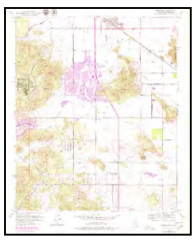


Romoland
2012
7.5-minute, 24000



Perris
2012
7.5-minute, 24000

1979 Source Sheets



Romoland
1979
7.5-minute, 24000
Aerial Photo Revised 1976

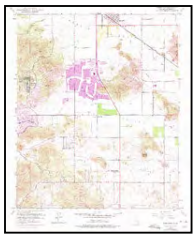


Perris
1979
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

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

1973 Source Sheets

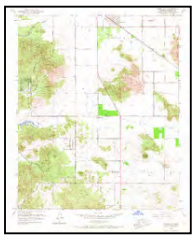


Romoland
1973
7.5-minute, 24000
Aerial Photo Revised 1973



Perris
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1953 Source Sheets



Romoland
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Perris
1953
7.5-minute, 24000
Aerial Photo Revised 1951

1947 Source Sheets



MURRIETA
1947
15-minute, 50000

1943 Source Sheets



Murrieta
1943
15-minute, 62500
Aerial Photo Revised 1939



PERRIS
1943
15-minute, 62500

Topo Sheet Key

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

1942 Source Sheets



Perris
1942
15-minute, 62500
Aerial Photo Revised 1939



Murrieta
1942
15-minute, 62500
Aerial Photo Revised 1939

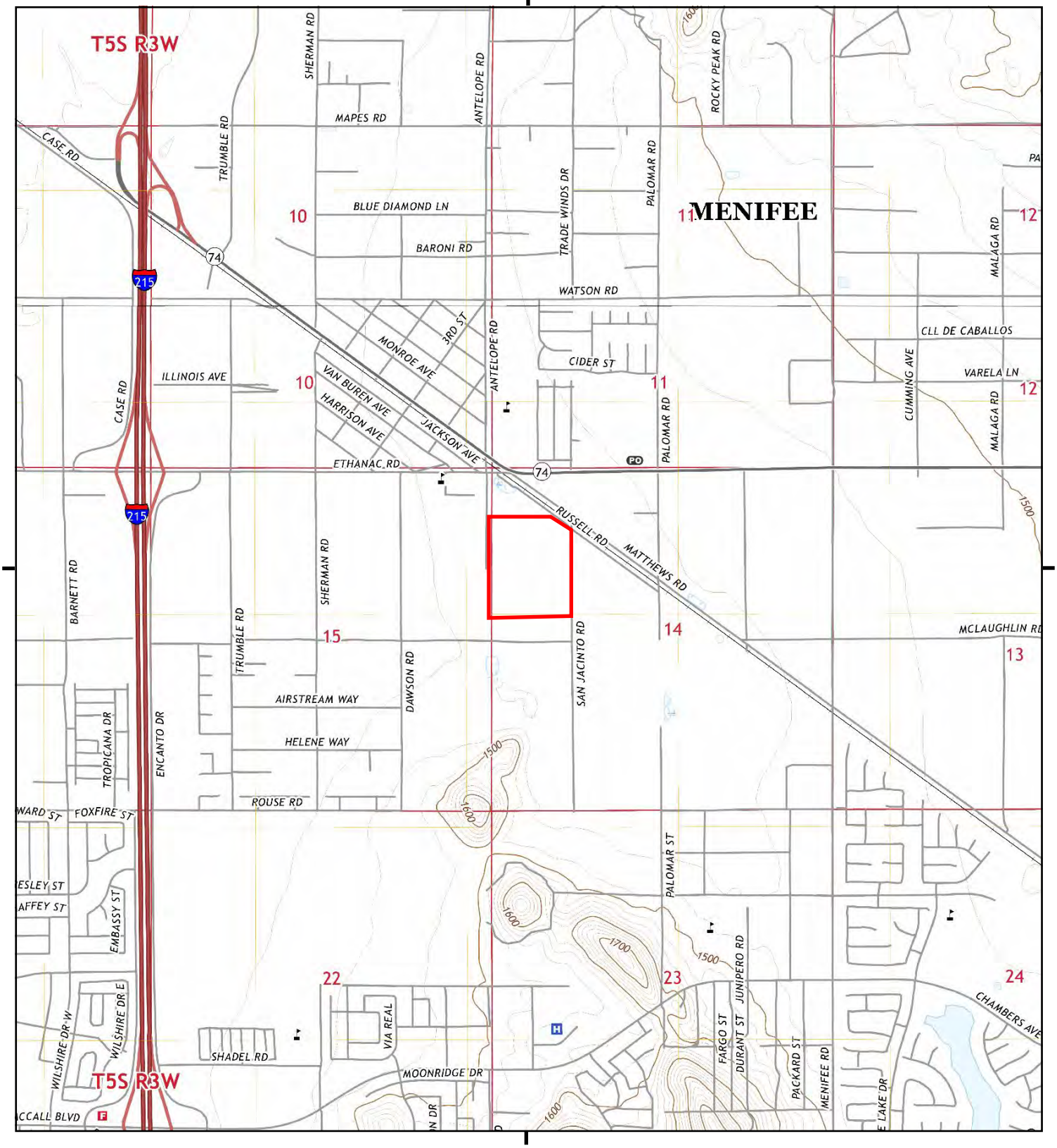
1901 Source Sheets



Elsinore
1901
30-minute, 125000

Historical Topo Map

2018



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

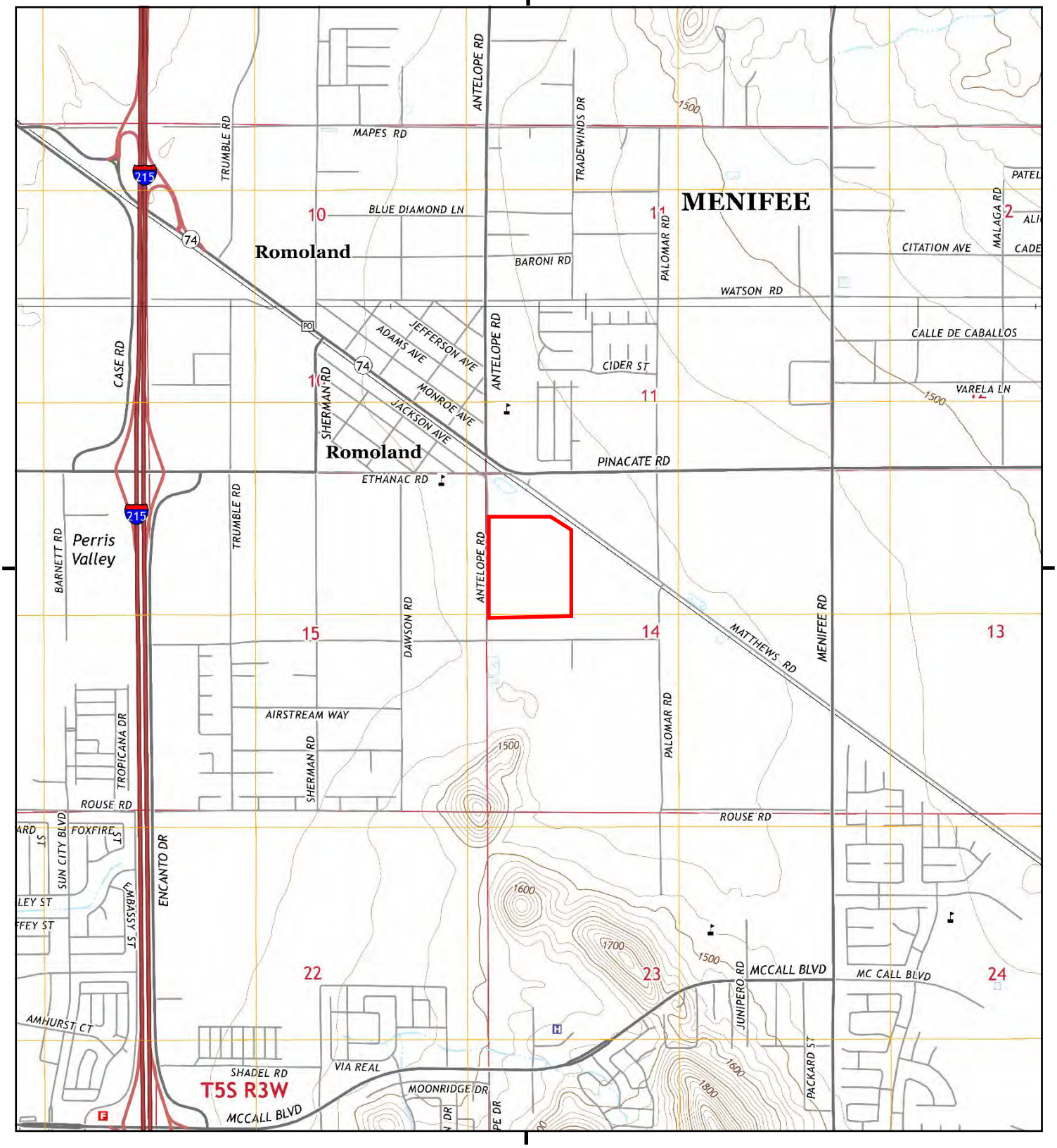
TP, Romoland, 2018, 7.5-minute
N, Perris, 2018, 7.5-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N

Historical Topo Map

2015



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

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NW N NE
W E
SW S SE

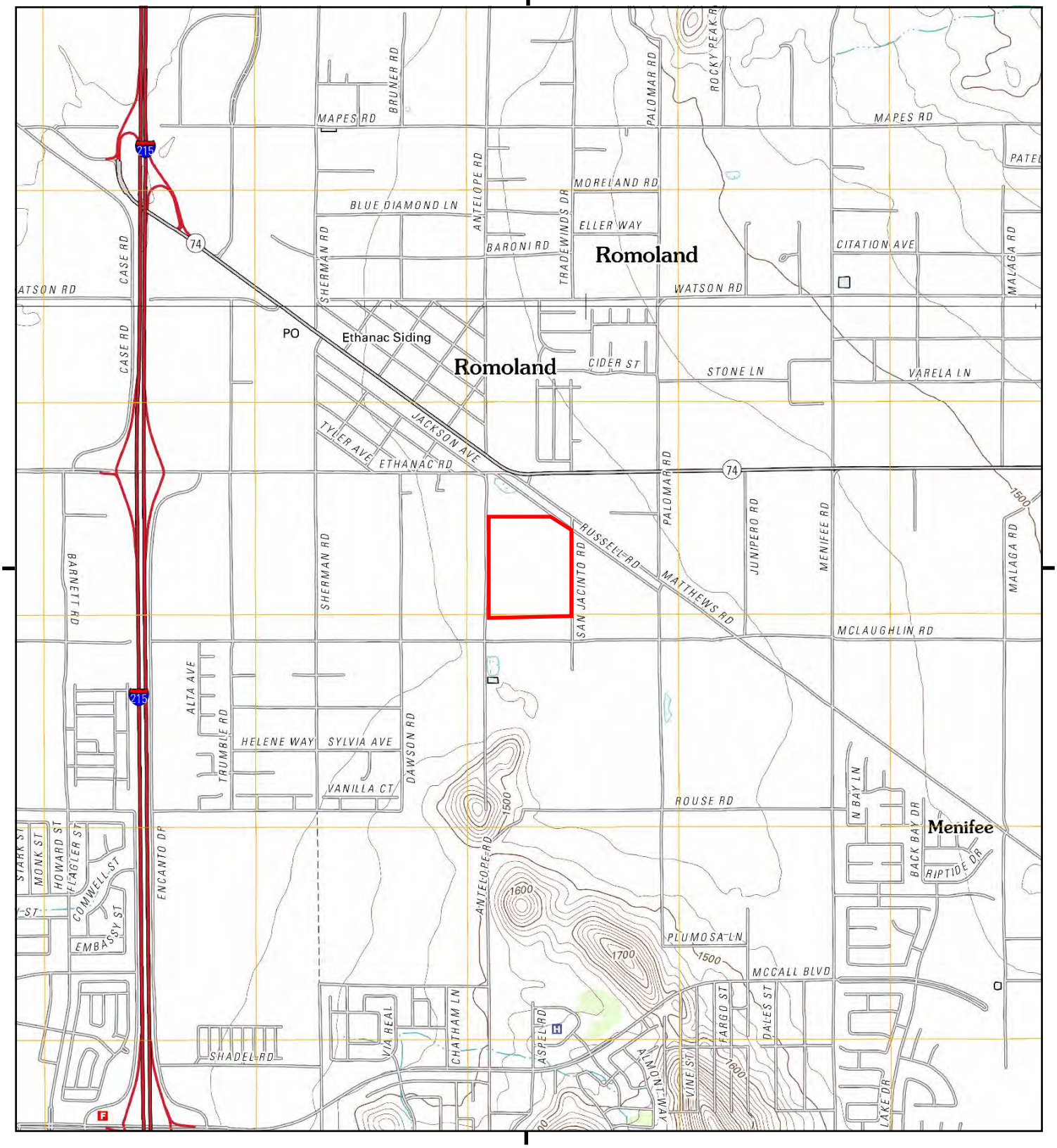
TP, Romoland, 2015, 7.5-minute
N, Perris, 2015, 7.5-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N

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

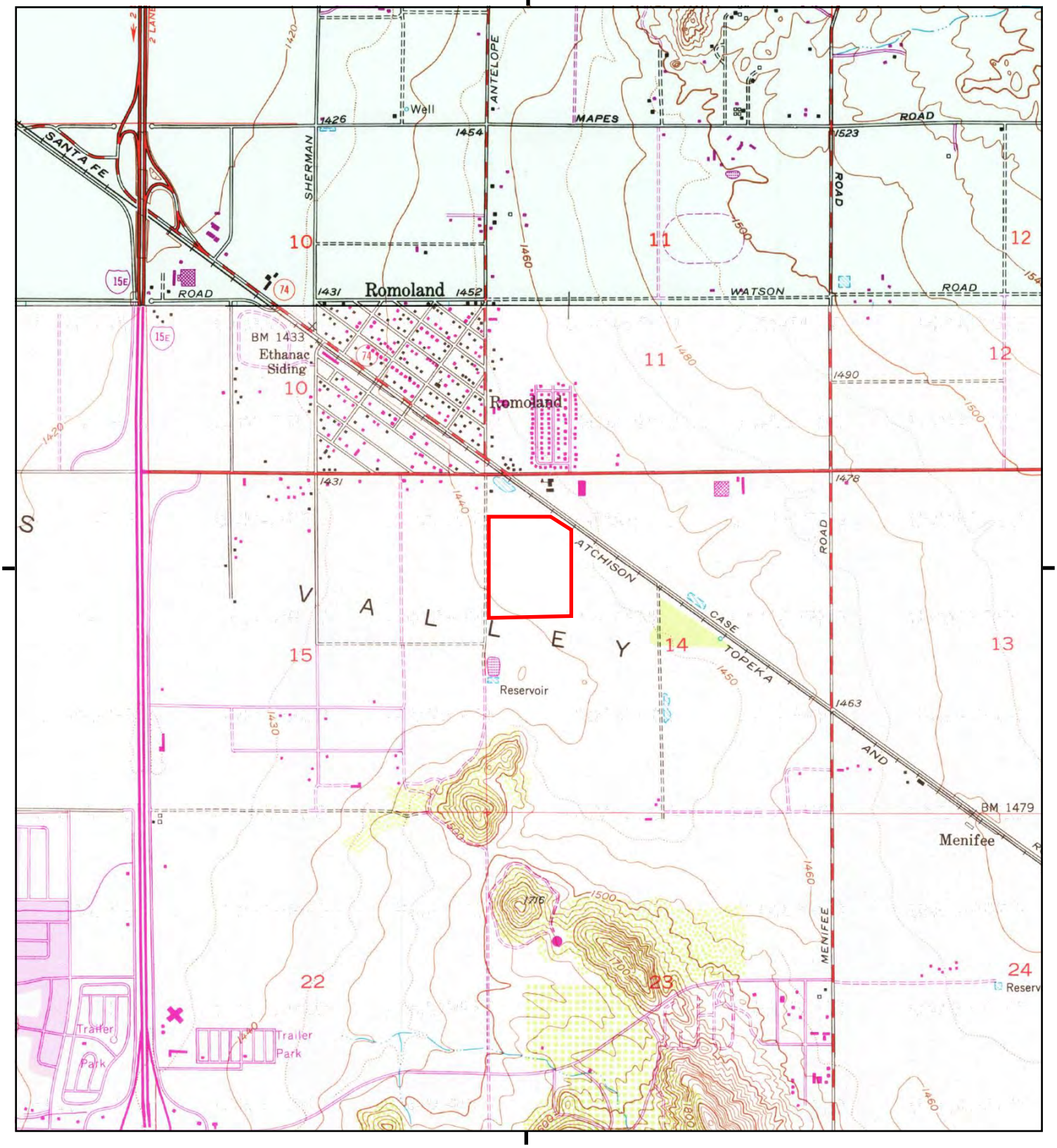
TP, Romoland, 2012, 7.5-minute
N, Perris, 2012, 7.5-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N

Historical Topo Map

1979



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

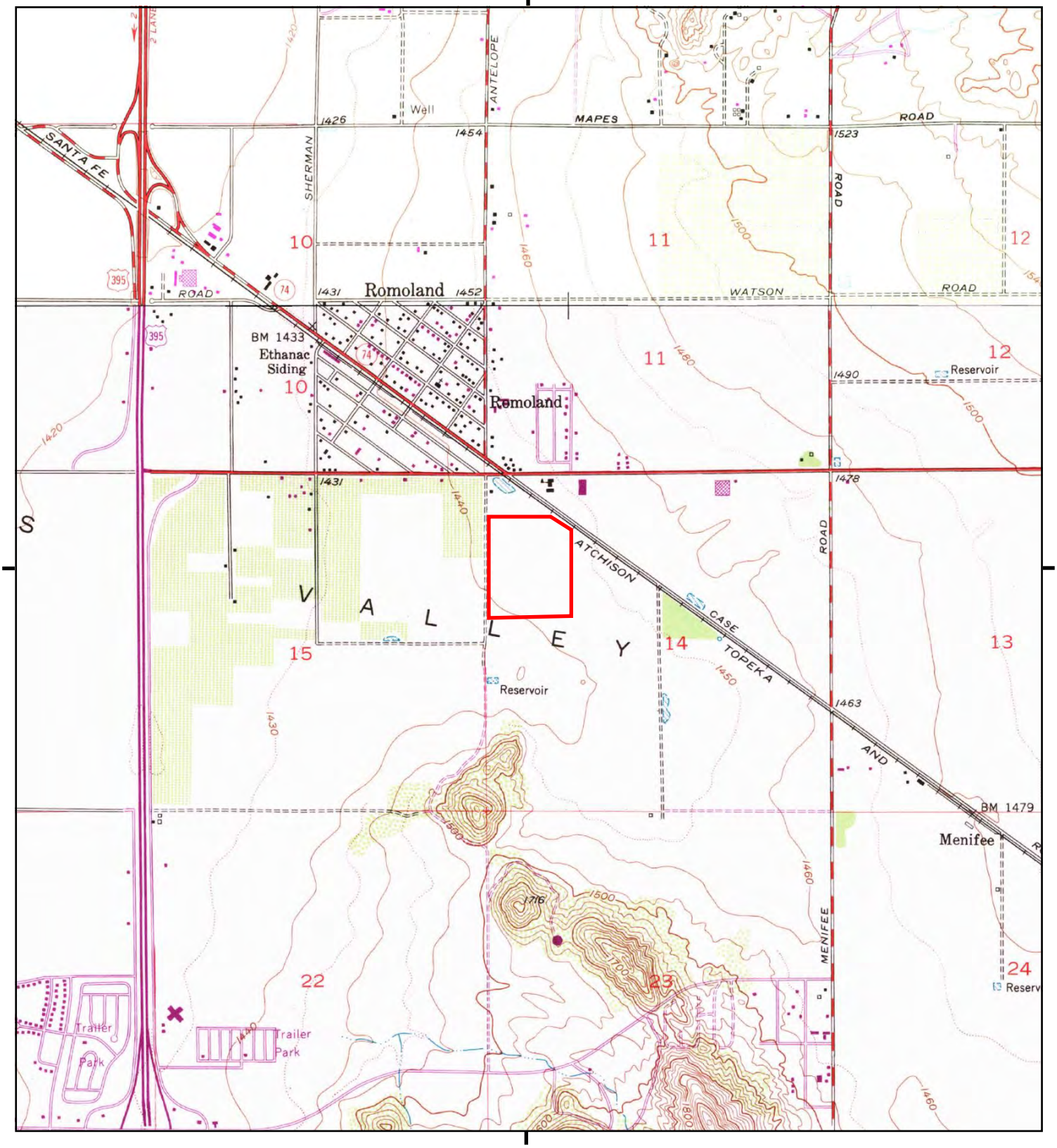
TP, Romoland, 1979, 7.5-minute
N, Perris, 1979, 7.5-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N

Historical Topo Map

1973



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

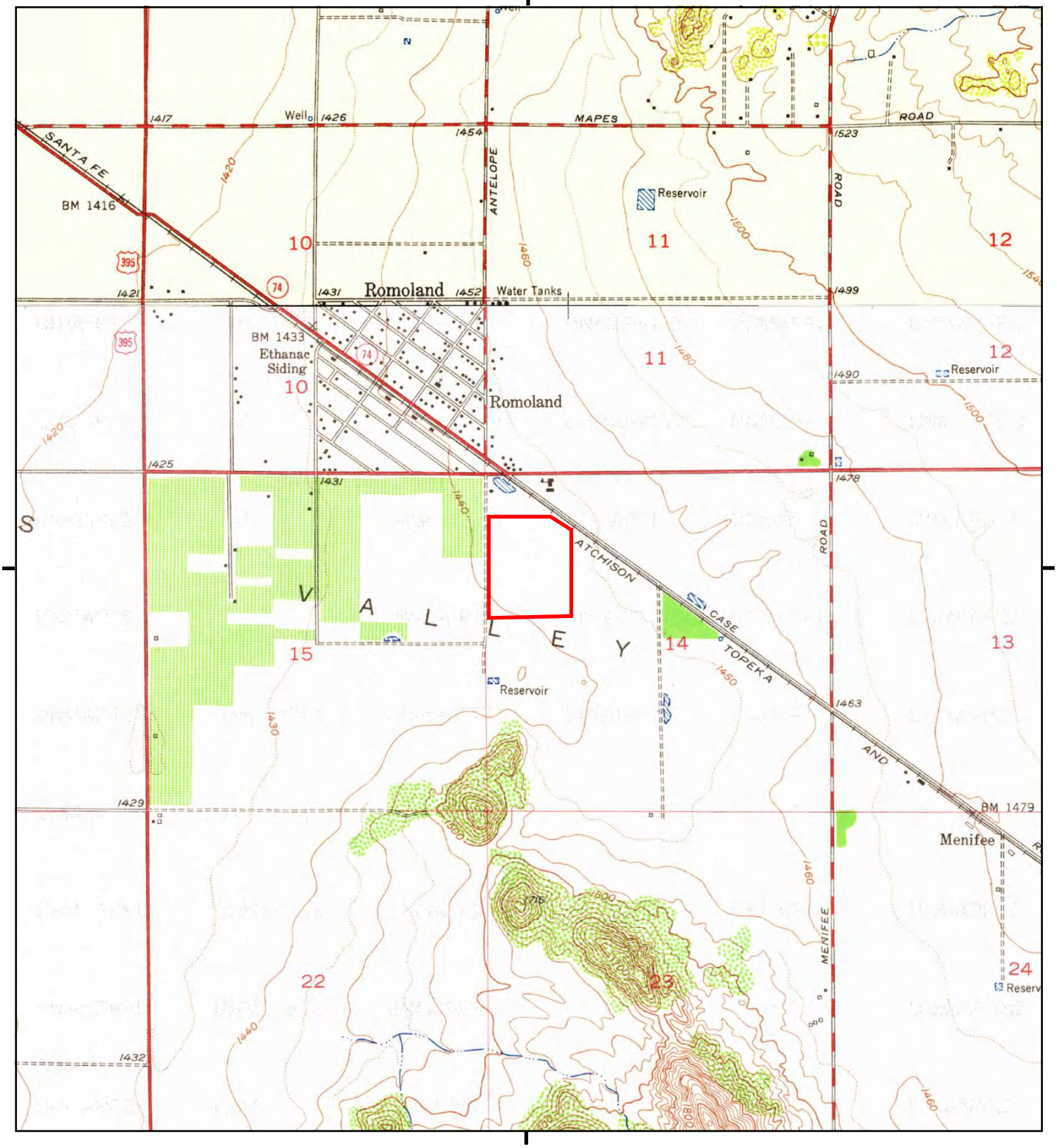
TP, Romoland, 1973, 7.5-minute
N, Perris, 1973, 7.5-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N

Historical Topo Map

1953



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

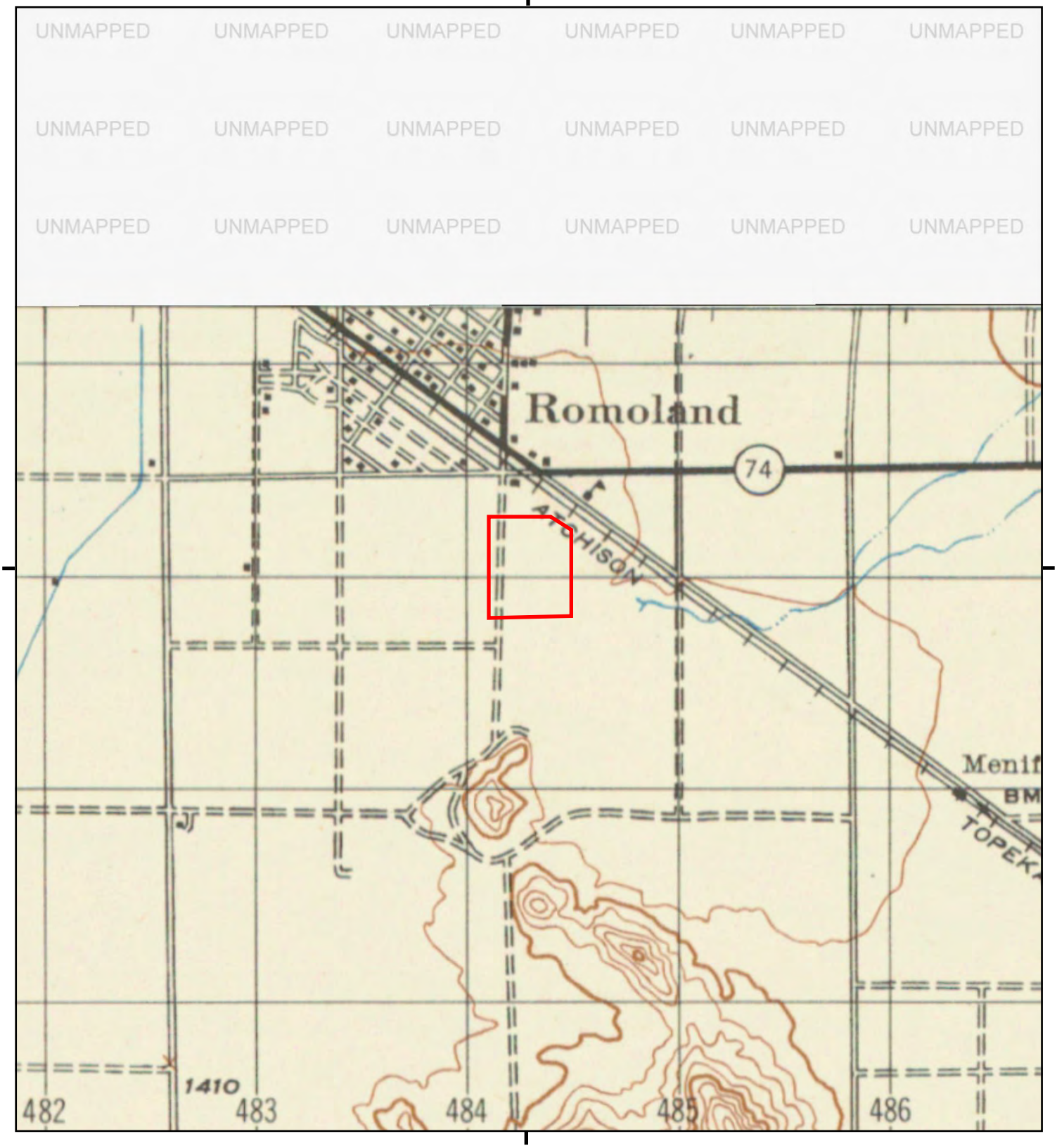
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Romoland, 1953, 7.5-minute
N, Perris, 1953, 7.5-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N



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

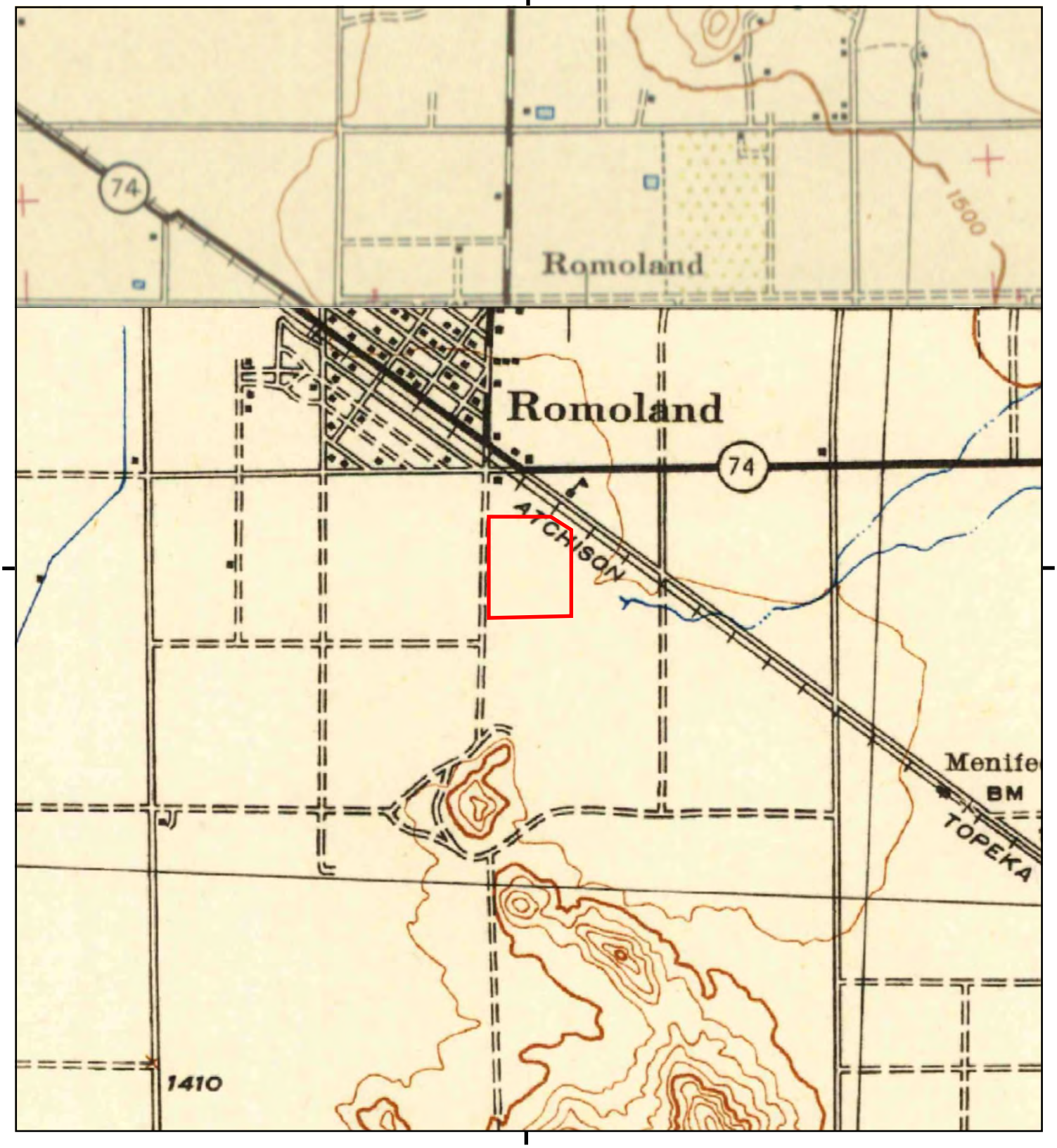
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, MURRIETA, 1947, 15-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N



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

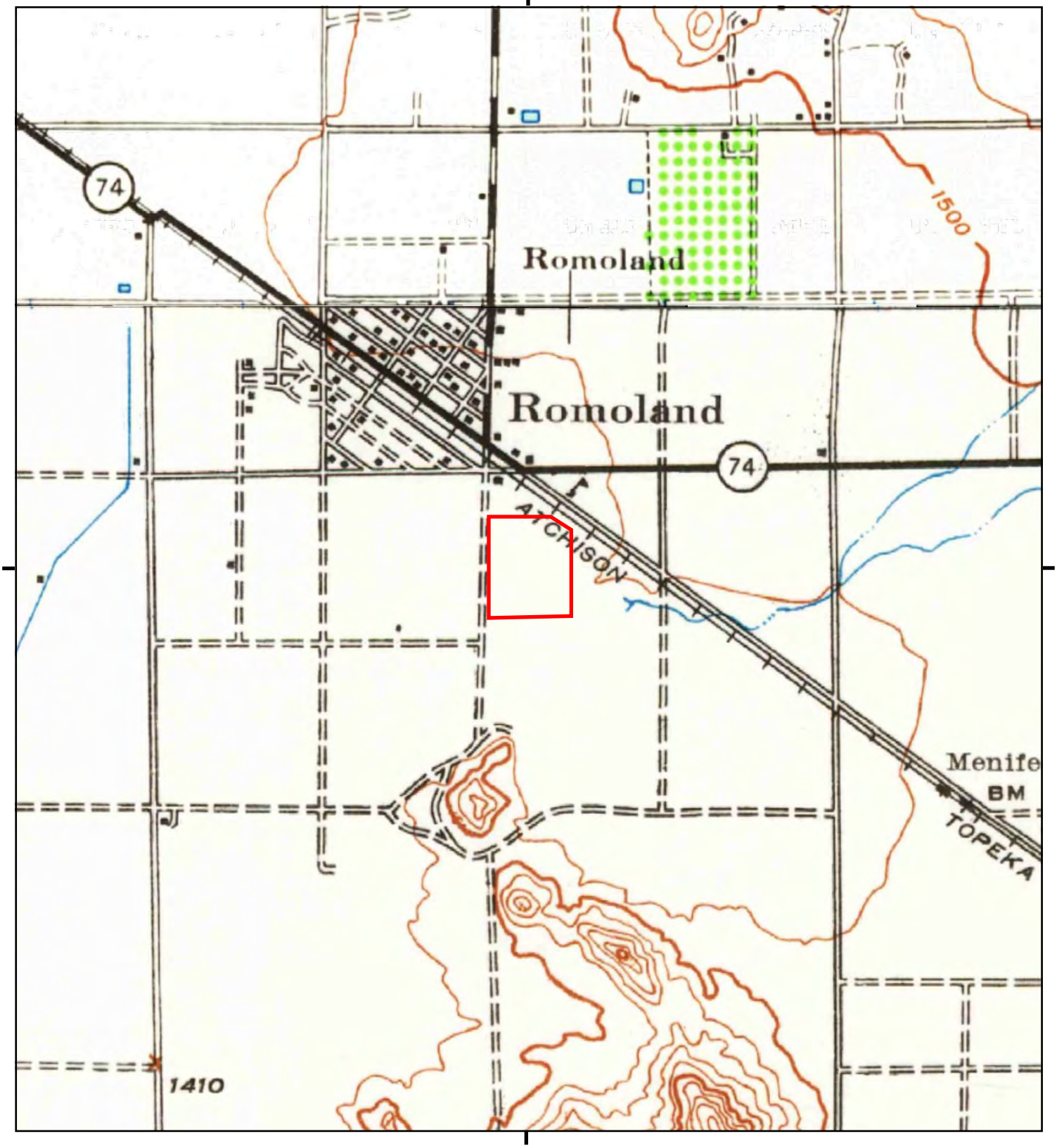
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Murrieta, 1943, 15-minute
N, PERRIS, 1943, 15-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N



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

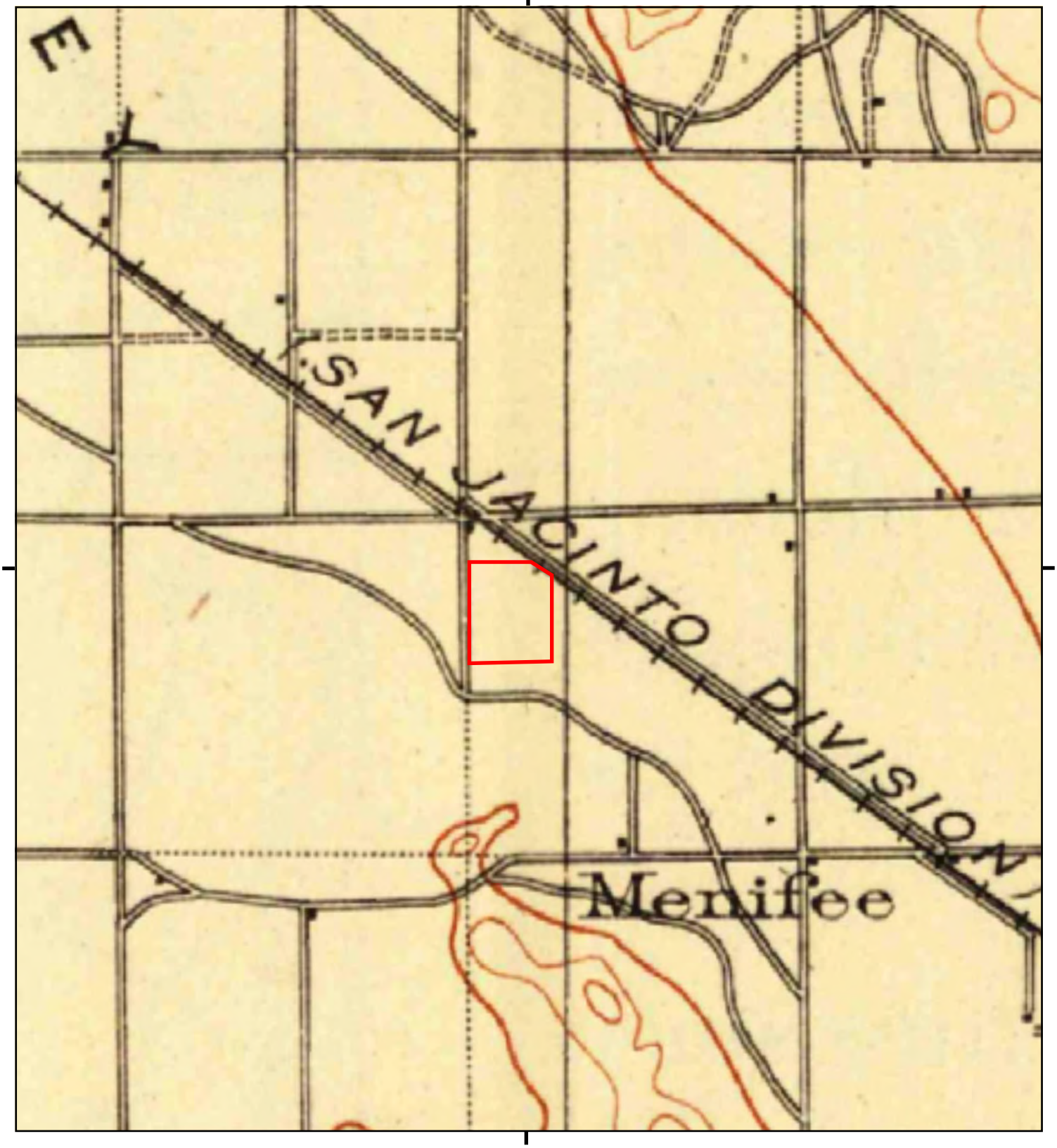
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Murrieta, 1942, 15-minute
N, Perris, 1942, 15-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N



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, Elsinore, 1901, 30-minute

SITE NAME: Calpine Menifee
ADDRESS: 26226 Antelope Road
Sun City, CA 92585
CLIENT: Terraphase Engineering Inc.

N

Appendix G

Building Permit Report

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585

Inquiry Number: 6948563.8
April 20, 2022

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

About This Report

Executive Summary

Findings

Glossary

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting 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), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Terraphase Engineering Inc. on Apr 20, 2022.

TARGET PROPERTY

26226 Antelope Road
Sun City, CA 92585

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Menifee

Year	*Source*	*TP*	*Adjoining*
2021	Building & Safety Department	X	
2020	Building & Safety Department		X
	Building & Safety Department	X	
2019	Building & Safety Department		
2018	Building & Safety Department		
2017	Building & Safety Department		X
2016	Building & Safety Department		
2015	Building & Safety Department		
2014	Building & Safety Department		X
2013	Building & Safety Department		
2012	Building & Safety Department		
2011	Building & Safety Department		

Riverside County

Year	*Source*	*TP*	*Adjoining*
2022	Riverside County, Building and Safety		
2021	Riverside County, Building and Safety		
2020	Riverside County, Building and Safety		
2019	Riverside County, Building and Safety		
2018	Riverside County, Building and Safety		
2017	Riverside County, Building and Safety		X
2016	Riverside County, Building and Safety		X
2015	Riverside County, Building and Safety		
2014	Riverside County, Building and Safety		
2013	Riverside County, Building and Safety		
2012	Riverside County, Building and Safety		X
2011	Riverside County, Building and Safety		
2010	Riverside County, Building and Safety		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
2009	Riverside County, Building and Safety		
2008	Riverside County, Building and Safety		
2007	Riverside County, Building and Safety		X
2006	Riverside County, Building and Safety		X
2005	Riverside County, Building and Safety		
2004	Riverside County, Building and Safety		
2003	Riverside County, Building and Safety		
2002	Riverside County, Building and Safety		
2001	Riverside County, Building and Safety		
2000	Riverside County, Building and Safety		X
1999	Riverside County, Building and Safety		
1998	Riverside County, Building and Safety		X
1997	Riverside County, Building and Safety		
1996	Riverside County, Building and Safety		
1995	Riverside County, Building and Safety		
1994	Riverside County, Building and Safety		
1993	Riverside County, Building and Safety		X
1992	Riverside County, Building and Safety		
1991	Riverside County, Building and Safety		X
1990	Riverside County, Building and Safety		X
1989	Riverside County, Building and Safety		X
1988	Riverside County, Building and Safety		
1987	Riverside County, Building and Safety		X
1986	Riverside County, Building and Safety		X
1985	Riverside County, Building and Safety		
1984	Riverside County, Building and Safety		
1983	Riverside County, Building and Safety		
1982	Riverside County, Building and Safety		
1981	Riverside County, Building and Safety		
1980	Riverside County, Building and Safety		
1979	Riverside County, Building and Safety		
1978	Riverside County, Building and Safety		
1977	Riverside County, Building and Safety		
1976	Riverside County, Building and Safety		
1975	Riverside County, Building and Safety		
1974	Riverside County, Building and Safety		
1973	Riverside County, Building and Safety		
1972	Riverside County, Building and Safety		
1971	Riverside County, Building and Safety		X
1970	Riverside County, Building and Safety		
1969	Riverside County, Building and Safety		
1968	Riverside County, Building and Safety		
1967	Riverside County, Building and Safety		
1966	Riverside County, Building and Safety		
1965	Riverside County, Building and Safety		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1964	Riverside County, Building and Safety		
1963	Riverside County, Building and Safety		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Riverside County
Years: 1963-2022
Source: Riverside County, Building and Safety, SUN CITY, CA
Phone: (951) 955-6742

Name: Menifee
Years: 2011-2021
Source: Building & Safety Department, Menifee, CA
Phone: 951-672-6777

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

26226 Antelope Road
Sun City, CA 92585

26226 ANTELOPE ROAD

Date:	**1/19/2021**
Permit Type:	**Commercial**
Description:	
Permit Description:	**Plumbing**
Work Class:	Commercial Plumbing
Proposed Use:	
Permit Number:	PMT21-00220
Status:	Issued
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	

Date:	**2/13/2020**
Permit Type:	**Commercial**
Description:	**DEMOLITION OF INLAND EMPIRE ENERGY CENTER UNITS 1 & 2 , COOLING TOWER OPERATIONAL COUTRY YARD & MISC STRUCTURES**
Permit Description:	**Demolition, Demolition, Commercial Demolition**
Work Class:	Commercial Demolition
Proposed Use:	
Permit Number:	PMT20-00546
Status:	Finaled, Issued
Valuation:	$2,000,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ANTELOPE RD

25887 ANTELOPE RD

Date:	**12/8/2016**
Permit Type:	**BRI**
Description:	**REQUEST FOR RECORDS**
Permit Description:	
Work Class:	
Proposed Use:	BUILDING RECORDS INQUIRY
Permit Number:	BRI161379
Status:	PAID
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**8/15/1991**
Permit Type:	**RCOM**
Description:	**DEMO SEPTIC/CONNECT TO SEWER**
Permit Description:	**REHAB COMMERCIAL**
Work Class:	
Proposed Use:	
Permit Number:	324500
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **6/26/1991**
Permit Type: ****
Description: **DEMO SEPTIC/CONNECT TO SEWER**

Permit Description: **HISTORICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 320838
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ETHANAC RD

27912 ETHANAC RD

Date: **4/9/2014**
Permit Type: **Residential**
Description: **WALL FURNACE CHANGE OUT**

Permit Description: **Mechanical, Residential Mechanical**
Work Class: Residential Mechanical
Proposed Use:
Permit Number: PMT14-00780
Status: Finaled
Valuation: $800.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **9/18/2000**
Permit Type: **ELEC**
Description: **CHANGEOUT FUSE BOX TO BREAKER BOX**

Permit Description: **ELECTRICAL WORK ONLY**
Work Class:
Proposed Use:
Permit Number: BEL001065
Status: FINAL
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/7/1990**
Permit Type: ****
Description: **SEWER CONN/DEMO SEPTIC**

Permit Description: **HISTORICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 274582
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

27915 ETHANAC RD

Date: **11/5/2020**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Commercial Electrical
Proposed Use:
Permit Number: PMT20-05004
Status: Issued
Valuation: $8,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **4/30/1990**
Permit Type: ****
Description: **SEWER CONN/DEMO SEPTIC**

Permit Description: **HISTORICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 282236
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **5/28/1987**
Permit Type: ****
Description: **WAREHOUSE SHELL 40X80**

Permit Description: **HISTORICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 152394
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **5/14/1987**
Permit Type: ****
Description: **REINSPECTION-MH INST**

Permit Description: **HISTORICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 158112
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **5/14/1987**
Permit Type: **NMH**
Description: **MH INSTALLATION**

Permit Description: **NEW MOBILE HOME**
Work Class:
Proposed Use:
Permit Number: 158113
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **5/12/1987**
Permit Type: **NMH**
Description: **MH INSTALLATION-840 SQ FT**

Permit Description: **NEW MOBILE HOME**
Work Class:
Proposed Use:
Permit Number: 157876
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **2/27/1987**
Permit Type: **NMH**
Description: **MOBILE HOME SITE PREP 10X45**

Permit Description: **NEW MOBILE HOME**
Work Class:
Proposed Use:
Permit Number: 151163
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

JACKSON AVE

27960 JACKSON AVE

Date:	**12/8/2020**
Permit Type:	**Residential**
Description:	
Permit Description:	**Electrical**
Work Class:	Residential Electrical
Proposed Use:	
Permit Number:	PMT20-05579
Status:	Finaled
Valuation:	$1,200.00
Contractor Company:	
Contractor Name:	

Date:	**12/12/1986**
Permit Type:	****
Description:	**SPEC INSP ELEC SAFETY (SECURITY LIGHTING)**
Permit Description:	**HISTORICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	145127
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

US HIGHWAY 74

27966 US HIGHWAY 74

Date:	**10/29/2012**
Permit Type:	**BRI**
Description:	**REQUEST FOR RECORDS**
Permit Description:	
Work Class:	
Proposed Use:	BUILDING RECORDS INQUIRY
Permit Number:	BRI120473
Status:	PAID
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**5/12/1993**
Permit Type:	**MOVE**
Description:	**DEMO SEPTIC AND CONNECT TO SEWER**
Permit Description:	
Work Class:	
Proposed Use:	
Permit Number:	359185
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

28050 US HIGHWAY 74

Date:	**3/12/2007**
Permit Type:	**DEMO**
Description:	**DEMO DWELLING AND CAP SEWER**
Permit Description:	**DEMOLITION PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	BDE070040
Status:	FINAL
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/7/2006**
Permit Type:	**DEMO**
Description:	**DEMO 500SF GARAGE/1200SF MINI MARKET/SFR1200SF**
Permit Description:	**DEMOLITION PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	BDE060083
Status:	EXPIRED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

VAN BUREN AVE

27872 VAN BUREN AVE

Date:	**9/6/2017**
Permit Type:	**Residential**
Description:	**ROOM ADDITION OF xx SQ. FT TO EXISTING 780 SQ FT MOBILE HOME**
Permit Description:	**Addition, Residential Addition**
Work Class:	Residential Addition
Proposed Use:	
Permit Number:	PMT17-03141
Status:	Plan Review
Valuation:	$7,500.00
Contractor Company:	
Contractor Name:	

Date:	**7/3/2017**
Permit Type:	**BRI**
Description:	**REQUEST FOR RECORDS**
Permit Description:	
Work Class:	
Proposed Use:	BUILDING RECORDS INQUIRY
Permit Number:	BRI170743
Status:	PAID
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **12/24/1998**
Permit Type: **NMH**
Description: **MOBILEHOME INSTALLATION**

Permit Description: **NEW MOBILE HOME**
Work Class:
Proposed Use:
Permit Number: BMR981309
Status: FINAL
Valuation: $0.00
Contractor Company:
Contractor Name: Lopez Vicente

Date: **10/1/1998**
Permit Type: **SP**
Description: **MOBILEHOME SITE PREP**

Permit Description: **SITE PREPARATION**
Work Class:
Proposed Use:
Permit Number: BMR981308
Status: FINAL
Valuation: $0.00
Contractor Company:
Contractor Name: Lopez Vicente

Date: **10/1/1998**
Permit Type: **PF**
Description: **PERM FOUNDATION TO MH**

Permit Description: **PERMANENT FOUNDATION**
Work Class:
Proposed Use:
Permit Number: BMR981310
Status: FINAL
Valuation: $0.00
Contractor Company:
Contractor Name: Lopez Vicente

ADJOINING PROPERTY FINDINGS

27888 VAN BUREN AVE

Date:	**10/27/1989**
Permit Type:	********
Description:	**DEMO SEPTIC/CONN TO SEWER**
Permit Description:	**HISTORICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	259235
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

27894 VAN BUREN AVE

Date:	**8/25/2020**
Permit Type:	**Residential**
Description:	**STRIP 3 LAYERS OF EXISTING COMP SHINGLES, RE PLACE 14 SQUARES WITH NEW OAKRIDGE AMBER CAMP SHINGLES CRRC# 0890-0009.PARCEL REROOF FOR FUTURE SOLAR PANEL ISTALLATION 1400 SQ FT.**
Permit Description:	**Re-Roof, Residential Re-Roof**
Work Class:	Residential Re-Roof
Proposed Use:	
Permit Number:	PMT20-03442
Status:	Issued
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **7/23/2020**
Permit Type: **Residential**
Description:

Permit Description: **Solar**
Work Class: Solar - Residential
Proposed Use:
Permit Number: PMT20-02997
Status: Finaled
Valuation: $14,500.00
Contractor Company:
Contractor Name:

Date: **7/23/2020**
Permit Type: **Residential**
Description: **INSTALL NEW SERVICE PANEL 200 AMP MAIN WITH 200 AMP BUS**

Permit Description: **Alteration, Residential Alteration**
Work Class: Residential Alteration
Proposed Use:
Permit Number: PMT20-02999
Status: Finaled
Valuation: $4,000.00
Contractor Company:
Contractor Name:

Date: **11/8/1989**
Permit Type: ****
Description: **SEWER HOOK UP/DEMO SEPTIC**

Permit Description: **HISTORICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 260743
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **1/25/1971**
Permit Type:
Description: **VOID (DWELLING & ATTACHED GARAGE)**

Permit Description:
Work Class:
Proposed Use:
Permit Number: BZ188913
Status: VOID
Valuation: $0.00
Contractor Company:
Contractor Name:

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Appendix H

Fire Insurance Maps – No Coverage Certification

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585

Inquiry Number: 6948563.3
April 20, 2022

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

04/20/22

Site Name:

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585
EDR Inquiry # 6948563.3

Client Name:

Terraphase Engineering Inc.
1300 Clay Street Suite 1000
Oakland, CA 94612
Contact: Vanya Keyes

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

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Certified Sanborn Results:

Certification # 5F87-4E64-9843

PO # 0027.008.001

Project Calpine Menifee

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 5F87-4E64-9843

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

The Sanborn Library LLC Since 1866™

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Appendix I

Prior Reports and Relevant Documentation

DOCKETED	
Docket Number:	01-AFC-17C
Project Title:	Inland Empire Energy Center Project Compliance
TN #:	228806
Document Title:	Inland Empire Energy Center Decommissioning and Demolition Plan
Description:	N/A
Filer:	Paul Kihm
Organization:	Latham & Watkins LLP
Submitter Role:	Applicant Representative
Submission Date:	6/20/2019 3:04:54 PM
Docketed Date:	6/20/2019



ATC
—AN ATLAS COMPANY—

GE POWER

Inland Empire Energy Center

Decommissioning and Demolition Plan

ATC Group Services LLC
National Programs
Power and Industrial Sector
25 Cupania Circle
Monterey Park, CA 91755

Inland Empire Energy Center

Decommissioning and Demolition Plan

Submitted to the

California Energy Commission

Prepared by

Inland Empire Energy Center, LLC

June 19, 2019

Docket No. 01-AFC-17C

CONTENTS

1.0 EXECUTIVE SUMMARY 1

1.1 Project Overview and Decommissioning Requirement 1
1.2 Decommissioning and Demolition Proposal 3
1.3 Environmental Considerations 3

2.0 DECOMMISSIONING AND DEMOLITION PLAN ORGANIZATION AND CONTENTS 8

3.0 EXISTING CONDITIONS 9

3.1 Introduction 9
3.2 Location of Facilities 9
3.3 Site Description 9
3.4 Power Generating Facility 9
3.5 Fuel Supply System 10
3.6 Diesel Fuel 10
3.7 Electric Transmission Interconnection 10
3.8 Water Supply 10
3.9 Wastewater and Waste Management 10
3.10 Workforce 11

4.0 DECOMMISSIONING AND DEMOLITION PLAN 14

4.1 Overview 14
4.2 Disposition of Major Project Components 18
4.3 Natural Gas Interconnection 21
4.4 Electric Transmission Interconnection 21
4.5 Water Supply 21
4.6 Wastewater 21
4.7 Other Waste 21
4.8 Workforce 22
4.9 Equipment Requirements 22
4.10 Roads 23
4.11 Security 23
4.12 Schedule 23

4.13 Implementation of Decommissioning and Demolition Activities 25
4.14 Implementation of the Compaction Plan 27
4.15 Implementation of the Final Grading Plan 27
4.16 Implementation of the Demobilization and Post-Construction Plan28

5.0 PROJECT STAFFING – KEY POSITIONS 28

5.1 Minimum Functional Requirements / Responsibilities 28

5.1.1 Project Manager 28
5.1.2 Site Supervisor 29
5.1.3 Site HSE Manager 29
5.1.4 Site Quality Assurance Officer 29
5.1.5 Air Quality Supervisor 30

6.0 LORS CONFORMANCE AND IMPACT ASSESSMENT 31

6.1 Introduction to the Environmental Resource Sections 31

6.2 Air Quality and Greenhouse Gases 31

6.2.1 Background 32
6.2.2 Applicable LORS and Required Permits 32
6.2.3 LORS Conformance and Impact Assessment 32
6.2.4 Proposed Conditions 41

6.3 Public Health 42

6.3.1 Background 42
6.3.2 Applicable LORS and Required Permits 43
6.3.3 LORS Conformance and Impact Assessment 43
6.3.4 Proposed Conditions 43

6.4 Hazardous Materials Management 43

6.4.1 Background 43
6.4.2 Applicable LORS and Required Permits 44
6.4.3 LORS Conformance and Impact Assessment 46
6.4.4 Proposed Conditions 50

6.5 Waste Management 51

6.5.1 Background 51
6.5.2 Applicable LORS and Required Permits 52
6.5.3 LORS Conformance and Impact Assessment 55
6.5.4 Proposed Conditions 64

6.6 Worker Safety and Fire Protection 66

6.6.1 Background 66
6.6.2 Applicable LORS and Required Permits 66
6.6.3 LORS Conformance 69

6.6.4 Proposed Conditions 74
6.7 Biological Resources 76
6.7.1 Background 76
6.7.2 Conditions of Certification and Mitigation Measures 85
6.7.3 Applicable LORS and Required Permits 86
6.7.4 LORS Conformance and Impact Assessment 86
6.7.5 Proposed Conditions 92
6.8 Cultural Resources 92
6.8.1 Background 92
6.8.2 Applicable LORS and Required Permits 93
6.8.3 LORS Conformance and Impact Assessment 94
6.8.4 Proposed Conditions 94
6.9 Soil and Water Resources 95
6.9.1 Geology and Soils 95
6.9.2 Storm Water 96
6.9.3 Dust Control 98
6.9.4 Applicable LORS and Required Permits 98
6.9.5 LORS Conformance and Impact Assessment 100
6.9.6 Proposed Conditions 101
6.10 Geology and Paleontology 101
6.10.1 Background 102
6.10.2 Applicable LORS and Required Permits 103
6.10.3 LORS Conformance and Impact Assessment 104
6.10.4 Proposed Conditions 104
6.11 Land Use 104
6.11.1 Background 104
6.11.2 Applicable LORS and Required Permits 106
6.11.3 LORS Conformance and Impact Assessment 108
6.11.4 Proposed Conditions 109
6.12 Noise 109
6.12.1 Background 109
6.12.2 Applicable LORS and Required Permits 110
6.12.3 LORS Conformance and Impact Assessment 110
6.12.4 Proposed Conditions 114
6.13 Socioeconomics 114
6.13.1 Background 114
6.13.2 Applicable LORS and Required Permits 115
6.13.3 LORS Conformance and Impact Assessment 115
6.13.4 Proposed Conditions 126
6.14 Traffic and Transportation 126

6.14.1 Background 127
6.14.2 Applicable LORS and Required Permits....127
6.14.3 LORS Conformance and Impact Assessment....128
6.14.4 Proposed Conditions....131
6.15 Visual Resources....131
6.15.1 Background....131
6.15.2 Applicable LORS and Required Permits....133
6.15.3 LORS Conformance and Impact Assessment....134
6.15.4 Proposed Conditions....134

APPENDIX A AIR QUALITY AND GREENHOUSE GAS CALCULATIONS

APPENDIX B PHASE I ENVIRONMENTAL SITE ASSESSMENT W/O APPENDICES

APPENDIX C SOCIOECONOMIC/MONTHLY LABOR FORCE DATA

List of Tables

Table ES-1 Summary of Environmental Considerations....4

Table 4.2-1 Summary of Decommissioning Approach....18

Table 4.9-1 Demolition and Removal Equipment Use....22

Table 6.2-1 LORS Applicable to Air Quality....32

Table 6.2-2 Comparison of Demolition Emissions with Construction Emissions....38

Table 6.2-3 Comparison of Demolition Criteria Pollutant Emissions with Maximum Annual Operating Emissions....39

Table 6.2-4 Comparison of Demolition Emissions with 2018 Operational Emissions....39

Table 6.2-5 Comparison of Demolition Greenhouse Gas Emissions with Operations during 2017....40

Table 6.4-1 LORS Applicable to Hazardous Materials....44

Table 6.4-2 Operational Hazardous Materials to be Removed Prior to or During Decommissioning....46

Table 6.4-3 Hazardous Materials Present During Decommissioning and Demolition Activities....49

Table 6.5-1 LORS Applicable to Waste Management....52

Table 6.5.2 Required Permits for Waste Management....54

Table 6.5-3 Summary of Decommissioning and Demolition Waste Streams and Management Methods....55

Table 6.5-4 Non-Hazardous Solid Waste Disposal Facilities....63

Table 6.5-5 Hazardous Waste Treatment, Storage, and Disposal Facilities....64

Table 6.6-1 LORS Applicable to Worker Safety and Fire Protection....67

Table 6.6-2 Decommissioning Permit Requirements....68

Table 6.6-3 Demolition and Site Clean-up Hazard Analysis....71

Table 6.6-4 Typical Safety Training Courses....75

Table 6.7-1 Species with Potential to Occur....78

Table 6.7-2 LORS Applicable to Biological Resources....87

Table 6.8-1 LORS Applicable to Cultural Resources....93

Table 6.9.1 LORS Applicable to Soil and Water Resources....99

Table 6.10-2 LORS Applicable to Geological and Paleontological Resources....103

Table 6.11-1 LORS Applicable to Land Use....106

Table 6.12-1 LORS Applicable to Noise....110

Table 6.12-2 Construction/Demolition Equipment Noise Levels....112

Table 6.13-1 Study Area Population Counts 2010 Census....117

Table 6.13-2 Study Area Housing Estimates, 2010 Census (Extrapolated)....118

Table 6.13-3 Local Labor Pool by Craft Riverside Region, 2018....118

Table 6.13-4 Preliminary Labor Force and Unemployment Rates, March 2019....119

Table 6.13-5 Riverside County and City of Menifee Expenses and Revenues for FY2017....121

Table 6.13-6 Environmental Justice Characteristics....122

Table 6.14-1 LORS Applicable to Transportation 127

Table 6.14-2 Level of Service Criteria for Riverside County Roadways and Intersections 130

Table 6.16-1 LORS Applicable to Visual Resources 133

List of Figures

Figure 3-1 Project Regional Location 12

Figure 3-2 Project Site Plan 13

Figure 4-1 Project Components to Remain in Place 17

Figure 4-2 Project Decommissioning and Demolition Schedule 24

1.0 EXECUTIVE SUMMARY

1.1 Project Overview and Decommissioning Requirement

The Inland Empire Energy Center (Project) is an existing natural gas-fired, combined-cycle generating facility located in Riverside County, California. The Project is owned and operated by Inland Empire Energy Center, LLC (IEEC), which is an indirectly wholly-owned subsidiary of General Electric Company. At the time the Application for Certification was filed, the project site was located in an unincorporated area of Riverside County near the town of Romoland[1]. The project site has since been annexed into the City of Menifee, which is located approximately 30 miles southeast of the City of Riverside (Project Site).

The Project was permitted by the California Energy Commission (CEC) on December 17, 2003.[2] Commercial operation began in June of 2009 with Unit 1. Operation of Unit 2 followed in May 2010. In addition to the CEC license, IEEC also holds the following permits and agreements for operation of the Project:

- Non-Reclaimable Wastewater Service Agreement by and between Eastern Municipal Water District (EMWD) and IEEC, effective August 22, 2005.
- Recycled Water and Supplemental Raw Water Service Agreement No. 05-07 by and between EMWD and IEEC, effective June 14, 2005.
- South Coast Air Quality Management District (SCAQMD) Title V Permit to Operate, Facility ID No. 129816, effective July 1, 2018.
- United States Environmental Protection Agency (USEPA) Hazardous Waste Generator Identification Number, Facility ID: 1000-0019-9741.

The Project supplies electricity to the California Independent System Operator (CAISO) on a merchant basis. The Project sells both Local and System Resource Adequacy (RA) and bids daily into the merchant energy markets. The Project has RA commitments through December 31, 2019, which are served by Unit 1. Unit 2 at the Project has been mothballed since March 2017, based on economic considerations. IEEC has decided to cease operation of the entire Project as of December 31, 2019. The decision to retire the IEEC was based on the following primary commercial conditions:

- The plant was designed with the intent of base-load operations, hence the single-shaft design. The plant is highly efficient but is not designed for the needs of the evolving California market, which requires fast start capabilities to satisfy peak demand periods.

[1] Application for Certification for Inland Empire Energy Center, Docket No. 01-AFC-17, August 17, 2001 (AFC).

[2] CEC, Commission Decision, Application for Certification for Inland Empire Energy Center, Docket No. 01-AFC-17, December 17, 2003 (Commission Decision).

- When designed, the 7H was expected to have a similar installed base as its predecessor the 7FA, which numbers in the hundreds of units. This market condition did not develop and has resulted in an orphan technology installation at IEEC. Due to this condition, support costs (e.g. parts, engineering, etc.) of the unit have increased rapidly due to loss of scale economics. Due to its orphan nature, O&M costs for the 7H are 2-2.5x the O&M costs of a 7FA. . GE Power will no longer support the 7H units, including the manufacture of replacement parts.

- Retrofit of the IEEC to enhance flexibility is not economically feasible owing to a variety of market and regulatory factors that may preclude California utilities or CCAs from purchasing energy from fossil fuel plants. Despite an improving Capacity market, without a guaranteed energy revenue stream, the retrofit of IEEC could not be funded.

- The current Title V operating permit limits the start/shut-down hours to 31 hours/unit/month. In order to support the current market need for fast start and/or peaking operations that air permit condition would have required significant modification. Modifications to allow for daily or multiple daily starts in the SCAQMD would have resulted in a significant increase in total emissions.

Upon approval of the activities described in this Decommissioning and Demolition Plan (Plan), the power plant and other facilities will be decommissioned, demolished and removed and the CEC license terminated.

Effective February 1, 2019, IEEC entered into an agreement to sell the Project Site and certain assets associated therewith, to Nova Power, LLC (Nova), for the purpose of developing a battery energy storage system (BESS) on the Project Site. IEEC will continue to hold the CEC license and be responsible for compliance with the CEC's Conditions of Certification (COC) until decommissioning is completed and the CEC has released jurisdiction over the Project Site. IEEC will be responsible for implementing this Plan. IEEC has retained ATC Group Services, LLC (ATC) as its contractor to assist with implementing this Plan. Nova will not take possession of the site or associated equipment until decommissioning is complete and the CEC license is terminated. Nova will obtain any required land use and environmental permits from the appropriate local or state agencies for development and operation of the BESS.

The Commission Decision granting the CEC license requires IEEC to prepare and submit a plan for review and approval prior to undertaking facility closure. The objectives of the plan are to:

- Identify and discuss any impacts and mitigation to address significant adverse impacts associated with proposed closure activities and to address facilities, equipment, or other project related remnants that will remain at the site.

- Identify a schedule of activities for closure of the power plant site, transmission line corridor, and all other appurtenant facilities constructed as part of the project.
- Identify any facilities or equipment intended to remain on site after closure, the reason, and any future use.
- Address conformance of the plan with all applicable laws, ordinances, regulations, standards, local/regional plans in existence at the time of facility closure, and applicable conditions of certification.[3]

CEC regulations do not establish a specific process for review and approval of decommissioning plans; instead, the CEC processes a proposed decommissioning plan as a Post-Certification Amendment to the Commission Decision in accordance with Title 20, California Code of Regulations, Section 1769. The contents of this Plan address the requirements set forth in both the Commission Decision on the Project, and the content requirements for a Petition to Amend set forth in Section 1769(a)(1).

1.2 Decommissioning and Demolition Proposal

Decommissioning and demolition of the Project involves liquidation of equipment of no interest to Nova, removing regulated materials, disconnecting utilities and electric supply, dismantling/demolishing the power plant and associated facilities not retained by Nova, recycling components and materials to the extent possible, hauling off and disposing of the remaining waste, and establishing final grade at the Project Site. It is anticipated that these activities will take approximately twelve (12) months to complete, with certain planning, valuation and equipment marketing activities scheduled prior to Plan approval and Unit 1 retirement. Once decommissioning and demolition are complete, the Project Site, and certain related assets, will be transferred to Nova for future industrial use.

1.3 Environmental Considerations

Prior to construction of the Project, the Project Site was highly disturbed cultivated agricultural land used for growing wheat. Currently, the Project Site and its surroundings are heavily disturbed and have been used for industrial purposes for power generation. The decommissioning and demolition consists of the retirement and removal of an operating power generation facility previously approved by CEC for construction and operation. Analysis of the decommissioning and demolition proposal shows that the planned activities will comply with all applicable laws, ordinances, regulations and standards (LORS) and will not result in any significant adverse environmental impacts.

Table ES-1 provides a summary of the environmental considerations associated with decommissioning and demolition and recommended conditions.

[3] Commission Decision, pp. 39-40.

Table ES-1 Summary of Environmental Considerations

TECHNICAL AREA	COMPLIES WITH EXISTING APPLICABLE LORS?	POTENTIAL FOR SIGNIFICANT ADVERSE IMPACTS?	PROPOSED CONDITIONS
Air Quality and Greenhouse Gases	Complies with all applicable air quality LORS. There are no applicable greenhouse gas emission LORS specific to demolition. No new permits are required	There are no significant potential impacts. Emissions during decommissioning and demolition are significantly lower than during construction or operation for criteria air pollutants and lower than during operation for greenhouse gases.	COC pertaining to construction emissions will be implemented. Additional conditions proposed for portable equipment registrations, control of visible emissions, and preparation of a dust control plan.
Public Health	Complies will all applicable public health LORS.	There are no significant potential impacts. Emissions during decommissioning and demolition are significantly lower than during construction or operation for criteria air pollutants and toxic air contaminants.	No conditions are proposed.
Hazardous Materials Management	Complies with all applicable LORS, no new permits are required.	Implementation of the proposed conditions and compliance with LORS will ensure there are no significant impacts.	COC pertaining to storage and transport of hazardous materials will be implemented. New conditions proposed to update Hazardous Materials Business Plan.

TECHNICAL AREA	COMPLIES WITH EXISTING APPLICABLE LORS?	POTENTIAL FOR SIGNIFICANT ADVERSE IMPACTS?	PROPOSED CONDITIONS
Waste Management	Complies with all applicable LORS, no new permits are required but existing permits will remain active until demolition activities are complete, including the existing USEPA identification number and Hazardous Materials Handler and Hazardous Waste Generator permit from Riverside County Department of Environmental Health, which is the Certified Unified Permitting Agency (CUPA).	There will be no significant impacts. There is sufficient capacity in existing landfills to accommodate demolition waste.	COC pertaining to the handling of wastes will be implemented. A condition is proposed to ensure hazardous wastes are sent to a Class I landfill and records are submitted to the Compliance Project Manager (CPM).
Worker Safety and Fire Protection	LORS applicable to construction and operation of the facility also apply to decommissioning and demolition and will be complied with through implementing the worker safety programs and plans prepared by the decommissioning and demolition contractor. A Construction Activity Permit (includes demolition) and an Erection of a Fixed Tower Crane Permit will be obtained from Cal/OSHA.	Implementation of the conditions and compliance with LORS will ensure there are no significant impacts.	New conditions proposed for Health & Safety Plans, Fire Protection & Prevention Program, and worker training.

TECHNICAL AREA	COMPLIES WITH EXISTING APPLICABLE LORS?	POTENTIAL FOR SIGNIFICANT ADVERSE IMPACTS?	PROPOSED CONDITIONS
Cultural Resources	Complies with all applicable LORS. No new permits are required.	There will be no significant impacts. No subsurface work will occur outside areas where subsurface work occurred during construction.	No conditions are proposed.
Biological Resources	Complies with all applicable LORS. No new permits are required.	There will be no significant impacts. No sensitive biological resources exist within the areas where decommissioning and demolition will occur.	IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition.
Paleontology	Complies with all applicable LORS. No new permits are required.	There will be no significant impacts. No subsurface work will occur outside areas where subsurface work occurred during construction.	None of the COC nor any additional conditions are necessary. Excavation activities will be covered under a Construction SWPPP.
Geologic Hazards and Soil Resources	Complies with all applicable LORS. No new permits are required.	There will be minimal movement of soil on-site; therefore, there will be no significant impacts on soil and geologic resources.	No conditions are proposed.

TECHNICAL AREA	COMPLIES WITH EXISTING APPLICABLE LORS?	POTENTIAL FOR SIGNIFICANT ADVERSE IMPACTS?	PROPOSED CONDITIONS
Soil and Water Resources	Complies with all applicable LORS. No new permits are required.	Compliance with General National Pollutant Discharge Elimination System (NPDES) Permit for Discharges of Storm Water Associated with Construction Activity will be sufficient to protect water resources during decommissioning and demolition.	Notice of intent for construction under the General NPDES Permit for Discharges of Storm Water Associated with Construction Activity will be submitted to the State Water Resources Control Board.
Land Use	The decommissioning and demolition activities are consistent with current land use designations, plans, and goals except for Policy ED-1.1, ED-1.2, and ED-1.3, which encourage business development and retention.	There are no land use impacts other than the loss of business and job opportunities.	No conditions are proposed.
Noise	Decommissioning and demolition will comply with applicable noise LORS. No new permits are required.	There will not be a substantial increase in ambient noise levels during decommissioning and demolition relative to current conditions and no significant impacts from noise.	Existing programs related to worker safety will remain in place during decommissioning and demolition. No new conditions are proposed.
Socioeconomics	Decommissioning and demolition will comply with applicable socioeconomic LORS.	The socioeconomic impact from closure of the Project will be minor since continued industrial use at the site will retain jobs and create new jobs.	No conditions are proposed.

TECHNICAL AREA	COMPLIES WITH EXISTING APPLICABLE LORS?	POTENTIAL FOR SIGNIFICANT ADVERSE IMPACTS?	PROPOSED CONDITIONS
Traffic and Transportation	Decommissioning and demolition will comply with applicable traffic and transportation LORS.	Decommissioning and demolition activities will not result in significant, additional traffic impacts and will not cause a significant impact on traffic and transportation.	A traffic management plan will be developed to ensure compliance with the Riverside County Congestion Management Program (CMP) for truck intensive operations.
Visual Resources	Decommissioning and demolition will comply with all applicable LORS. Some night-time lighting will be used for site security during the decommissioning and demolition and will be in accordance with local lighting and shielding requirements.	There will be no visual impact from decommissioning and demolition. Since other industrial facilities dominate the project area landscape, the visual character of the project area will remain substantially unchanged.	No conditions are proposed.

2.0 DECOMMISSIONING AND DEMOLITION PLAN ORGANIZATION AND CONTENTS

This Plan responds to the requirements identified in the Commission Decision for the Project, and Title 20 California Code of Regulations, Section 1769, pertaining to post-certification amendments to a license granted by the CEC. It recognizes that decommissioning and demolition are temporary activities resulting in the removal, rather than the creation, of long-term impacts.

This Plan presents:

- The existing conditions (Chapter 3).
- The proposed decommissioning and demolition activities (Chapter 4).
- Key staffing for decommissioning and demolition (Chapter 5).
- An assessment of conformance with applicable LORS, the potential for any significant adverse impacts, and any proposed conditions to mitigate impacts (Chapter 6).

Although the California Environmental Quality Act (CEQA) is one of the applicable LORS, the environmental analysis presented in this document is not a CEQA impact assessment. The CEQA analysis was performed during the Application for Certification (AFC) process when the CEC made its discretionary approval of the whole of the project – construction, operation, and closure. This environmental analysis specifically addresses whether the activities associated with decommissioning and demolition will result in unanticipated significant adverse impacts not contemplated by the Commission Decision.

3.0 EXISTING CONDITIONS

3.1 Introduction

The Project is an existing natural gas-fired, combined-cycle generating facility located in Riverside County, California. The Project is owned and operated by IEEC, which is an indirectly wholly-owned subsidiary of General Electric Company.

3.2 Location of Facilities

The Project is located at 26226 Antelope Road in the City of Menifee, Riverside County, California 92585 on approximately 45.8 acres. The Project Site is located approximately six miles west of the City of Hemet, four miles east of the City of Perris, and 30 miles southeast of the City of Riverside. Figure 3-1 provides a regional location plan.

3.3 Site Description

The Project occupies approximately 35 acres within the 45.8-acre Project Site. Approximately 24 fenced acres accommodate the power generation facility, a switchyard, a water treatment facility, storage tank areas, a parking area, a control room building, and two storm water retention basins. The remaining 11 acres of the 35 disturbed acres are comprised of landscaped areas and access roads. Decommissioning and demolition laydown and parking areas will be located within the 45.8-acre Project Site, or on near-by leased parcels, as was the case during construction. Figure 3-2 provides a detailed site plan.

Prior to construction of the Project, the Project Site was disturbed cultivated agricultural land used for growing wheat. The areas surrounding the Project Site are also heavily disturbed and used primarily for industrial purposes.

Primary access to the Project Site is by way of Ethanac Road to Antelope Road.

3.4 Power Generating Facility

The Project consists of two GE MS7001(H) in a two gas combustion turbines (CTs) and one steam turbine configuration; with each CT equipped with dry, low oxides of nitrogen (NOx) combustors, a heat recovery steam generator (HRSG), a single condensing steam turbine (ST), a deaerating surface condenser, and an eight-cell mechanical draft cooling tower. Each HRSG unit has a single 195-foot exhaust stack.

Each CT is rated at approximately 240 megawatts (MWs). The steam produced by each HRSG drives the single ST, which is rated at approximately 130 MWs. At base load, under average ambient conditions, the Project's net output is approximately 730 MWs. The peak net output when both turbines were operating was 730 to 750 MWs. One of the two turbines (Unit 2) at the Project has been mothballed since March 2017 due to economic considerations.

Additional Project equipment includes a nominal 100,000 pound per hour auxiliary boiler, two 2,000 kilowatt (kW) diesel emergency generators, and a 370 horsepower (hp) diesel fire pump.

3.5 Fuel Supply System

Natural gas is supplied through a 0.9-mile, 20-inch diameter pipeline that was constructed to deliver fuel from a pre-existing Sempra Energy gas pipeline running along Menifee Road, located approximately one mile southeast of the Project Site. Fuel gas is delivered to the Project Site through the Southern California Gas Company (SoCal Gas) Fuel Gas metering station located in the southeast corner of the Project Site.

3.6 Diesel Fuel

The Project includes one temporary 300-gallon aboveground diesel fuel storage tank of dual wall construction as well as two (2) emergency diesel generators (3,200 gallons each) and the diesel fire pump (350 gallons).

3.7 Electric Transmission Interconnection

The Project interconnects with the electrical transmission grid from an on-site switchyard through a transmission line constructed for the Project to the pre-existing Southern California Edison (SCE) Valley Substation. The transmission line is a 0.9-mile, 500-kilovolt (kV) overhead line, utilizing single and double-circuit steel lattice towers to connect to the substation.

3.8 Water Supply

The cooling and process water used by the Project consists primarily of recycled water supplied by EMWD, which was supplemented with raw water supplied by EMWD during the initial years of operation. Water is pumped from EMWD's Perris Valley Water Treatment Plant (PVWTP) south into a pre-existing 48-inch recycled water pipeline that runs along McLaughlin Road, and is delivered to the Project Site via a 0.1-mile long water pipeline constructed for the Project.

3.9 Wastewater and Waste Management

Disposal of process wastewater is via a 4.7 mile non-reclaimable wastewater pipeline that was constructed for the Project within pre-existing utility rights-of-way along McLaughlin Road and Murrieta Road, and connected with pre-existing EMWD facilities

located in the community of Sun City. Cooling tower blowdown is discharged into this pipeline. Other wastewater streams, including the reject stream from reverse osmosis, HRSG blowdown, and recovery from plant service water drains, is recycled for use as cooling tower makeup.

Sanitary wastewater is discharged via a 0.1-mile sewer line constructed for the Project and connected to a pre-existing sanitary sewer line under Antelope Road.

3.10 Workforce

The current Project workforce is relatively small with a normal staff of approximately 23 for plant operation and maintenance. The plant is staffed 24 hours per day, seven days per week. The work force is augmented by part-time workers and periodically increased during maintenance and repair events.

Figure 3-1 Project Regional Location

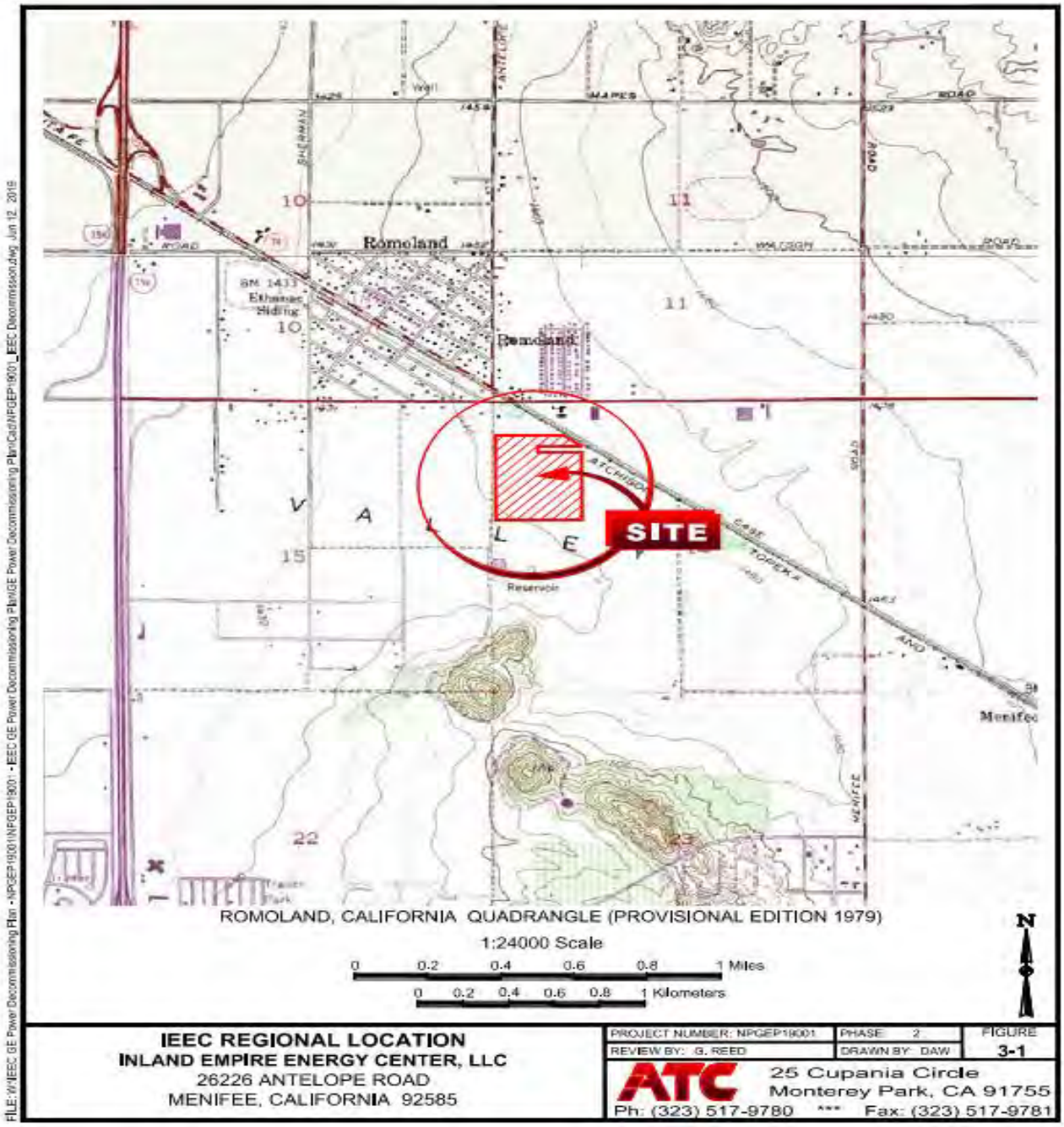
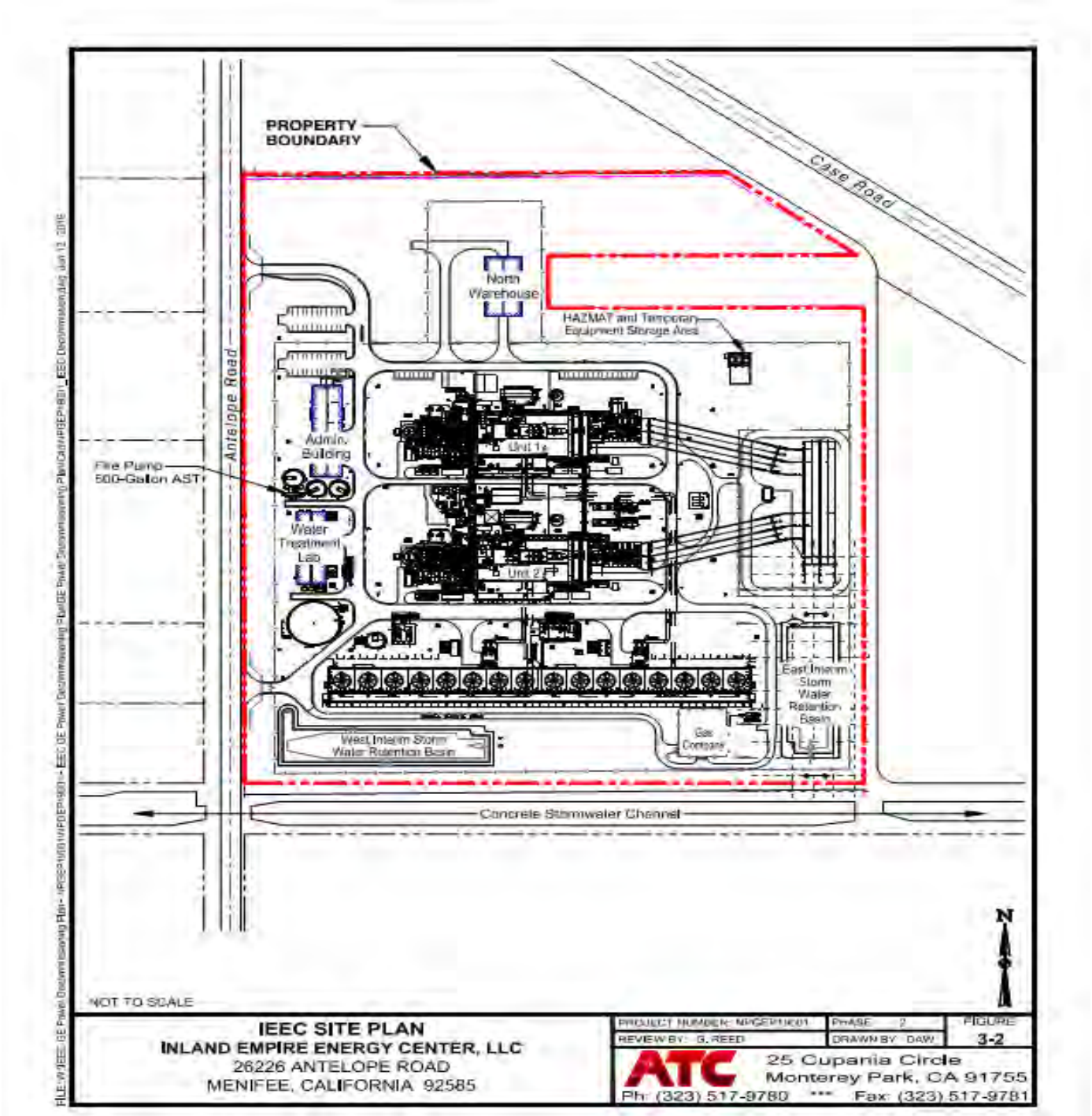


Figure 3-2 Project Site Plan



4.0 DECOMMISSIONING AND DEMOLITION PLAN

4.1 Overview

For the purposes of this Plan, decommissioning and demolition are considered two separate activities, as described below:

- Decommissioning – Activities completed to place the Project in a zero-energy and environmentally neutral state. To include all activities associated with preparation of the plant for demolition.
- Demolition – Physical removal through use of mechanical means of above and below grade structures, utilities, equipment and associated appurtenances.

Upon termination of power generation activities, the following initial decommissioning activities will occur to remove the Project from service:

- Drain all fluid systems and collect all contents to ensure public health and safety, and protection of the environment.
- Categorize all wastes including lubricating oils, fuels, water treatment chemicals, universal waste, etc. These materials will be managed for proper containerization, profiling, and shipment off-site for disposal or recycling.
- Identify utility systems required for continued operation of remaining BESS infrastructure.
- Design and install temporary facilities for support of IEEC and contractor personnel such as office trailers, temporary power, potable water and sanitary service.
- Equipment liquidation/sale activities.

Certain Project facilities and equipment will remain in place at the Project Site to support the proposed BESS. Certain other equipment acquired by Nova will be decommissioned and placed into temporary storage, at either the Project Site or elsewhere. Some of the stored equipment may be used in connection with the proposed BESS, and some may be used by Nova for other purposes unrelated to the Project Site and the proposed BESS. Facilities and equipment that neither remains in place nor is placed into temporary storage will be permanently removed from the Project Site. The planned disposition of the current Project facilities and equipment is as follows:

Facilities to Remain In Place

- Control Room Building and all contents (IT equipment/computers/displays, furniture, personal protective equipment, office equipment, etc.);
- Warehouse (existing contents removed and replaced with specified equipment to be placed in temporary storage);
- Water Treatment Building (de-energized) and all contents;

- Any lower voltage connections (below 500kV) to SCE for standby or station service and associated equipment needed to serve the Control Room Building and Warehouse; and
- Fire Water Storage Tank (empty).

Equipment to Remain in Place

- 500kV Generator Step-Up Transformers (de-energized and in a safe store condition per the manufacturer's recommendations);
- Unit Auxiliary Transformers (de-energized and in a safe store condition per the manufacturer's recommendations);
- 500kV switchyard and all associated equipment and spares within the fenced switchyard area (all maintained in their current status);
- Spare 500kV Generator Step-Up Transformer to remain at its current location adjacent to (at the north end of) the fenced switchyard area (de-energized and in a safe store condition per the manufacturer's recommendations);
- Diesel Fire Pump (Tag # 9FP-P-01A) – (stored in a safe store condition per the manufacturer's recommendations);
- Motor Driven Fire Pump (Tag # 9FP-P-02A);
- Jockey Pump (Tag # 9FP-P-03A);
- Site security equipment (cameras, fencing, controlled access gates, etc.); and
- Generator Circuit Breakers (de-energized and locked out). . These units will require disconnection and removal from the Unit 1 and 2 power blocks prior to facility demolition. These units will be staged on-site for future use.

Equipment to be Decommissioned and Stored for Possible Future Use

- 2 x Gas Compressors (Tag #'s 9FG-C-01A/02A);
- Cooling Tower motors (4 x Quantity);
- Emergency Generators (2 x Quantity);
- Fuel Gas Knockout Drum, Filter Separators, and Drain Tanks (Tag #'s 9FG-F-01A, 9FG-F-02A/02B, 9FG-T-01A/01B/02A);
- Air Compressors, Dryers, and Receivers (Tag #'s 1IA-C-01A/01B, 1IA-D-01A/01B, 1IA-D-02A/03A);
- Fin Fan Coolers (Tag #'s 9FG-A-01A/01B/01C); and
- CEMS HRSG PDC including calibration gases (2 x Quantity).

Some Project foundations and subsurface facilities will remain in place either because they may be utilized in connection with the proposed BESS, or because their removal is unnecessary given the continued use of the Project Site for industrial/power generation purposes, and / or removal would result in greater environmental impacts than retaining in place.

Foundations

- Foundations will be retained for facilities and equipment to remain in place;

- Power Block foundations will be removed to grade or existing finished pad surface depending on slab construction details and future use considerations;
- Turbine pedestals, platforms and other elevated concrete power block structures will be removed to final foundation elevation;
- Power Block sump structures will be filled to final foundation elevation;
- Foundations for facilities and equipment to be decommissioned and removed from the Project Site or placed in temporary storage will be removed entirely if feasible. Conditions making removal infeasible would include but not necessarily be limited to the following:

    - Impacts to surrounding structures; and
    - Structures located at significant depth (greater than 12 feet); and

- Pilings, if present beneath foundations scheduled for removal, will be cut immediately below the foundation and left in place.

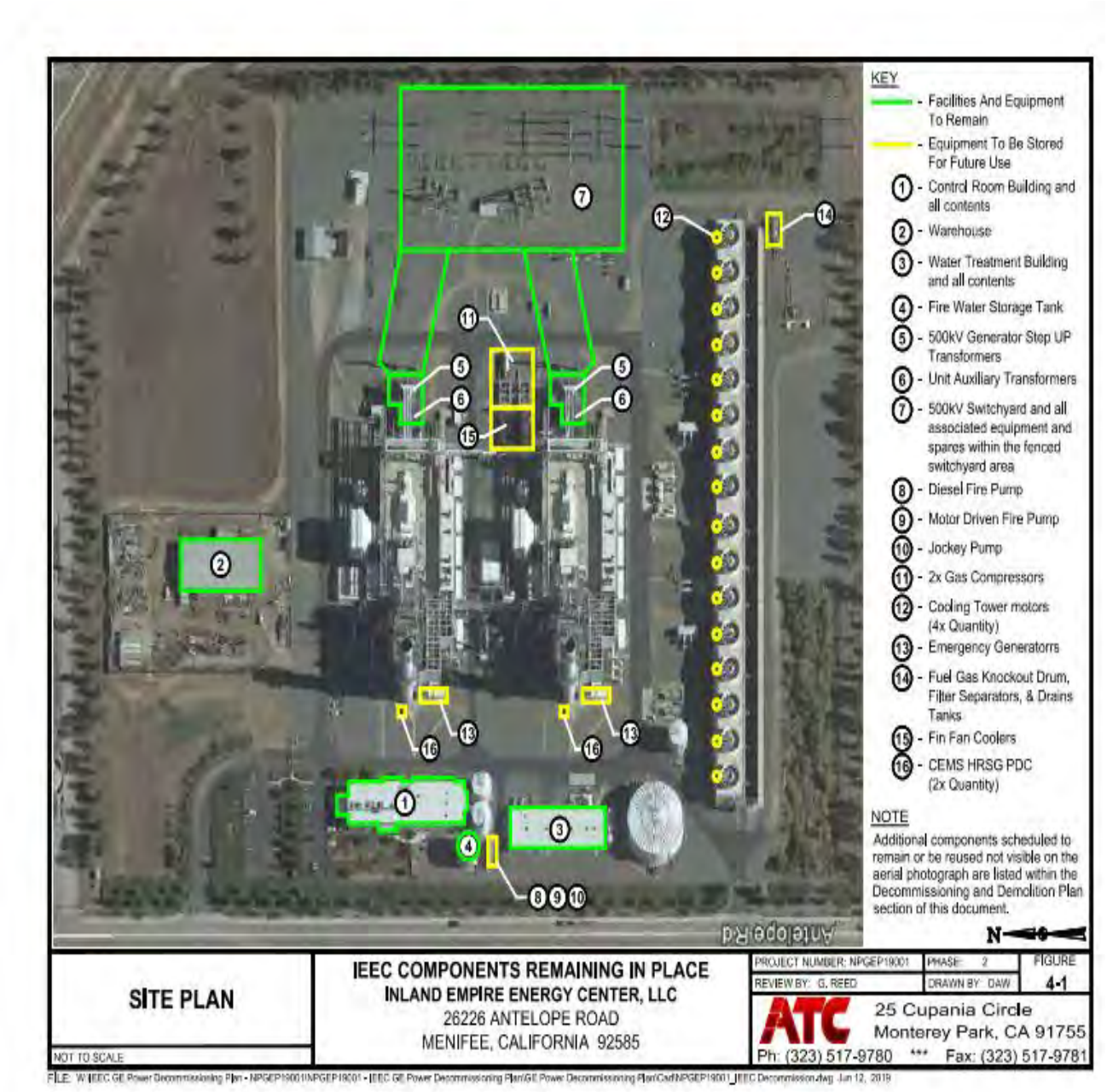
Subsurface Facilities and Utilities

- Cooling tower basin walls will be removed to six inches below grade and the remaining basin will be filled to grade level with recycled concrete and clean fill and compacted as described under Backfilling and Finished Site Grade specifications below;
- Any pipes that are 0-12 feet below surface and are accessible (i.e., not located below foundations that are not removed) will be removed;
- Circulating water pipe that is not below foundations but underneath existing duct banks will be filled with flowable fill and not excavated;
- With the possible exception of cabling that supports lower voltage station or standby service, all cabling from underground duct bank conduits will be removed and duct banks will be left in place with empty conduit;
- Piping for water (fire, potable, service) and sewer, that does not impact the operations of utilities within the control room building, control room and warehouse, will be removed back to the Project Site boundary or closest flanged connection and secured with a blanking plate as described below or an existing valve if near the Project Site boundary. For piping left in place, service will be blanked off with ASME type weld-end/weld-on caps or flanges; Gas Service will be terminated at the boundary of the Southern California Fuel Gas metering station;
- Drain lines located within the power block foundations will be capped in place;
- Electrical service that routes to the Project from the power block will be terminated once the power block is disconnected from the switchyard. This will de-energize the water treatment building and electric fire pump. Once electrical service is terminated temporary fire protection measures will be utilized during decommissioning and demolition;
- The stormwater drainage and retention system will be left in place and remain operable; and

- Other subsurface facilities that are located within 12 feet of the surface and not identified above will be removed.

Figure 4-1 presents an aerial view of the Project Site and identifies the Project components that are to remain in place.

Figure 4-1 Project Components to Remain in Place



At the completion of decommissioning and demolition, site grade will be returned to datum elevation as shown on existing drawings and sloped to existing stormwater

drains to prevent accumulation and ponding of rainwater. All areas excavated during demolition will be backfilled with existing site material, and imported clean engineered fill if necessary, to maintain the required site grade. The density of fill material will not be less than 93 percent of the maximum modified proctor density in accordance with American Society for Testing and Materials (ASTM) D1557, or not less than 95 percent of the maximum standard proctor density in accordance with ASTM D698. Fill in the upper twelve inches in the areas of the existing roads will be compacted to not less than 95 percent of the maximum modified proctor density in accordance with ASTM D1557, or not less than 98 percent of the maximum standard proctor density in accordance with ASTM D698.

4.2 Disposition of Major Project Components

The proposed disposition of the major Project components is summarized in Table 4.2-1 and discussed in greater detail in the sections that follow. For each major Project component, a “Primary Approach” has been identified, which is the intended approach for disposition of that component. In some cases, an “Alternative Approach” has been identified, which would be implemented should the Primary Approach be infeasible due to market conditions or component condition.

Table 4.2-1 Summary of Decommissioning Approach

PROJECT COMPONENT	PRIMARY APPROACH	ALTERNATIVE APPROACH
Combustion Turbines (CT)	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Steam Turbines (ST)	Disconnect, disassemble /remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Generators	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Heat Recovery Steam Generators (HRSG)	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
HRSG Stack Structure	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
CT Air Intake System Structure	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Step Up 500kV Transformers (2)	Remains in place	NA
Unit Auxiliary Transformers	Remains in place	NA
Generator Breakers	Remains in place	NA
Water Treatment Building	Remains in place	NA

PROJECT COMPONENT	PRIMARY APPROACH	ALTERNATIVE APPROACH
Maintenance Building and Control Room Building	Remains in place	NA
Medium Voltage Switchgear Building (4)	Remains in place	NA
Diesel Fire Pump (Tag # 9FP-P-01A)	Decommissioned and Stored for Possible Future Use	NA
Motor Driven Fire Pump (Tag # 9FP-P-02A)	Decommissioned and Stored for Possible Future Use	NA
Jockey Pump (Tag # 9FP-P-03A)	Decommissioned and Stored for Possible Future Use	NA
Gas Compressors (2) – (Tag #'s 9FG-C-01A / 02A)	Decommissioned and Stored for Possible Future Use	NA
Cooling Tower Motors	Decommissioned and Stored for Possible Future Use	NA
Emergency Generators (2)	Decommissioned and Stored for Possible Future Use	NA
FG Knockout Drum, Filter Separators, Drain Tanks (Tag #'s 9FG-F-01A, 9FG-F-02A/02B, 9FG-T-01A/01B/ 02A	Decommissioned and Stored for Possible Future Use	NA
Air Compressors, Dryers, Receivers (Tag #'s 1IA-C-01A/01B, 1IA-D-01A/01B, 1IA-D-02A/03A	Decommissioned and Stored for Possible Future Use	NA
Fin Fan Coolers (Tag #'s 9FG-A-01A / 01B / 01C	Decommissioned and Stored for Possible Future Use	NA
CEMS HRSG PDC (2)	Decommissioned and Stored for Possible Future Use	NA
Auxiliary Cooling Water Pump	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Circulating Water Pumps	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Boiler Feed Pumps	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Cooling Tower Structure	Demolish above grade structure and walls to 6" below grade, sell any ferrous material, dispose of remaining material as C&D debris	NA

PROJECT COMPONENT	PRIMARY APPROACH	ALTERNATIVE APPROACH
Cooling Tower Electrical Building	Disconnect, disassemble / remove, and sell to a new user	Demolish building and components and dispose of as C&D debris, ferrous, and non-ferrous material
Cooling Tower Chemical Feed Foundation and Connections	Demolish, size, and retain on site foundation concrete and size and sell connections as recycled ferrous material	NA
Fire Water Tank	Remains in place	NA
Demineralized Water Storage Tank	Demolish, size, and sell as recycled ferrous metal	NA
Condensate Surge Tank	Demolish, size, and sell as recycled ferrous metal	NA
Ammonia Storage Tank	Demolish, size, and sell as recycled ferrous metal	NA
Switchyard Control Building	Remains in Place	NA
HRSG Blowdown Tank	Demolish, size, and sell as recycled ferrous metal	NA
Ammonia Injection Skid	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Condenser and Auxiliaries	Demolish, size, and sell as recycled ferrous metal	NA
Auxiliary Transformer	Remain in Place	NA
Recycled Water Tank	Demolish, size, and sell as recycled ferrous metal	NA
Condensate Pumps	Demolish, size, and sell as recycled ferrous metal	NA
Non-Reclaimable Wastewater Tank	Demolish, size, and sell as recycled ferrous metal	NA
Fire Protection System	Demolish, size, and sell as recycled ferrous metal	NA
Auxiliary Boiler	Disconnect, disassemble/remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
Standby Generators	Disconnect, disassemble / remove, and sell to a new user	Demolish, size, and sell as recycled ferrous metal
High Pressure and Large Diameter Piping	Demolish, size, and sell as recycled ferrous metal.	NA

PROJECT COMPONENT	PRIMARY APPROACH	ALTERNATIVE APPROACH
Switchyard, Buses and Towers	Remain in place (up to limits of power block demolition). Buses within limits will be removed and recycled.	NA

4.3 Natural Gas Interconnection

IEEC will coordinate with SoCalGas to ensure a safe and coordinated disconnect of the Project from its natural gas supply system. The natural gas service will be terminated and the isolation valves at the meter station closed and locked. The underground natural gas pipeline from the meter station to the Project will be purged, air-gapped, capped and abandoned in place.

4.4 Electric Transmission Interconnection

IEEC will work closely with SCE to ensure a safe and coordinated disconnection of the Project from the SCE transmission system. Electric transmission interconnection facilities will remain in place to serve the proposed BESS.

4.5 Water Supply

Certain water supply components will be left in place to serve the proposed BESS,while others will be removed as detailed in Table 4.1-1.

4.6 Wastewater

Wastewater pipelines from the power block foundations will be permanently plugged from the inlets to the external edges of the Power Block foundations. All wastewater pipelines that are 0-12 feet below the existing ground surface and not below foundations will be removed except for those lines that are associated with Water Treatment Building, Control Room Building and Warehouse operations. The water treatment and processing equipment, tanks, and facilities contained within the Water Treatment Building will be retained. All associated ancillary external components to wastewater treatment will be dismantled.

4.7 Other Waste

To the extent possible all materials generated during decommissioning and demolition activities will be assessed for recycling, salvage, reuse or use as on-site fill (limited to processed concrete) in order to minimize waste generation.

All non-hazardous wastes including construction and demolition (C&D) debris will be collected and disposed of in appropriate landfills or waste collection facilities.

All hazardous wastes and universal wastes will be disposed of in accordance with applicable LORS.

Any unknown hazardous or toxic materials encountered during decommissioning and demolition activities will be properly sampled and submitted to an approved analytical laboratory for analysis, characterization and profiling. All hazardous and/or toxic materials will be managed to ensure protection of the environment, as well as human health and safety. Associated activities including characterization, containerization, and off-site transport and disposal will be completed in accordance with applicable LORS.

4.8 Workforce

Decommissioning, demolition, asset and materials removal, and final grading activities will be performed by IEEC personnel and external contractors with the appropriate expertise and licensing. The on-site workforce including both IEEC employees and external contractors, is projected to be approximately 30 workers per day.

4.9 Equipment Requirements

Equipment types likely to be used for the demolition and removal activities are listed in Table 4.9-1. The equipment is anticipated to operate up to 10 hours per day, five days per week.

Table 4.9-1 Demolition and Removal Equipment Use

EQUIPMENT TYPE	HORSEPOWER	NUMBER
Skid-Steer Loader	85	2
Excavator with Shear	433	1
Excavator with Shear	359	1
Excavator with Shear	359	1
Excavator with Shear / Concrete Processor	355	1
Excavator with Thumb / Magnet	288	1
Compactor	156	1
Wheel Loader	225	1
160 Ton Rough Terrain Crane (short term rental as needed)	333	1

All equipment, as well as scrap and recycled materials to be removed from the Project Site, will be transported using 18-wheel tractor-trailer trucks. There will be approximately 20,000 tons of ferrous and non-ferrous material to be removed from the Project Site requiring an estimated 1,540 truck-loads. In addition to this material, approximately 100 loads of C&D debris, mainly generated by the demolition of the Cooling Tower, will require off-site transport and disposal. Mobilization and demobilization of demolition equipment will add an additional 20 truck trips to and from the Project Site. A total of 10 two-axle box truck round trips is estimated to be sufficient to occasionally haul hazardous or universal waste off the Project Site.

The import of approximately 4,000 tons of engineered fill will result in an additional 160 trips, and the import of diesel fuel being supplied to the Project Site to refuel mobile off-road equipment will account for an additional 100 trips during the year.

Consequently, there will be an estimated 1,930 truck round trips to and from the Project Site during the twelve-month decommissioning and demolition period.

4.10 Roads

The on-site paved roads, as well as paved parking and graveled surfaces, will be left in place.

4.11 Security

IEEC and its contractors will maintain 24-hour per day manned security during decommission and demolition. This will include perimeter fencing with Project Site entry monitored by on-site security personnel, and maintenance of a site security network.

4.12 Schedule

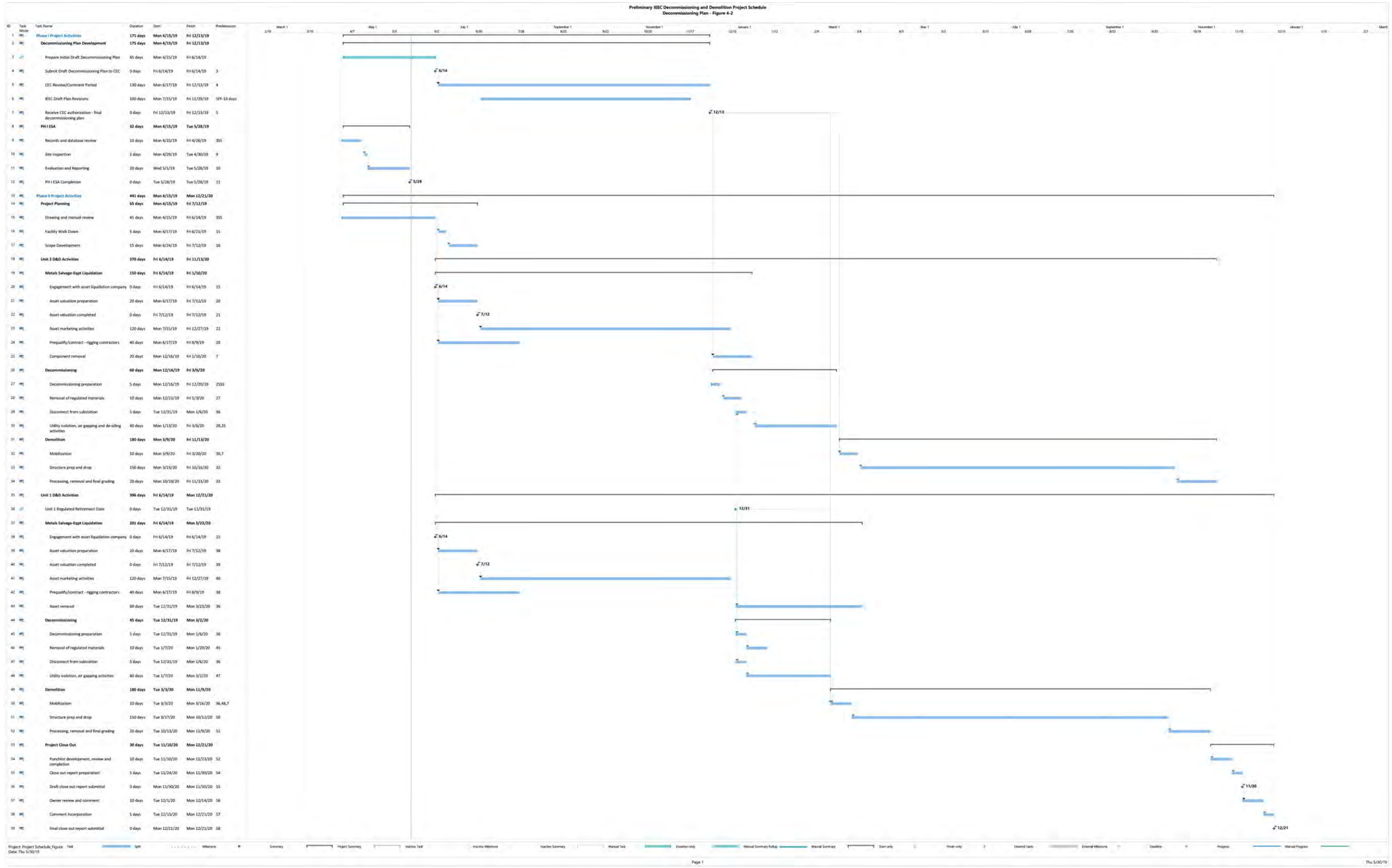
Planning and preparation activities are currently in progress and include preparation of planning documentation, detailed Project and asset characterization activities, and equipment marketing activities.

It should also be noted that certain actions that were taken with respect to Unit 2 when it was placed into cold lay-up status, consistent with the 2016 “COM13-14: Unplanned Temporary/Permanent Closure And On-Site Contingency Plan” previously filed with the CEC, are the same or similar to actions taken to permanently decommission a unit. Therefore, some of the decommissioning activities described in this Plan have already occurred with respect to Unit 2. With the exception of planning and preparation, IEEC will not undertake any decommissioning or demolition activities beyond those authorized by the 2016 plan referred to above until this Plan has been approved by the CEC.

Decommissioning and demolition will begin once this Plan is approved by the CEC, on or about December 15, 2019. Power Block demolition activities will begin once the Project ceases power production, which is expected to be January 1, 2020. Decommissioning, demolition, removal, and final grading is expected to last approximately twelve months. The majority of the work will occur Monday through Friday during normal work hours (7:00 AM through 5:00 PM PS/DT).

The current decommissioning and demolition schedule is shown in Figure 4-2.

Figure 4-2 Project Decommissioning and Demolition Schedule



4.13 Implementation of Decommissioning and Demolition Activities

The decommissioning and demolition of the Project will be completed in three consecutive phases. The work in each phase is described below:

Phase 1 (3 Month Estimated Duration)

The initial activities under Phase 1 will include disconnection of the Project from primary utilities including gas supply and electrical supply from the switchyard. Once on-site systems and piping scheduled for demolition are confirmed purged and free of natural gas and high voltage electricity, additional Phase 1 activities will proceed as follows:

- Removal of regulated materials including hazardous materials/waste and universal waste. This includes removal, containerization, profiling, manifesting and transport for off-site disposal of the following items:
    - Lubricating and cooling oils removal/recovery from equipment scheduled for demolition/salvage;
    - Universal waste removal including fluorescent lights, ballasts, batteries, mercury switches, etc.;
    - Tank cleaning including removal of free liquids, sludges and tank bottoms; and
    - Decommission and store onsite – equipment components listed for possible future reuse.

- Demolition of the Balance of Plant (BOP) structures (outside of the main Power Block), including foundations and subsurface utilities.

Phase 1 BOP demolition work will require the following types of equipment and may not include all specialty types of equipment:

- Excavators with Concrete Processors (breaking / sizing of concrete foundations / pedestals and complete rebar removal);
- Excavators with Hydraulic Metal Shears (demolition and sizing of metal structural components, tanks, and any unsold equipment);
- Excavators with Thumbs / Magnets (loading trucks, containers, and rail cars with sized ferrous and non-ferrous material);
- Water Truck (site dust control (12,000 gallons per day estimated – as required to maintain compliance with applicable requirements);
- Roll-off Container Drop Truck (stockpile / segregate ferrous and non-ferrous material);
- Skid-steer Loaders (stockpile / segregate ferrous and non-ferrous material);
- Wheel Loader (stockpile/segregate ferrous, non-ferrous, and pulverized concrete;
- Fuel / Lube / Mechanic Truck (equipment support);
- 4WD Project Pickups (personnel transport); and
- 160 Ton All Terrain Crane as needed.

All C&D waste and recyclable material generated during Phase 1 will be loaded in approved and properly labelled containers and transferred from the Project Site to a California licensed and approved waste disposal facility in properly placarded transport vehicles.

Phase 2 (8 Month Estimated Duration)

Phase 2 consists of the demolition of the main Power Block structures and all remaining ancillary structures to existing grade. The main Power Block structures, equipment, and ancillary structures include:

- Units 1 & 2 Steel Support Structures;
- Units 1 & 2 Combustion Turbine and Concrete Foundations;
- Units 1 & 2 Generators;
- Units 1 & 2 Steam Turbines and Concrete Foundations;
- Units 1 & 2 Natural Gas Conditioning Structures;
- Units 1 & 2 Heat Recovery Steam Generators (HRSG) & Concrete Foundations;
- Units 1 & 2 HRSG Stack Structures and Concrete Foundations;
- Units 1 & 2 Combustion Turbine Air Inlet System Structures and Foundations;
- Units 1 & 2 Power Block Transformers;
- Units 1 & 2 Power Block Power Distribution Control Modules;
- Units 1 & 2 Power Block Pumps and Related Valves / Piping; and
- Units 1 & 2 Power Block Electrical, buses, and Control Cabling / Cable Trays.

This demolition work will be completed utilizing the same equipment used in Phase 1, all performing the same functions. C&D waste and recyclable material generated during Phase 2 will be loaded in approved and properly labelled containers and transferred from the Project Site to a California licensed and approved waste disposal facility in properly placarded transport vehicles.

The Phase 1 and Phase 2 estimate of the ferrous and non-ferrous salvage material is 20,000 tons, which will leave the Project Site in highway tractor trailer trucks transporting 13 tons net salvage material per load. Consequently, 1,539 truckloads will leave the Project Site to a predetermined metal recycling destination. Rail cars may be used if a railroad siding exists nearby that can be used to stage railroad scrap metal cars. Typical scrap cars can haul 90 net tons, but the net will be reduced to 60 net tons due to void spaces inherent when loading salvage metal. Considering this, if railroad cars can be used, 334 rail cars would move the material to the final recycling destination with 1,540 truckloads still being involved to transport the material from the Project Site to the rail car siding loading area.

Phase 3 (1 Month Estimated Duration)

Phase 3 consists of the placement and compaction to project specifications of existing site backfill material (processed concrete) and imported engineered backfill material in the Cooling Tower Basin and any areas excavated during the demolition phases. Final

grading of disturbed areas per the final grading design and project specifications of the disturbed areas will be completed and any required permanent erosion control measures installed. This work will be completed utilizing the following types of equipment:

- Water Truck (site dust control and backfill moisture control per compaction specifications);
- Excavators with Buckets (loading processed concrete in the container truck during the demolition phases);
- Roll-off Container Drop Truck (dumping processed concrete in the Cooling Tower Basin and areas requiring backfill following demolition);
- Skid-steer Loaders (spreading processed concrete in eight-foot lifts in the Cooling Tower Basin and areas requiring backfill and spreading imported backfill between the processed concrete lifts to fill void spaces and achieve compaction specifications);
- Sheepsfoot Vibratory Compactor (achieve compaction specifications);
- Fuel / Lube / Maintenance Truck (equipment support); and
- 4WD Project Pickups (personnel transport).

Waste material generated during Phase 3 will be loaded in approved and properly labelled containers and transferred from the Project Site to a California licensed and approved waste disposal facility in properly placarded transport vehicles.

4.14 Implementation of the Compaction Plan

Phase 3 includes purchasing approved backfill and hauling / placing / compacting the fill between all processed concrete lifts. The work consists of the following tasks:

- Approved fill will be loaded and transported to the Project Site and placed in eight inch lifts over each processed concrete lift;
- Compaction will be gained by utilizing a vibratory compactor to achieve project compaction specifications with moisture requirements being within specified percentage points of optimum moisture.
- Confirmation testing will be completed by a local and approved geotechnical company, and.
- The final survey will be completed to ensure final design for fill elevations in all site areas was achieved.

4.15 Implementation of the Final Grading Plan

The final grading involves the following:

- Importing approved backfill and spreading / compacting to gain final specified elevations and grading / contouring of the backfill to maintain positive slope to storm water drains, and

- Installation of all permanent erosion control measures (rip rap, erosion control mats, silt fence, etc.) per the final design will be completed by the demolition contractor.

4.16 Implementation of the Demobilization and Post-Construction Plan

Phase 3 also includes demobilization of all equipment, removal of any temporary safety or silt fences, complete demobilization of all demolition personnel, and any subcontractor equipment and personnel. The work generally consists of the following:

- Temporary safety fence removal;
- Sanitary facilities demobilization;
- Complete equipment demobilization; and
- Demolition contractor and any subcontractor personnel demobilization.

5.0 PROJECT STAFFING – KEY POSITIONS

5.1 Minimum Functional Requirements / Responsibilities

In the context of decommissioning and demolition execution and site safety, minimum requirements shall be met and minimal responsibilities performed by the functional equivalent of the positions described in the following sections. Please note that specific decommissioning and demolition work activities will be detailed in a set of project specific plans and specifications. Preparation and implementation of these project specific plans, as well as compliance with the CEC approved Plan, is the responsibility of the individual project positions listed below, as noted.

5.1.1 Project Manager

The Project Manager (PM) is an experienced demolition professional who ensures that constructability input and appropriate Health, Safety and Environmental (HSE) requirements are integrated into the decommissioning and demolition project and is ultimately responsible and accountable for specified metrics performance for all phases of work.

The PM oversees and ensures that the execution of the various stages of the work are being performed satisfactorily by the applicable "owner" of each stage. Specific assignments / activities include:

- Ensures compliance with the CEC approved Plan;
- Develops compliance reporting for CEC to document Plan compliance;
- Generates the monthly Contract Status Report;
- Initiates, develops, prepares / issues, and enforces adherence to the approved plans and procedures;
- Supports, provides input into, and generates / approves the following documents:

  - Baseline demolition schedule and updates to ensure adherence to critical path activity dates and other project constraints; and
  - Daily construction reports, sharing significant deviations / concerns (and proposed solutions) with IEEC;

- Prepares Substantial and Final Completion Certificates – with regard to demolition work in the field for IEEC review; and
- Leads all constructability reviews relating to the decommissioning and demolition of the Project.

5.1.2 Site Supervisor

The Demolition Site Supervisor has oversight and overall responsibility for the demolition activities. Specific assignments / activities include:

- Supervises and directs the demolition team;
- Approves the monthly Contract Status Report prior to formal issuance;
- Initiates, develops, prepares / issues, and enforces project / site-wide adherence to the site plans and procedures;
- Supports, provides input into, and approves the following documents:

  - Baseline demolition schedule and updates to ensure adherence to critical path activity dates and other project constraints; and
  - Daily construction reports, sharing significant deviations / concerns (and proposed solutions) with the IEEC and the PM;

- Approves Substantial and Final Completion Certificates with regard to demolition / construction work in the field; and
- Inputs / attends all constructability reviews relating to the demolition portion of the project.

5.1.3 Site HSE Manager

The Demolition HSE Manager ensures that all personnel supporting the project are educated in the applicable HSE processes.

At the Project Site the Demolition HSE Manager shall be the key point of contact in terms of implementing the Demolition HSE Plan by reviewing the decommissioning and demolition safety programs against the Demolition HSE Plan, as well as observing subcontractor's safety practices to ensure overall compliance with the Demolition HSE Plan.

5.1.4 Site Quality Assurance Officer

The responsibility of the Site Quality Assurance (QA) Officer is to ensure the expectations and requirements regarding the quality of contractor's and subcontractors' work processes and end products meet or exceed applicable IEEC requirements and

specifications, as well as industry code requirements. The focus of the Site QA Officer will be to ensure consistency in the quality of work across all decommissioning and demolition entities involved with the work.

On the Project Site, the QA Officer will be the key point of contact in terms of implementing the CEC approved Plan and IEEC Decommissioning Project's Site Demolition / Construction Quality Assurance Plan, reviewing Contractor's quality control programs and work practices against the Site Demolition / Construction Quality Assurance Plan, as well as observing the contractor's jobsite quality control procedures and practices.

5.1.5 Air Quality Supervisor

An Air Quality Supervisor (AQS) shall be designated who will be certified by the California Air Resources Board (CARB) for Visible Emissions Evaluation (VEE) before any demolition activities commence at the Project Site. The AQS will also serve as the Dust Control Supervisor, if required by SCAQMD Rule 403 – Fugitive Dust. The AQS shall be responsible for assuring that:

- No dust from demolition activities remains visible beyond the property line;
- No dust emissions exceed 20 percent opacity from vehicle traffic;
- All active operations at the Project Site utilize applicable Best Available Control Measures as specified in SCAQMD Rule 403, including all appropriate measures found in Table 1 of Rule 403;
- All mobile off-road diesel-fueled vehicles operating at the Project Site are:
    - Properly labeled with an Equipment Identification Number (EIN) issued by the CARB;
    - Properly registered in the CARB Diesel Off-road Online Reporting System (DOORS); and
    - Are part of a vehicle fleet that has a current CARB Certificate of Reported Compliance;
- All mobile on-road diesel fueled vehicles operating at the Project Site are:
    - In compliance with CARB requirements for on-road vehicles for the current compliance year; and
    - Part of a fleet that has properly reported, as necessary, in the CARB Truck Regulation Upload, Compliance and Reporting System (TRUCRS) for which the fleet has a current Certificate of Reported Compliance; and
- Daily records are kept regarding the extent of active operations at the Project Site, including:
    - The nature of daily on-site demolition activities, including an estimate of the tons of various materials handled;
    - The amounts of diesel fuel consumed in each mobile off-road vehicle; and

- The amounts of materials imported/exported to the Project Site.

6.0 LORS CONFORMANCE AND IMPACT ASSESSMENT

6.1 Introduction to the Environmental Resource Sections

The following Sections in Chapter 6 analyze each environmental resource that could be affected by decommissioning and demolition of the Project. Each Section is divided into four subsections that provide:

1. A summary of the conclusions from the Commission's Decision related to the specific resource including any specific decommissioning or demolition requirements.
2. A response to the questions of whether there are any applicable LORS for decommissioning and demolition of the Project and any additional permits required for decommissioning and demolition.[4]
3. A discussion of how decommissioning and demolition will conform with all applicable LORS and an assessment of the impacts of the decommissioning and demolition on the resource area in question, and
4. Conditions, if any, required for mitigation of impacts associated with decommissioning and demolition activities.

Proposed conditions included in this Plan include existing COC (with appropriate modifications in some cases), and new conditions developed specifically for decommissioning and demolition. Proposed conditions included in this Plan are designated with a "D" to indicate that they are applicable to decommissioning and/or demolition. Existing COC that are not specifically incorporated into this Plan have been deemed not applicable to decommissioning and demolition, and IEEC requests that the CEC approval of this Plan indicate that all such COC cease to be effective upon cessation of production of electricity from the Project. At that point, only those COC and new conditions specifically included in this Plan would continue in effect. The COC and new conditions specifically included in this Plan would cease to be effective upon full implementation of this Plan and release of CEC jurisdiction over the Project Site.

6.2 Air Quality and Greenhouse Gases

This section presents an analysis of LORS compliance and potential environmental impacts and benefits related to air quality and greenhouse gas emissions that may result from the decommissioning and demolition of the Project. With the cessation of Project operations, there is a substantial reduction in emissions which are being temporarily replaced with short-term emissions of a lesser magnitude related to decommissioning and demolition.

[4] Where no applicable LORS have been identified, a LORS table is not provided or a table is provided with a comment column to provide the reasoning for the determination.

6.2.1 Background

The Commission Decision concluded:

> *"The Commission therefore conclude [sic] the implementation of the Conditions of Certification, below, and the mitigation measures described in the evidentiary record, ensures the Inland Empire Energy Center will conform with all applicable laws, ordinances, regulations, and standards relating to air quality as set forth in the pertinent portions of Appendix A of this Decision."*[5]

The Commission Decision did not identify any decommissioning and demolition conditions specifically related to air quality or greenhouse gases.

6.2.2 Applicable LORS and Required Permits

As indicated in Table 6.2-1, most of the LORS applicable to air quality during decommissioning and demolition are SCAQMD rules. There are no specific LORS applicable to greenhouse gases during decommissioning and demolition.

No SCAQMD permits related to air quality or greenhouse gases will be required for the decommissioning or demolition activities. If portable equipment requiring permits is used for the decommissioning and demolition activities, that equipment will be registered through the CARB Portable Equipment Registration Program (PERP).

6.2.3 LORS Conformance and Impact Assessment

Table 6.2-1 shows how the decommissioning and demolition activities will conform with LORS applicable to air quality.

Table 6.2-1 LORS Applicable to Air Quality

LORS	DESCRIPTION	COMMENTS
Federal		
40 Code of Federal Regulations (CFR) Part 60 – NSPS, Subpart IIII Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Establishes emission standards for stationary compression ignition internal combustion engines, including emergency fire water pump and generator engines over a specific size.	All the stationary engines operated as part of the power plant will be shut down, drained of fluids (fuel and lube), and potentially sold off, before the start of demolition. No SCAQMD permits will be required for the decommissioning and demolition activities. If

[5] Commission Decision, p. 122.

LORS	DESCRIPTION	COMMENTS
		portable equipment requiring permits is used, that equipment will be registered through the CARB PERP.
State		
Title 17 California Code of Regulations (CCR), Section 93115, Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines	Establishes emission limits, operating limits, fuel use restrictions, monitoring and recordkeeping requirements for large (>50 hp) stationary compression ignition engines, including emergency fire water pump and generator engines.	No SCAQMD permits will be required for the decommissioning and demolition activities. If portable equipment requiring permits is used, that equipment will be registered through the CARB PERP.
Title 17, CCR., Section 93116, ATCM for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower or Greater	Establishes requirements for diesel fuel, use of only certified engines, weighted particulate matter (PM) emission fleet averages, record keeping and reporting for >50 hp compression engines, powering portable equipment such as generators and air compressors.	No SCAQMD permits will be required for the decommissioning and demolition activities. If portable engines are required, the Air Quality Supervisor (AQS) will be responsible for verifying compliance with the ATCM for each portable engine that is operated at the Project.
California Health & Safety Code (H&SC) §41700 (Nuisance Regulation)	Prohibits discharge of such quantities of air contaminants that cause injury, detriment, nuisance, or annoyance.	The project owner will ensure the contractor will ensure compliance with this requirement
California H&SC §2451, et seq. (Portable Equipment Registration Program – PERP)	Allows the permitting of portable equipment under a statewide registration program	If portable equipment requiring permits is used for the decommissioning and demolition activities, that equipment will be registered through the CARB PERP.
Title 13, CCR, Article 4.8, Chapter 9, Section 2449, Regulation for In-Use Off-Road Diesel-Fueled Fleets	Establishes requirements for diesel-fueled mobile off-road vehicle fleets in order to reduce criteria pollutant emissions from engines greater than 25 hp, including requirements on excess idling, CARB assigned equipment identification numbers (EINs), and year-by-year fleet	The AQS shall be responsible for determining the compliance status of all mobile off-road equipment that will be operated during decommissioning at the Project Site,

LORS	DESCRIPTION	COMMENTS
	average requirements, as well as recordkeeping and reporting.	including verifying that all equipment is properly identified and that equipment fleets meet the appropriate annual reporting and compliance schedules.
Title 13, CCR, Division 3, Chapter 1, Section 2025, Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen and Other Criteria Pollutants for In-Use Heavy Duty Diesel-Fueled Vehicles.	Regulates diesel –fueled on-highway vehicles over 14,000 pounds Gross Vehicle Weight Rating (GVWR) by establishing dates by which certain model year engines can no longer be operated in California, with separate requirements for medium-duty (14000-26,000 GVWR) and heavy-duty (over 26,000 GVWR) vehicles, including recordkeeping and reporting for some vehicles.	The AQS shall be responsible for determining the compliance status of all mobile on-road vehicles over 14,000 GWVR that are used in any capacity during the decommissioning and demolition of the Project.
Local (SCAQMD)		
Rule 201 – Permit to Construct, Rule 202 - Temporary Permit to Operate, Rule 203 – Permit to Operate	Rules 201, 202 and 203 require that permits be obtained for any equipment that emits air contaminants.	No SCAQMD permits will be required for the decommissioning and demolition activities. If portable equipment requiring permits is used, that equipment will be registered through the CARB PERP.
Rule 401 – Visible Emissions	Limits visible emissions from applicable equipment or processes to values no darker than Ringelmann #1 for periods greater than three minutes in any hour.	The Project Owner will ensure that the demolition contractor complies with this requirement.
Rule 402 – Nuisance	Prohibits emissions in quantities that would adversely affect public health, other businesses, or property.	The Project Owner will ensure that the demolition contractor complies with this requirement.
Rule 403 – Fugitive Dust	Limits fugitive PM emissions from transport, construction, handling and storage activities	The Project Owner will ensure the contractor will use appropriate dust suppression mitigation to limit fugitive PM emissions.

LORS	DESCRIPTION	COMMENTS
Rule 404 – Particulate Matter Concentration	Limits PM emissions concentration from sources	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment.
Rule 405 – Solid Particulate Matter Weight	Limits PM emissions based on process weight	No SCAQMD permits will be required for the decommissioning and demolition activities. I This requirement would not apply to PERP registered equipment.
Rule 407 – Liquid and Gaseous Contaminants	Limits CO emissions from combustion sources.	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment.
Rule 409 – Combustion Contaminants	Limits emissions of combustion contaminants	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment.
Rule 431 – Sulfur Content of Fuels, Rule 431.2 Sulfur Content of Liquid Fuels	Limits sulfur content of liquid and solid fuels	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment.
Rule 1166 – Volatile Organic Compound (VOC) Emissions from Decontamination of Soil	Sets requirements to control the emission of VOC from excavating, grading, handling and treating VOC contaminated soil	If VOC contaminated soil is encountered during demolition, IEEC will ensure the demolition contractor is in compliance with this rule.

LORS	DESCRIPTION	COMMENTS
Regulation XIII – New Source Review	Sets forth the pre-construction review requirements for new, modified or relocated facilities	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment.
Regulation XIV – Toxics and Other Non-Criteria Pollutants	Sets limits on toxic air contaminants from stationary sources	No SCAQMD permits will be required for the decommissioning and demolition activities. If portable equipment requiring permits is used for the decommissioning activities, that equipment will be registered through the CARB PERP.
Regulation XVII- Prevention of Significant Deterioration	Sets forth the pre-construction requirement for stationary sources	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment.
Regulation XX – RECLAIM	Imposes facility emission caps on nitrogen oxides (NOx) and sulfur oxides (SOx) emissions from large stationary sources	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment.
Regulation XXX – Title V Permits	Sets forth permitting requirements for large stationary sources	No SCAQMD permits will be required for the decommissioning and demolition activities. This requirement would not apply to PERP registered equipment. Once operations cease the Title V permit will be retired.

6.2.3.2 Criteria Pollutant Emissions

Demolition activities will generate emissions of criteria pollutants (VOC, carbon monoxide [CO], NOx, SOx, respirable particulate matter [PM10] and fine particulate matter [PM2.5]). These pollutants were also generated during construction and operation of the Project. Criteria pollutant emissions anticipated to occur during demolition activities were estimated and compared with actual and calculated emissions during construction and operation of the Project to evaluate the potential for the demolition activities to result in impacts from criteria pollutant emissions greater than those previously analyzed for construction and operation of the Project.

Criteria pollutant emissions from the following sources during demolition were calculated:

- Fugitive PM emissions from earth moving activities;
- Off-road equipment exhaust;
- On-site portable equipment exhaust;
- On-site motor vehicle exhaust;
- On-site motor vehicle fugitive (PM) emissions from entrained dust;
- Off-site motor vehicle exhaust; and
- Off-site motor vehicle fugitive PM emissions from entrained dust.

Off-road equipment exhaust emissions were estimated by multiplying total operating hours for each piece of equipment by equipment-specific emission factors. IEEC's demolition contractor provided estimates of the types, number, horsepower rating, usage factors and operating hours for the equipment that is anticipated to be used. Emission factors were taken from the CARB Executive Order for each individual engine present in each piece of mobile off-road equipment, as found in Appendix A

CARB Executive Orders are written documentation of compliance with CARB Regulations, for example – vehicle engines certified to specific emission standards, issued pursuant to Title 13 CCR, Chapter 9, Article 4, Sections 2420-2427.

On-site and off-site motor vehicle exhaust emissions were estimated by multiplying total on-site and off-site vehicle miles traveled for each type of motor vehicle used by vehicle-specific emission factors. IEEC's demolition contractor provided estimates of the types, number and vehicle miles traveled for the motor vehicles that are anticipated to be used. Emission factors were from either the California Air Pollution Control Officers Association (CAPCOA) CalEEMod emissions model or the CARB EMFAC2017 web-site.

Motor vehicle fugitive PM emissions were estimated by multiplying total on-site and off-site vehicle miles traveled for each type of motor vehicle used by vehicle-specific emission factors. Emission factors were calculated using equations from the U.S. Environmental Protection Agency (EPA) Compilation of Air Pollutant Emission Factors (AP-42).

6.2.3.3 Comparison to Project Construction Emissions

Estimated construction emissions were taken from FSA Air Quality Table 5, IEEC Project, Estimated Construction Emissions (Daily and Annual). Total estimated criteria pollutant emissions during demolition and during construction are summarized in Table 6.2-2. Estimated emission calculations are provided in Appendix A. As indicated, criteria pollutant emissions during demolition are estimated to be substantially lower than emissions during Project construction. Therefore, impacts from criteria pollutant emissions during demolition will be substantially less than impacts during Project construction, which were found to be less than significant in the Commission Decision.

Table 6.2-2 Comparison of Demolition Emissions with Construction Emissions

SOURCE	VOC	CO	NOx	SOx	PM10	PM2.5
Total Demolition Activities	0.21	0.78	4.04	0.01	0.09	0.01
Total Construction Activities	5.10	56.3	17.3	0.10	0.90	1.00
Demolition Emissions Less Than Construction Emissions?	Yes	Yes	Yes	Yes	Yes	Yes

Note: Emissions are in Tons per Year

6.2.3.4 Comparison to Project Operation Emissions

Operational criteria pollutant emissions were obtained from measurements, fuel use, or calculations for the following sources that generated emissions during operation of the Project:

- On-site stationary sources;
- Off-site motor vehicle exhaust (primarily delivery trucks); and
- Off-site motor vehicle fugitive PM emissions from entrained dust.

The maximum annual operating emissions were taken from FSA Air Quality Table 7, IECC Project, Estimated Maximum Emissions during Operation.

Emissions from on-site stationary sources during 2018 are based on the annual emission report submitted to the SCAQMD. Exhaust and fugitive PM emissions from off-site motor vehicles were calculated using the same approaches that were used to estimate emissions from these sources during the demolition activities.

Comparison of demolition emissions to maximum annual operating emissions and comparison of demolition emissions to 2018 operational emissions are summarized in Tables 6.2-3 and 6.2-4. Estimated emission calculations are provided in Appendix A. As indicated, criteria pollutant emissions during demolition are estimated to be lower than operational emissions during 2018. Therefore, impacts from criteria pollutant emissions during demolition will be less than impacts during Project operation in 2018, which were themselves significantly less than the maximum annual operational emissions found to be less than significant in the Commission Decision.

Table 6.2-3 Comparison of Demolition Criteria Pollutant Emissions with Maximum Annual Operating Emissions

SOURCE	VOC	CO	NOx	SOx	PM10	PM2.5
Total Demolition Emissions	0.21	0.78	4.04	0.01	0.09	0.01
Maximum Yearly Operating Emissions	48.1	418.2	169.4	14.0	105.1	N/A
Demolition Emissions Less Than Maximum Operating Emissions?	Yes	Yes	Yes	Yes	Yes	N/A

N/A – Not Available
Emissions are in Tons per Year

Table 6.2-4 Comparison of Demolition Emissions with 2018 Operational Emissions

SOURCE	VOC	CO	NOx	SOx	PM10	PM2.5
Total Demolition Emissions	0.21	0.78	4.04	0.01	0.09	0.01
2018 Operating Emissions	1.471	2.13	5.27	0.51	2.74	N/A
Demolition Emissions Less Than 2018 Operating Emissions?	Yes	Yes	Yes	Yes	Yes	N/A

N/A – Not Available
Emissions are in Tons per Year

6.2.3.5 Greenhouse Gas Emissions

Fuel combustion during demolition activities will also generate emissions of greenhouse gases (GHG) (carbon dioxide [CO2], methane [CH4] and nitrous oxide [N2O]). Fuel combustion during operation of the Project to generate electricity also generated emissions of these pollutants. GHG emissions anticipated to occur during demolition activities were estimated and compared with estimated emissions during operation of the Project to evaluate the potential for the demolition activities to increase potential impacts from GHG emissions.

GHG emissions were estimated from the following sources during demolition:

- Off-road equipment exhaust;
- Portable equipment exhaust;
- On-site motor vehicle exhaust; and
- Off-site motor vehicle exhaust.

Off-road equipment exhaust emissions were calculated by multiplying total fuel use for each piece of equipment by equipment-specific emission factors, as found on the CARB

EMFAC2017 web-site. Total fuel use for each type of equipment was estimated by IEEC's demolition contractor and as found in the CARB Executive Order for each vehicle's engine as presented in Appendix A.

On-site and off-site motor vehicle exhaust GHG emissions were calculated in a similar fashion utilizing CARB EMFAC2017 emission factors.

Total GHG emissions over the twelve-month decommissioning and demolition period are summarized in Table 6.2-5. Estimated GHG emissions calculations are provided in Appendix A.

GHG emissions from the following sources that generated emissions during operation of the Project were estimated from:

- On-site stationary sources; and
- Off-site motor vehicle exhaust (primarily five-axle trucks).

Operating emissions were taken from the CARB GHG Report for calendar year 2017, as the 2018 report is not yet verified.

IEEC provided estimates of emissions from on-site stationary sources calculated from records of the amount of fuel combusted. Exhaust emissions from off-site motor vehicles were estimated using the same approaches that were used to estimate criteria pollutant emissions from these sources during the demolition activities.

Total estimated GHG emissions during demolition and during operations in 2017 are summarized in Table 6.2-5. Estimated emission calculations are provided in Appendix A. As indicated, GHG emissions during demolition are estimated to be substantially lower than operational GHG emissions during 2017. Therefore, impacts from GHG emissions during demolition will be substantially less than impacts during Project operation in 2017, which were themselves less than the maximum annual operational emissions found to be less than significant in the Commission Decision.

Table 6.2-5 Comparison of Demolition Greenhouse Gas Emissions with Operations during 2017

SOURCE	CO2e (Metric Tons per Year)
Demolition GHG Emissions	1,284
2017 Facility GHG Emissions	144,827
Demolition GHG Emissions Less Than 2017 Facility GHG Emissions?	Yes

6.2.4 Proposed Conditions

The following conditions are proposed during decommissioning and demolition to ensure that activities conform with applicable LORS:

D-AQ-1 The Project owner shall ensure that all applicable portable equipment used by the demolition contractor shall be registered through the CARB Portable Equipment Registration Program (PERP).

Verification: The Project owner or its contractor will maintain on-site records of equipment that is brought on-site. The Project owner will furnish the records to the CPM upon request.

D-AQ-2: The Project owner shall ensure that equipment used during decommissioning is maintained in proper operating condition to avoid visible emissions darker than Ringlemann #1 for periods greater than three minutes in any hour.

Verification: The Project owner or its contractor shall maintain records of equipment maintenance activities and furnished to the CPM upon request.

D-AQ-3: The Project owner shall ensure a Dust Control Plan for decommissioning and demolition is prepared and submitted to the SCAQMD for approval.

Verification: The Project owner or its contractor shall submit the Dust Control Plan to the SCAQMD at least 30 days prior to the commencement of demolition activities with a copy provided to the CPM. The Project owner or its contractor shall submit a copy of the SCAQMD's written approval of the Dust Control Plan to the CPM within seven days of receipt of the approval. Project owner is responsible for compliance with the plan.

D-AQ-4 The Project owner shall ensure that the Air Quality Supervisor performs the following:

a) No dust from demolition activities remains visible beyond the property line;
b) No dust emissions exceed 20 percent opacity from vehicle traffic;
c) All active operations at the Project Site utilize applicable Best Available Control Measures, as specified in SCAQMD Rule 403, including all appropriate measures found in Table 1 of Rule 403;
d) All mobile off-road diesel-fueled vehicles operating at the Project Site are:

1) Properly labeled with an Equipment Identification Number (EIN) issued by the CARB;
2) Properly registered in the CARB Diesel Off-road Online Reporting System (DOORS); and

3) Are part of a vehicle fleet that has a current CARB Certificate of Reported Compliance;

e) All mobile on-road diesel fueled vehicles operating at the Project Site are:

1) In compliance with CARB requirements for on-road vehicles for the current compliance year; and
2) Part of a fleet that has properly reported, as necessary, in the CARB Truck Regulation Upload, Compliance and Reporting System (TRUCRS) for which the fleet has a current Certificate of Reported Compliance;

f) Daily records are kept regarding the extent of active operations at the Project Site, including:

1) The nature of daily on-site demolition activities, including an estimate of the tons of various materials handled;
2) The amounts of diesel fuel consumed in each mobile off-road vehicle; and
3) The amounts of materials imported/exported to/from the Project Site.

Verification: The Project owner or its contractor shall submit monthly reports documenting compliance with the duties assigned to the Air Quality Supervisor.

6.3 Public Health

This section presents an analysis of LORS compliance and potential environmental impacts to public health that may result from the proposed decommissioning and demolition of the Project.

6.3.1 Background

The Commission Decision concluded:

> *"The Commission therefore concludes that with implementation of the Condition of Certification below, Project emissions of non-criteria pollutants will not pose a significant direct, indirect, or cumulative adverse public health risk."*[6]

The Commission Decision did not identify any decommissioning conditions specifically related to public health.[7]

[6] Commission Decision, p. 172.

[7] Commission Decision, pp 39-40.

6.3.2 Applicable LORS and Required Permits

LORS potentially applicable to public health during decommissioning and demolition are discussed in Section 6.2 Air Quality and Greenhouse Gases. No other LORS related to public health are applicable or are anticipated.

6.3.3 LORS Conformance and Impact Assessment

Diesel-fueled construction equipment and motor vehicles will emit diesel particulate matter (DPM) during demolition. DPM is a California carcinogenic toxic air contaminant (TAC) as listed in the CARB TAC Identification Program. However, cancer risks from exposure to TACs are generally only estimated for exposure periods of nine (9), thirty (30), and seventy (70) years. The demolition activities will only occur over a one (1) year period, which is much less than the exposure periods that are generally of concern. Furthermore, the emissions of DPM and other TACs will be much lower during demolition than during operation of the Project. Therefore, exposure to DPM emitted during demolition activities is not anticipated to cause a significant public health impact.

Risks to public health could also occur if toxic substances are contained in the structures to be demolished and are emitted during the demolition process. No toxic substances, such as asbestos or lead-based paint, were used during construction of the Project. Prior to initiation of demolition activities, a comprehensive regulated materials survey will be completed for both Units 1 and 2, as well as ancillary structures and systems scheduled for demolition. This survey will identify other materials of concern such as lubricating and cooling oils, process chemicals and universal waste items that will be removed and transported off-site for disposal or reclamation prior to initiation of demolition activities. Considering this, toxic substances will not be emitted during demolition of the Project structures and no impacts to public health are anticipated to occur.

6.3.4 Proposed Conditions

No conditions related to public health are required for decommissioning or demolition.

6.4 Hazardous Materials Management

This section describes the systems and procedures that will be implemented to minimize the potential impacts from storage and use of hazardous materials during decommissioning and demolition activities. Waste management procedures and LORS compliance are discussed in Section 6.5, Waste Management.

6.4.1 Background

The Project has established hazardous materials programs designed to minimize the impact on workers, the community, and the environment.

The Commission Decision concluded:

> *"The Commission therefore concludes that the use of hazardous materials by the Inland Empire Energy Center will not result in any significant adverse public health and safety impacts."*[8]

The Commission Decision did not identify any decommissioning or demolition conditions specifically related to hazardous materials.[9]

6.4.2 Applicable LORS and Required Permits

The LORS applicable to decommissioning and demolition are briefly summarized in Table 6.4-1.

One acutely hazardous material is currently stored at the Project Site in quantities exceeding the reportable amounts defined in the California Health and Safety Code, Section 25532 (j), as summarized below:

- Aqueous ammonia (28 percent ammonia in aqueous solution).

Other hazardous materials stored in smaller quantities, such as mineral and lubricating oils, corrosion inhibitors and water conditioners, are present at the Project Site. Hazardous materials used during demolition will include gasoline, diesel fuel, oil and lubricants. None of these materials pose significant potential for off-site impacts as a result of the quantities on-site, their relative toxicity, and/or their environmental mobility. No acutely toxic hazardous materials will be used onsite during demolition.

Table 6.4-1 LORS Applicable to Hazardous Materials

LORS	DESCRIPTION	COMMENTS
Federal		
The Superfund Amendments and Reauthorization Act of 1986 (42 USC §9601 et seq.).	Contains the Emergency Planning and Community Right to Know Act (also known as SARA Title III).	All materials located on site during operation are being handled and will be removed according to approved plans during decommissioning. Hazardous materials used during demolition will include gasoline, diesel fuel, oil and lubricants.

[8] Commission Decision, p. 186.

[9] Commission Decision, pp.39-40.

LORS	DESCRIPTION	COMMENTS
The Clean Air Act (CAA) (42 USC 7401 et seq. as amended).	Established a nationwide emergency planning and response program and imposed reporting requirements for businesses which store, handle, or produce significant quantities of extremely hazardous materials.	All materials located on site during operation are being handled and will be removed according to approved plans during decommissioning. Hazardous materials used during demolition will include gasoline, diesel fuel, oil and lubricants.
State		
California H&SC §§ 25500 to §§ 25543; 19 CCR §§ 2720 – 2734.	Directs facility owners, storing or handling acutely hazardous materials in reportable quantities, to develop a Risk Management Plan (RMP) and submit it to appropriate local authorities, the USEPA, and the designated local Administering Agency for review and approval.	All materials located on site during operation are being handled and will be removed according to approved plans during decommissioning. Hazardous materials used during demolition will include gasoline, diesel fuel, oil and lubricants.
California Uniform Building Code	Requirements regarding the storage and handling of hazardous materials.	All materials located on site during operation are being handled and will be removed according to approved plans during decommissioning. Hazardous materials used during demolition include gasoline, diesel fuel, oil and lubricants.
Local		
The Certified Unified Program Authority (CUPA) with responsibility to review RMPs and Hazardous Materials Business Plans is the Riverside County of Environmental Health Department.	Requires Consolidated Hazardous Materials Permit (as per H&S Code chapter 6.95) from the County.	All materials located on site during operation are being handled and will be removed according to approved plans during decommissioning. Hazardous materials used during demolition include gasoline, diesel fuel, oil and lubricants.

LORS	DESCRIPTION	COMMENTS
Industry Codes and Standards		
California Fire Code, Chapters 27, 34, and others	Sets forth requirements for the storage and handling of hazardous materials.	All materials located on site during operation are being handled and will be removed according to approved plans during decommissioning. Hazardous materials used during demolition include gasoline, diesel fuel, oil and lubricants.

6.4.3 LORS Conformance and Impact Assessment

Operational hazardous materials, such as aqueous ammonia, will be removed once the Project ceases operation. A summary of hazardous materials used during operation that will be removed prior to the start of demolition is provided in Table 6.4-2.

Table 6.4-2 Operational Hazardous Materials to be Removed Prior to or During Decommissioning

CATEGORY	MATERIAL	CHEMICAL NAME	CONTAINER TYPE (QUANTITY)	ESTIMATED QUANTITY
CG	EPA Protocol Gases	Oxygen (24%) Nitrogen (99%)	Cylinder (16)	2,240 CF
CG	Methane/Ethane	Methane (90%) Ethane (5%)	Cylinder (2)	500 CF
CG	Acetylene	Acetylene (100%)	Cylinder (4)	920 CF
CG	Argon	Argon (100%)	Cylinder (2)	582 CF
CG	Carbon Dioxide	Carbon Dioxide (98%)	Tank (1) Cylinder (2)	453,000 CF
CG	Helium	Helium (100%)	Cylinder (4)	1,164 CF
CG	Hydrogen	Hydrogen (100%)	Tube Trailers (2)	104,000 CF
CG	Nitrogen	Nitrogen (100%)	Tanks (2) Cylinders (4)	112,200 CF
CG	Oxygen	Oxygen (100%)	Cylinder (4)	768 CF
CG	Sulfur Hexafluoride	Sulfur Hexafluoride (100%)	Cylinder (3)	8,950 CF
CG	Odorized Commercial Propane	Propane (100%)	Cylinder (20)	2,750 CF
L	Ammonium Hydroxide	Ammonium Hydroxide (30%)	Tank (2)	16,200 G

CATEGORY	MATERIAL	CHEMICAL NAME	CONTAINER TYPE (QUANTITY)	ESTIMATED QUANTITY
L	Biomate MBC2881	Amide (40%) Sodium Bromide (7%)	Tank/Tote (1)	550 G
L	Conntect 6000	Ethylene Glycol (20%) Ethoxylated Alcohols (40%)	Tank/Tote (1)	550 G
L	Corrshield MD4100	Sodium Molybdate (20%) Sodium Nitrate (13%)	Drum (2)	110 G
L	Corrtrol OS5607	Carbonic Dihydrazide (10%)	Tank/Tote (2)	1,100 G
L	Hydrochloric Acid	Hydrochloric Acid (20%)	Drum (2)	110 G
L	Hypersperse MS1310	Not Listed	Tank/Tote (1)	550 G
L	Kleen MCT 103	Phosphoric Acid (20%) Nitriloracetic Acid (1%)	Tote (3)	1,050 G
L	Optisperse HP3100	Sodium Hydroxide (7%)	Tank/Tote (2)	1,100 G
L	Paints	Various	Containers (60)	300 G
L	RO Membrane Cleaner	Various	Tank/Tote (1)	400 G
L	Sodium Hypochlorite	Sodium Hypochlorite (15%) Sodium Chloride (15%) Sodium Hydroxide (1%)	Tank (3)	25,500 G
L	Spectrus DT1404	Sodium Bisulfite (60%)	Tank (1)	550 G
L	Spectrus NX1100	2-Bromo-2-Nitropropane-1,3-Diol (10%) Magnesium Nitrate (5%)	Tank (1)	550 G
L	Steamate NA1321	Ammonium Hydroxide (40%)	Tote (6)	2,100 G
L	Sulfuric Acid	Sulfuric Acid (85%)	Tank (2)	12,000 G
L	Sodium Chloride	Sodium Chloride	Tank (2)	100,000 LB
L	Lube Oil (contained-in equipment)[1]	Lube Oil	Equipment (6)	32,356 G
L	Electric Oil	Electric Oil	Equipment (4)	4,285 G

CATEGORY	MATERIAL	CHEMICAL NAME	CONTAINER TYPE (QUANTITY)	ESTIMATED QUANTITY
	(contained-in equipment)[2]			
L	Diesel Fuel (contained-in equipment)[3]	Diesel Fuel	Equipment (4)	7,800 G
L	Freon-123 Refrigerant (contained-in equipment)[4]	2,2-Dichloro-1,1,1-trifluoroethane	Equipment (4)	12,800 G
S	Lead Acid Batteries	Lead (60%)	Batteries (100)	2,600 LB
HW	SCR Catalyst[5]	Heavy Metals	Equipment	70,000 LB
HW	Used Oil[6]	Used Oil	Tank (6) Oil-Water Separator (1)	4,420 G
UW	Batteries Fluorescent Lamps Electronic Wastes Mercury Wastes	NA	NA	Not Estimated

Notes:

Category Abbreviations

CG = Compressed Gas

HW = Hazardous Waste

UW = Universal Waste

L = Liquids

S = Solids

Quantity Unit Abbreviations

CF = Cubic Feet

G = Gallons

LB = Pounds

[1] – Lube oil contained in equipment to be removed, including Unit #1 and #2 Lube Oil and HPU Skids, and Boiler Feedwater Pumps (2 each)

[2] – Electric oil contained in equipment to be removed, including LCI Transformer, Water Treatment Substation A and B BUS Transformer, and Unit #1 and #2 Cooling Tower AUX Substation A and B BUS Transformers.

[3] – Diesel fuel contained in Unit #1 and #2 emergency generators, diesel firewater pump, and Hazmat Storage Area diesel tank. Note that some of remaining fuel will be used by onsite equipment utilized during demolition.

[4] – Freon 123 contained in chiller units (4 total). Refrigerant to be removed by a licensed refrigeration technician.

[5] – Material not considered a hazardous waste until removed from process and relinquished or intended for disposal.

[6] – Includes used oil, waste oil, and oily water contained in fuel gas drain tanks (2), compressor drain tanks (2), fuel gas reception drain tank (1), Hazmat Storage Area Used Oil Tank (1), and Oil Water Separator (1).

Several plans will be updated or closed as the Project transitions from operation through decommissioning and demolition. The facility Hazardous Materials Business Plan

(HMBP) outlines hazardous materials handling, storage, spill response, and reporting procedures that will be updated as materials are removed, and tanks are decommissioned. The existing Risk Management Plan will be closed after the aqueous ammonia is removed and the tanks containing this material are demolished. The existing Spill Prevention Control and Countermeasure (SPCC) Plan will be closed after decommissioning activities are complete and no potential for spillage remains.

Small quantities of spilled fuel oil, hydraulic fluid and grease drippings from equipment may occur during demolition. Such materials generally have a low relative risk to human health and the environment. If there is a large spill, the spill area will be bermed or controlled as quickly as is practical to minimize the footprint of the spill. Contaminated soil and materials produced during cleanup of a spill will be placed into DOT-approved drums or containers for off-site disposal as a hazardous waste at a permitted hazardous waste transfer, storage, and disposal facility (TSDF). If a spill or leak into the environment involves hazardous materials equal to or greater than the specific reportable quantity, federal, State, and local reporting requirements will be adhered to.

Hazardous materials that are anticipated to be supplied and used by the demolition contractor include gasoline, diesel fuel, oil, and lubricants. The contractor will be responsible for verifying that the use, storage, and handling of these materials are in compliance with applicable federal, state, and local requirements, including licensing, personnel training, accumulation limits, reporting requirements, and recordkeeping.

A summary of hazardous materials anticipated during decommissioning and demolition is provided in Table 6.4-3. No acutely hazardous substances will be used or stored during decommissioning and demolition.

Table 6.4-3 Hazardous Materials Present During Decommissioning and Demolition Activities

MATERIAL	CAS NO.	APPLICATION	HAZARDOUS CHARACTERISTICS	MAXIMUM QUANTITY ON SITE
Acetylene gas	74-86-2	Welding gas	Health: moderate toxicity Physical: combustible, flammable Hazard class: Toxic	600 cubic feet
Argon gas	7440-37-1	Welding gas	Health: low toxicity Physical: non-flammable gas	600 cubic feet
Oxygen	7782-44-7	Welding gas	Health: low toxicity Physical: oxidizer	600 cubic feet
Batteries (Lead Acid)	7439-92-1	Equipment	Health: N/A Physical: N/A	60 each

MATERIAL	CAS NO.	APPLICATION	HAZARDOUS CHARACTERISTICS	MAXIMUM QUANTITY ON SITE
Diesel fuel	68476-34-6	Equipment fuel	Health: low toxicity Physical: combustible liquid	2,500 gallons
Hydraulic fluid	64741-89-5	Equipment (e.g., drive units)	Health: low to moderate toxicity Physical: Class IIIB combustible liquid	20 gallons per tracker drive unit, maintenance inventory of 55 gallons
Lube Oil	64742-65-0	Lubricate rotating equipment	Health: low toxicity Physical: N/A	Maintenance inventory in 55-gallon drums

6.4.4 Proposed Conditions

IEEC personnel and the demolition contractor will implement the various hazardous materials management programs, plans, and procedures during decommissioning and demolition to comply with applicable regulatory requirements. Decommissioning and demolition will not have significant impacts due to hazardous materials; however, the following conditions are proposed to be implemented before the start of work.

D-HM-1 The project owner shall update the Hazardous Materials Business Plan as needed to reflect the use of hazardous materials during decommissioning that have not been previously used at the site.

Verification: If hazardous materials that have not previously been used at this site are needed, the project owner or their contractor shall prepare and submit a revised HMBP to the CPM and Fire Department within one week of determination.

D-HM-2 The project owner shall direct and require all vendors delivering any hazardous material to the Project Site to use only the route previously approved by the CPM (I-215 to Ethanac Road to Antelope Road and then into the Project Site) as required by Condition of Certification HAZ-10. The project owner shall obtain approval of the CPM if an alternate route is desired.

Verification: Not required, as this in an extension of an existing condition of certification.

D-HM-3 The project owner shall direct all vendors carrying any liquid hazardous materials greater than 500 gallons not to deliver during the time in the mornings and afternoons when children are going to and from school, as required by Condition of Certification HAZ-11.

Verification: Not required, as this in an extension of an existing condition of certification.

6.5 Waste Management

This section presents an analysis of the potential adverse environmental impacts and LORS compliance related to the wastes that will be generated during the Project decommissioning and demolition. Management and discharge of wastewater is addressed in Section 6.9. Additional information related to waste management is also provided in the Section 6.6, Worker Safety and Fire Protection, and Section 6.4, Hazardous Materials.

After cessation of operations, all remaining non-hazardous wastes will be collected and disposed of in appropriate recycling centers, landfills, or waste collection facilities. Hazardous wastes will be disposed of according to all applicable LORS. The site will be secured 24 hours per day during decommissioning and demolition activities.

Decommissioning activities include removal of products such as hydraulic, lubricating, and mineral oils and process-related chemicals to reduce the risk of worker exposure and the potential for release to the environment. All operational liquids and chemicals, including water treatment chemicals, calibration and other compressed gas cylinders, and any maintenance lubricants, solvents, and cleaners, are expected to be removed during the decommissioning phase and prior to demolition. To the extent possible, unused or partially used containers will be returned to the vendor for recycling.

Hazardous materials containers and pipelines will be rinsed clean when feasible and rinsate collected for off-site disposal. When possible, these materials will be placed directly into tanker trucks or other transport vessels and removed from the Project Site at the point of generation in order to minimize the need for on-site storage.

Demolition will entail breakdown and removal of applicable structures and facilities. Mechanized equipment and trained personnel will be used to safely dismantle and remove structures. Most major equipment is targeted for reuse or resale on the secondary markets. Debris and equipment that is not removed intact will be placed in temporary on-site storage areas pending transportation to selected recycling and/or disposal facilities.

6.5.1 Background

The Project has several existing waste management programs to minimize the impacts on the environment. These programs will be revised as necessary as the Project transitions from operation to closure.

The Commission Decision concluded:

> *“The Commission therefore concludes that the management of project wastes will comply with all applicable laws, ordinances, regulations, and*

standards related to waste management as identified in the pertinent portion of Appendix A of this Decision."[10]

The Commission Decision did not identify any decommissioning or demolition conditions specifically related waste management.[11]

6.5.2 Applicable LORS and Required Permits

The applicable LORS are briefly discussed and summarized in Table 6.5-1.

Table 6.5-1 LORS Applicable to Waste Management

LORS	DESCRIPTION	COMMENTS
Federal		
Resource Conservation and Recovery Act (42 U.S.C. § 6922)	Establishes requirements for the management of hazardous wastes from the time of generation to the point of ultimate treatment or disposal.	All hazardous wastes generated will be removed according to approved plans. Hazardous wastes generated during demolition may potentially include waste fuel, lubricants, oil, and sorbent media.
Title 40, Code of Federal Regulations, part 260	These sections contain regulations promulgated by the EPA to implement the requirements of RCRA.	All hazardous wastes generated will be removed according to approved plans. Hazardous wastes generated during demolition may potentially include waste fuel, lubricants, oil, and sorbent media.
Comprehensive Environmental Response, Compensation and Liability Act: (Superfund) Title 42, USC, §§ 9601, et seq.	Establishes mechanisms for the cleanup of accidental spills or releases of pollutants into the environment.	The facility HMBP outlines spill response and reporting procedures to be followed during decommissioning and demolition.

[10] Commission Decision, p. 206.

[11] Commission Decision, pp. 39-40.

LORS	DESCRIPTION	COMMENTS
State		
California Health and Safety Code, Section 25100 et seq. (Hazardous Waste Control Act of 1972, as amended).	Creates the framework under which hazardous wastes must be managed in California.	All hazardous wastes generated will be removed according to approved plans. Hazardous wastes generated during demolition may potentially include waste fuel, lubricants, oil, and sorbent media.
Title 14, California Code of Regulations, Section 17200 et seq. (Minimum Standards for Solid Waste Handling and Disposal)	Establish minimum standards for solid waste handling and disposal and guidelines to ensure conformance of solid waste facilities with county solid waste management plans; as well as enforcement and administrative provisions.	Applies to facilities receiving non-hazardous waste materials generated during facility decommissioning and demolition. No wastes will be disposed at the Project Site.
Title 22, California Code of Regulations, Section 66262.10 et seq. (Generator Standards)	Establish requirements for generators of hazardous waste.	All hazardous wastes generated will be removed according to approved plans. Hazardous wastes generated during demolition may potentially include waste fuel, lubricants, oil, and sorbent media.
Title 22, California Code of Regulations, Section 67100.1 et seq. (Hazardous Waste Source Reduction and Management Review)	Establish reporting requirements for generators of certain hazardous and extremely hazardous wastes in excess of specified limits.	The requirements of this section apply to routinely generated wastes from ongoing processes or operations. These requirements do not apply to facility decommissioning or demolition.

LORS	DESCRIPTION	COMMENTS
Title 24, California Code of Regulations, Part 11, Section 5.408 (California Green Building Standards Code)	Establishes standards for construction waste management and recycling or salvage of a minimum of 65% of nonhazardous construction and demolition waste.	IEEC expects to sell or recycle much of the Project equipment and waste, satisfying the 65% diversion requirements.
Local		
The Riverside County Department of Environmental Health.	Administers the California laws and regulations for both solid and hazardous wastes in the proposed project area. This agency has been designated as the local hazardous waste Certified Unified Program Agency (CUPA) by the state of California.	All hazardous wastes generated will be removed according to approved plans. Hazardous wastes generated during demolition may potentially include waste fuel, lubricants, oil, and sorbent media.

No new permits will be required during decommissioning or demolition regarding hazardous waste management; however, some existing permits will be required to remain open until decommissioning and demolition are completed. During decommissioning and demolition, IEEC will use the existing EPA identification number and Hazardous Materials Handler and Hazardous Waste Generator permit from Riverside County Department of Environmental Health, which is the CUPA.

To close out the AST permits, Hazardous Materials Business Plan (HMBP), hazardous waste generation, and hazardous materials management plans and inventory statements, the CUPA will be contacted to arrange for an exit inspection. The CUPA will then close the above permits.

Existing permits related to waste management are shown in Table 6.5-2.

Table 6.5.2 Required Permits for Waste Management

PERMIT	ISSUING AGENCY	REQUIREMENT	SCHEDULE
EPA ID number	EPA	Must have an EPA ID number to ship hazardous waste	N/A – will use existing facility EPA ID number (CAR000216952) through decommissioning and demolition

PERMIT	ISSUING AGENCY	REQUIREMENT	SCHEDULE
Hazardous Materials Handler and Hazardous Waste Generator permit	CUPA	Required to store hazardous materials and generate hazardous waste within the County	N/A – will use the existing permit through decommissioning and demolition
Aboveground Storage Tank permit	CUPA	Required to store hazardous materials in a storage tank	N/A – will use existing permits through decommissioning and demolition

6.5.3 LORS Conformance and Impact Assessment

Prior to decommissioning, facility personnel will use all hazardous and non-hazardous materials to the extent possible to minimize waste generation and truck trips. Any remaining fluids and gasses will be drained and either returned to the vendor, sold, or disposed of in a permitted waste disposal facility. Table 6.5-3 summarizes the anticipated waste streams generated during decommissioning and demolition activities, along with appropriate management methods for treatment, recycling, or disposal.

Table 6.5-3 Summary of Decommissioning and Demolition Waste Streams and Management Methods

WASTE STREAM AND CLASSIFICATION[1]	ORIGIN AND COMPOSITION	ESTIMATED AMOUNT	ESTIMATED FREQUENCY OF GENERATION	WASTE MANAGEMENT METHOD	
				ON-SITE	OFF-SITE
Compressed Gases[2]					
Acetylene	Hazmat Storage Area Compressed gas cylinder	920 cubic feet	One time	None	Return to vendor
Argon	Hazmat Storage Area Compressed gas cylinders	582 cubic feet	One time	None	Return to vendor
Carbon Dioxide	Various Locations Tank and Compressed gas cylinders	453,000 cubic feet	One time	None	Return to vendor

WASTE STREAM AND CLASSIFICATION[1]	ORIGIN AND COMPOSITION	ESTIMATED AMOUNT	ESTIMATED FREQUENCY OF GENERATION	WASTE MANAGEMENT METHOD	
				ON-SITE	OFF-SITE
Helium	Various Locations Compressed gas cylinders	1,164 cubic feet	One time	None	Return to vendor
Hydrogen	East of Units 1 and 2 Tube Trailers	104,000 cubic feet	One time	None	Return to vendor
Nitrogen	Units 1 and 2 Skids Tanks (2) Various Locations Compressed gas cylinders	112,200 cubic feet	One time	None	Return to vendor
Oxygen	Hazmat Storage and Maintenance Shop Compressed gas cylinders	768 cubic feet	One time	None	Return to vendor
Propane (Commercial)	Warehouse and Units 1 and 2 Compressed gas cylinders	2,750 cubic feet	One time	None	Return to vendor
Sulfur Hexafluoride	Various Locations Compressed gas cylinders	8,950 cubic feet	One time	None	Return to vendor

WASTE STREAM AND CLASSIFICATION[1]	ORIGIN AND COMPOSITION	ESTIMATED AMOUNT	ESTIMATED FREQUENCY OF GENERATION	WASTE MANAGEMENT METHOD	
				ON-SITE	OFF-SITE
Universal Wastes[3]					
Batteries	In Existing Equipment	Not Estimated	One time	None	Recycle
Electronic Wastes	In Existing Equipment	Not Estimated	One time	None	Recycle
Fluorescent Lamps/Signs	In Structures	Not Estimated	One time	None	Recycle
Mercury Waste	In Existing Equipment and Structures	Not Estimated	One time	None	Recycle
Liquids[3]					
Ammonium Hydroxide	Near Cooling Towers Tanks (2)	16,200 gallons	One time	None	Return to vendor
Biomate MBC2881	Water Treatment Building Tote	550 gallons	One time	None	Return to vendor
Conntect 6000	Between Units 1 and 2 Tote	550 gallons	One time	None	Return to vendor
Corrshield MD4100	Auxiliary Cooling System Drums	110 gallons	One time	None	Return to vendor
Corrtrol OS5607	Unit 1 and 2 Condenser Tank/Tote	1,100 gallons	One time	None	Return to vendor
Hydrochloric Acid	Water Treatment Building Drums	110 gallons	One time	None	Return to vendor
Hypersperse MS1310	Water Treatment Building Tank/Tote	550 gallons	One time	None	Return to vendor

WASTE STREAM AND CLASSIFICATION[1]	ORIGIN AND COMPOSITION	ESTIMATED AMOUNT	ESTIMATED FREQUENCY OF GENERATION	WASTE MANAGEMENT METHOD	
				ON-SITE	OFF-SITE
Kleen MCT 103	Water Treatment Building Totes	1,050 gallons	One time	None	Return to vendor
Optisperse HP3100	Units 1 and 2 Tank/Tote	1,100 gallons	One time	None	Return to vendor
Paints	Hazmat Storage Area 5-Gallon Containers	300 gallons	One time	None	Offsite Recycle
RO Membrane Cleaner	Water Treatment Building Tank/Tote	400 gallons	One time	None	Return to vendor
Sodium Chloride	Outside Water Treatment Building Tanks	100,000 pounds	One time	None	Return to vendor
Sodium Hypochlorite	Water Treatment Building Tank	25,500 gallons	One time	None	Return to vendor
Spectrus DT 1404	Water Treatment Building Tank	550 gallons	One time	None	Return to vendor
Spectrus NX1100	Water Treatment Building Tank	550 gallons	One time	None	Return to vendor
Steamate NA1321	Power Blocks Totes	2,100 gallons	One time	None	Return to vendor
Sulfuric Acid	Water Treatment and Cooling Tower Tanks	12,000 gallons	One time	None	Return to vendor

WASTE STREAM AND CLASSIFICATION[1]	ORIGIN AND COMPOSITION	ESTIMATED AMOUNT	ESTIMATED FREQUENCY OF GENERATION	WASTE MANAGEMENT METHOD	
				ON-SITE	OFF-SITE
Petroleum Hydrocarbons and Refrigerants (Contained in Equipment)[3]					
Diesel Fuel (excess)	Emergency Generators Firewater Pump Hazmat Diesel Tank	7,800 gallons	One time	None	Return to vendor or recycle offsite
Electric Oil	Transformer Substations	4,285 gallons	One time	None	Return to vendor or recycle offsite
Freon-123	Chiller Units	12,800 gallons	One time	None	Removal by Licensed Refrigerant Technician and Recycle offsite
Lube Oil	Lube Oil Skids HPU Skids Boiler Feedwater Pumps	32,400 gallons	One time	None	Return to vendor or recycle offsite
Used Oil	Fuel Gas Drain Tanks Compressor Drain Tanks Fuel Gas Reception Tank Hazmat Used Oil Tank Oil-Water Separator	4,420 gallons	One time	None	Recycle or use for energy recovery
Process-Related Solid Wastes[4]					
SCR Catalyst	SCR Catalyst Units	70,000 pounds	One time	None	Return to Manufacturer for recycling or Dispose in Class I landfill

WASTE STREAM AND CLASSIFICATION[1]	ORIGIN AND COMPOSITION	ESTIMATED AMOUNT	ESTIMATED FREQUENCY OF GENERATION	WASTE MANAGEMENT METHOD	
				ON-SITE	OFF-SITE
Demolition Wastes[5]					
Demolition Waste - Hazardous	Empty hazardous material containers	~ 1 cubic yard per week	Intermittent	None. Accumulate on-site for <90 days	Return to vendor or dispose in a permitted waste disposal facility
Demolition waste - Hazardous	Solvents, used oil and lubricants	~ 400 gallons	Intermittent	None. Accumulate on-site for <90 days	Recycle, treat, or dispose at a Class I Landfill
Demolition waste - Nonhazardous	Scrap wood, concrete, steel, glass, plastic, paper, insulation	~ 600 tons/week	Intermittent	None	Recycle wherever possible, otherwise dispose to Class III landfill
Sanitary waste– Non-hazardous	Portable chemical toilets – sanitary waste	~ 200 gallons / day	Periodically pumped to tanker truck by licensed contractors	None	Ship to sanitary wastewater treatment plant
Non-RCRA hazardous waste	Used Oily Rags, Pig Blankets, Adsorbent Material	500 pounds	Intermittent	None	Recycle or dispose off-site at a Class I Landfill

Notes:

[1]Classification under Title 22, CCR § 66261.20 et seq, where applicable

[2]Removal of compressed gas cylinders that are not required to support Project demolition activities will occur in Phase 1 of the decommissioning and demolition.

[3]Removal of residual liquids, decontamination fluids, and universal wastes will occur during Phase 1 of the decommissioning and demolition. These materials do not become wastes until they are removed and intended to be discarded during decommissioning.

[4]Category includes solid hazardous materials that become wastes when removed or intended to be discarded during decommissioning.

[5]Solid and/or recyclable wastes generated during Phase 2 of the decommissioning and demolition will include construction and demolition (C&D) wastes (e.g., steel support, structures, and concrete foundations) and incidental hazardous wastes associated with construction support activities. Hazardous wastes generated during decommissioning will be temporarily stored on site pending completion of profile

WASTE STREAM AND CLASSIFICATION[1]	ORIGIN AND COMPOSITION	ESTIMATED AMOUNT	ESTIMATED FREQUENCY OF GENERATION	WASTE MANAGEMENT METHOD	
				ON-SITE	OFF-SITE
documents, hazardous waste manifests, and arrangements for transport to a licensed Class I disposal facility. One time – Term relates to the intent to manage like wastes during a specific phase of project activities. Waste generation may occur on an intermittent basis, but would not occur during multiple phases of the project execution. Intermittent – Term applies to wastes that may be generated during more than one phase of project activities (i.e., decommissioning, demolition, and site restoration). Wastes that may be generated during abatement activities (e.g., asbestos containing materials) are not included in this summary. A detail hazardous materials assessment will be performed prior to commencing demolition activities to identify regulated materials that may be present in building structures or equipment (e.g., flange/valve gaskets). Any hazardous waste generated during asbestos abatement activities will be managed and disposed of in accordance with applicable standards.					

6.5.3.1 Environmental Site Assessment

A Phase I Environmental Site Assessment (ESA) of the Project Site was prepared in May 2019 in in accordance with American Society for Testing and Materials (ASTM) Standard Practice E1527-13 (“Phase I ESA”). A copy of the Phase I ESA Report is included as Appendix B of this Plan.

According to historical research conducted as part of the Phase I ESA, the Project Site was under cultivation from at least the late 1930s until the Project was constructed beginning in the mid-2000s. Although non-adjacent residential and commercial buildings were present a short distance to the north and northeast along Ethanac and Pinacate Roads in increasing density since at least 1938, adjacent properties were either vacant or under cultivation until power transmission towers were constructed on the south-adjacent parcel sometime between 1985 and 1989. The asphalt and cement production plants located on the north-adjacent parcel were constructed sometime between 1989 and 2002. Between 2002 and the present, various lots located across Antelope Road to the west, appear to have been in intermittent use as equipment yards. The west-adjacent RV yard first appears in a 2012 aerial photograph.

A search of environmental databases found that the Project Site is listed in a number of databases. None of the listings was judged an indicator of an unresolved release or threatened release of a petroleum product, and other material of concern, and therefore, is not considered to represent an environmental concern to the property.

The Phase I ESA did not identify any *recognized environmental conditions* (RECs) within the Project Site boundaries.

6.5.3.2 Non-Hazardous Solid Waste Generation and Disposal

During decommissioning and demolition, the following non-hazardous wastes will be generated:

- *Universal Waste:* Information on universal wastes anticipated to be generated is provided in Table 6.5-3. Universal wastes and unusable materials will be handled, stored, and managed per California Universal Waste requirements and will not be disposed of in Class II landfills.
- *Non-Hazardous Solid Waste:* Solid waste generated will include lumber, plastic, metal, glass, concrete, and empty non-hazardous containers. Management and disposal of these wastes will be the responsibility of the decommissioning contractor. Typical management practices for this material include mainly recycling and proper storage of waste to prevent wind dispersion. The majority of the non-hazardous solid wastes, including ferrous and non-ferrous metals, concrete, and wood waste, will be recycled. Consideration will also be given to recycling plastic, glass, and insulation if suitable recycling options are identified for these materials. Any remaining non-hazardous solid wastes that are not suitable for recycling will be transported to approved local Class III landfills for disposal, The quantity of solid wastes generated during decommissioning and demolition are not expected to significantly impact the capacity of the Class III landfills in Riverside County.
- *Wastewater*: Wastewater generated will include sanitary wastes, dust suppression drainage, and equipment wash water. Sanitary wastes, collected in portable self-contained chemical toilets, will be pumped periodically. Potentially contaminated equipment wash water will be contained at designated wash areas and transported to an authorized wastewater treatment facility via a licensed hauler.

There are three active Class III landfills located within approximately 30 miles of the Project Site, including the Lamb Canyon, El Sobrante, and Badlands landfills. In addition, the Robert A. Nelson Transfer Station and Materials Recovery Facility accepts mixed materials, construction and demolition debris, and wood waste for recycling. The three Class III disposal facilities possess a total of more than 150 million cubic yards of remaining capacity and are expected to remain operational through at least 2022 (Badlands) and 2051 (El Sobrante). The maximum landfill capacity, daily operating rate, and remaining capacity of the three Class III landfills that will accept nonhazardous solid wastes from the Project are summarized in Table 6.5-4.

Table 6.5-4 Non-Hazardous Solid Waste Disposal Facilities

Waste Disposal Site	Title 23 Class	Maximum Permitted Capacity[1] (tons/day)	Current Operating Rate[2] (tons/day)	Remaining Capacity[1] (cubic yards)	Estimated Closure Date
Lamb Canyon Sanitary Landfill 16411 Lamb Canyon Road Beaumont, CA 92223	Class III	5,000	1,600	19,242,950	2029
El Sobrante Landfill 10910 Dawson Canyon Road Corona, CA 91719	Class III	16,054	9,300	143,977,170	2051
Badlands Sanitary Landfill 31125 Ironwood Avenue Moreno Valley, CA 92555	Class III	4,800	2,400	15,748,799	2022
Robert A Nelson Transfer Station and MRF 1830 Agua Mansa Road Riverside, CA 92509	NA	4,000	2,000	NA	NA

Source: CalRecycle SWIS Facility Detail May, 2019

[1] Permitted and Remaining Capacity as of most recent date of calculation

[2] Current operating rate based on 2018 data

NA – Not Applicable or Not Available

A comparison of the potential waste generation in Table 6.5-3 to the landfill capacities shown in Table 6.5-4 demonstrates that there is sufficient off-site landfill capacity for Project wastes generated during decommissioning and demolition.

6.5.3.3 Hazardous Waste Generation and Disposal

A summary of the hazardous wastes generated during decommissioning and demolition is provided in Table 6.5-3. Most of the hazardous wastes generated during decommissioning (e.g., solvents and vehicle and equipment maintenance-related materials) will be recycled. Empty containers will be returned to the appropriate vendor, if possible. Any hazardous waste generated during decommissioning that cannot be recycled will be transported off-site by a licensed and permitted hazardous waste transporter to a permitted treatment, storage, and disposal facility (TSDF).

In the unlikely event that contaminated soil is encountered during excavation, the soil will be segregated, sampled, and subjected to laboratory analysis to determine appropriate waste classification and treatment and disposal options. If the soil is classified as hazardous, the CPM will be notified, and the soil will be transported to a Class I landfill or other appropriate soil treatment and recycling facility.

The two Class I landfills in California permitted to accept hazardous wastes are the Waste Management, Inc. Kettleman Hills and Clean Harbors Buttonwillow LLC facilities located in Kings and Kern County, respectively. The Kettleman Hills facility accepts Class I solid and Class II solid and liquid wastes, while the Buttonwillow facility accepts Class I solid wastes. While details regarding the remaining capacity of the Buttonwillow

facility are not known, the remaining capacity of the Kettleman Hills facility far exceeds the anticipated quantity of hazardous waste that may be subject to landfill disposal.

As was previously discussed, the majority of the liquid hazardous materials that are associated with facility operations is intended to be returned to the vendor or recycled. Similarly, oil and oily liquid wastes generated during decommissioning will be transported off-site for recycling and would not be subject to landfill disposal. For select liquid wastes, the World Oil Recycling facility located in Compton (Los Angeles County), is a RCRA-permitted Part B TSDF that recycles used oil, wastewater, and antifreeze.

The capacities of hazardous waste TSDF facilities that will accept hazardous liquid and/or solid wastes from the Project are summarized in Table 6.5-5.

Table 6.5-5 Hazardous Waste Treatment, Storage, and Disposal Facilities

TSDF Site	Title 23 Class	Maximum Permitted Capacity[1] (tons/day)	Current Operating Rate[2] (tons/day)	Remaining Capacity[1] (cubic yards)	Estimated Closure Date
Kettleman Hills Landfill 35251 Old Skyline Road Kettleman City, CA 93239	Class I Class II	8,000	480	6,000,000	NA
Clean Harbors Buttonwillow LLC 2500 West Lokern Road Buttonwillow, CA 93206	Class I	10,500	100	NA	2040
World Oil Recycling 2000 North Alameda Street Compton, A 90222[3]	NA	781,000	500,000	NA	NA

Source: CalRecycle SWIS Facility Detail May, 2019

[1] Permitted and Remaining Capacity as of most recent date of calculation

[2] Current operating rate based on 2018 data

[3] World Oil Recycling is a RCRA Part B permitted TSDF and accepts certain hazardous and non-hazardous liquid wastes (e.g., oil, oily water, antifreeze). Permitted capacities and operating rates are for waste oil only and expressed in gallons per day.

NA – Not Applicable or Not Available

The small quantities of hazardous waste that cannot be recycled are not expected to significantly impact the capacity of the Class I landfills located in California.

6.5.4 Proposed Conditions

During decommissioning, IEEC and its contractor will continue to implement the various operational waste management programs and procedures that are currently in effect and will comply with the applicable regulatory requirements. In order to ensure compliance with LORS and to demonstrate that waste generated during decommissioning and demolition will not have significant impacts, the following conditions are proposed:

D-WM-1 The project owner shall ensure its contractor ships all hazardous waste, as defined under the applicable regulations, resulting from decommissioning and demolition, to a Class I or II disposal facility or to a permitted TSDF authorized to treat specified waste streams.

Verification: The project owner or its contractor will submit records of the types, quantities, and disposition of hazardous waste generated during decommissioning and demolition to the CPM upon completion of decommissioning and demolition.

D-WM-2 The project owner shall require its contractor to prepare a Construction Waste Management Plan that identifies the non-hazardous demolition waste materials to be diverted from disposal by salvage, sale, recycling, or other form of disposal diversion.

Verification: The project owner or its contractor will prepare and submit the Construction Waste Management Plan to the CPM prior to commencing demolition. Subsequent updates or modifications to the Construction Waste Management Plan will be maintained onsite. Following completion of demolition, records and documentation of the types, quantities, and disposition of nonhazardous demolition wastes diverted will be submitted to the CPM.

D-WM-3 The project owner shall direct and require all hazardous waste transporters removing hazardous waste from the Project Site to use only the reverse of the route previously approved by the CPM as a Condition of Certification HAZ-10 (Project Site to Antelope Road, to Ethanac Road, to I-215). The project owner shall obtain approval of the CPM if an alternate route is desired.

Verification: Not required, as this in an extension of an existing condition of certification.

D-WM-4 If potentially contaminated soil is discovered during excavation, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, a Registered Professional Engineer or Geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and submit a written report to the project owner and CPM stating the recommended course of action. Depending on the nature and extent of contamination, the Registered Professional Engineer or Geologist shall have the authority to temporarily suspect demolition activity at that location for the protection of workers or the public. If, in the opinion of the Registered Professional Engineer or Geologist, significant remediation may be required, the project owner shall contact representatives of the Santa Ana Regional Water Quality Control Board, the Riverside County Department of Environmental Health, and/or the Cypress Regional Office of the California Department of Toxic Substances Control for guidance and possible oversight.

Verification: The project owner or its contractor shall submit any reports filed by the Registered Professional Engineer or Geologist to the CPM with 5 days of their receipt. The project owner or its contractor shall notify the CPM within 24 hours of any orders issued to halt demolition.

6.6 Worker Safety and Fire Protection

This section describes the systems and procedures that will be implemented to provide occupational safety and health protection for IEEC personnel and decommissioning contractors in accordance with applicable requirements and includes descriptions of the health and safety programs that will be used during decommissioning and demolition. The section also provides information on the planned fire prevention and protection program.

6.6.1 Background

The Commission Decision concluded:

> *"The Commission therefore concludes that implementation of the Conditions of Certification below will reduce potential adverse impacts on the health and safety of industrial workers to levels of insignificance."*[12]

The Commission Decision did not identify any decommissioning or demolition conditions specifically related to worker safety.[13]

As the Project transitions from operation to decommissioning and demolition, the existing worker safety programs will be amended, as needed, to reflect this transition and the applicable requirements to protect human health and safety.

6.6.2 Applicable LORS and Required Permits

To ensure a safe and healthy workplace, decommissioning and demolition activities will be performed in accordance with the applicable LORS. The applicable LORS are summarized in Table 6.6-1.

[12] Commission Decision, p. 177.

[13] Commission Decision, pp. 39-40.

Table 6.6-1 LORS Applicable to Worker Safety and Fire Protection

LORS	DESCRIPTION	COMMENTS
Federal		
Federal Occupational Safety and Health Act of 1970, Title 29 of the United States Code, section 651 (29 U.S.C. §§ 651 through 678) and implementing regulations, Title 29 of the Code of Federal Regulations (CFR), General Industry Standards, sections 1910.1 - 1910.1500.	Mandates safety requirements in the workplace.	All applicable regulations will be followed during decommissioning and demolition activities.
Department of Labor, Safety and Health Regulations for Construction Promulgated Under Section 333 of the contract Work Hours and Safety Standards Act, 40 USC 327 et seq. and 29 CFR 1926	Meet employee health and safety standards for construction activities.	All applicable regulations will be followed during decommissioning and demolition activities.
State and Local		
California Occupational Safety and Health Act, 1973	Establishes minimum safety and health standards for construction activities and industrial facilities in California.	These sections provide federal approval of California's plan for enforcement of its own safety and health requirements, in lieu of most of the federal requirements found in 29 CFR §1910.1 to 1910.1500.
California Building Code Title 24, California Code of Regulations (24 CCR § 3, et seq.).	Consists of 11 parts containing the building design and construction requirements relating to fire and life safety and structural safety. The Building Standards Code includes the electrical, mechanical, energy, and fire codes applicable to the Project. Local planning/building and safety departments enforce the California Building Code.	All applicable requirements will be followed during decommissioning and demolition activities.

LORS	DESCRIPTION	COMMENTS
California Fire Code, Part 9 of Title 24 of the California Code of Regulations.	The Fire Code contains general provisions for fire safety.	All applicable requirements will be followed during decommissioning and demolition activities.
Uniform Fire Code (UFC) Standards, a companion publication to the California Fire Code.	Contains standards of the ASTM and the NFPA. Riverside County adopted the 1997 Uniform Fire Code in 1999. The Riverside County Fire Department administers the UFC.	All applicable requirements will be followed during decommissioning and demolition activities.
Industry Codes and Standards		
ANSI A10.6-1983	Safety requirements for demolition operations.	All applicable requirements will be followed during decommissioning and demolition activities.

Required permits regarding worker health and safety for Project decommissioning and demolition are identified in Table 6.6-2. As identified in Table 6.6-2, a construction activities permit is required and includes a safety permit conference appointment at a Cal/OSHA district office. During this conference, IEEC or its contractor will identify the potential safety and health risks with respect to decommissioning activities and present the specific measures that will be taken to minimize the risks to employees and contractors.

Table 6.6-2 Decommissioning Permit Requirements

PERMIT OR APPROVAL	ISSUING AGENCY	REQUIREMENTS	SCHEDULE
Construction Activity (includes demolition)	Cal/OSHA	Permits are required for the following operations: Trenches and excavations of more than five feet below ground surface where personnel are required to enter. Construction of buildings, structures, scaffolding, or false work that are more than three stories high. Demolition of any building, structure, or the dismantling of scaffolding or false work that are more than three stories high.	Submit completed permit application to Cal/OSHA office and receive a permit within 24 hours.

PERMIT OR APPROVAL	ISSUING AGENCY	REQUIREMENTS	SCHEDULE
Erection of a Fixed Tower Crane Permit	Cal/OSHA	Permits are required for the following operations: Erection, climbing, and dismantling of fixed tower cranes. Additionally, notifications to the Cal/OSHA must be made at least 24 hours prior to the initiation of the following activities: Completion of erection and commencement of operation. Climbing of the tower crane. Dismantling of the tower crane.	Submit completed permit application to Cal/OSHA and receive a permit within 24 hours.

6.6.3 LORS Conformance

In order to ensure compliance with LORS specifically during demolition, the existing operations Safety and Health Program for the Project will be replaced by an approved Demolition Safety and Health Program provided by the demolition contractor. The Program will be designed to address the LORS provided in Table 6.6-1, above, and as discussed below.

6.6.3.1 Federal Regulations

Federal construction health and safety regulations are provided in 29 CFR Section 1926. Part 1926 addresses several types of construction activities, such as general safety and health provisions (Subpart C); occupational health and environmental controls (Subpart D); personal protective and lifesaving equipment (Subpart E); fire protection and prevention (Subpart F); material handling, storage, use, and disposal (Subpart H); tools – hand and power (Subpart I); welding and cutting activities (Subpart J); electrical work (Subpart K); scaffolding (Subpart L); fall protection (Subpart M); cranes, derricks, hoists, elevators, and conveyors (Subpart N); motor vehicles and mechanized equipment (Subpart O); excavations (Subpart P); demolition (Subpart T); blasting and the use of explosives (Subpart U); power transmission and distribution (Subpart V); rollover protection structures and overhead protection (Subpart W); stairways and ladders (Subpart X); toxic and hazardous substances (Subpart Z); confined spaces in construction (Subpart AA) and cranes and derricks in construction (Subpart CC). Federal safety and health regulations for construction also are provided in 40 U.S. Code (USC) 327 et seq.; these requirements are addressed in Title 8, California Code of Regulations (CCR), Chapter 4, Subchapter 4, General Construction Safety Orders.

6.6.3.2 State Regulations

Construction safety orders are published in Title 8 of the California Code of Regulations, sections 1502, et seq., and are made public by Cal/OSHA. These requirements apply to

demolition and will be addressed in the Demolition Safety and Health Program, which will include the following elements:

- Demolition Injury and Illness Prevention Plan;
- Demolition Personal Protective Equipment Program;
- Demolition Exposure Monitoring Program;
- Demolition Heat Stress Protection Plan;
- Demolition Emergency Action Plan; and
- Demolition Fire Prevention and Protection Plan.

Additional programs required under General Industry Safety Orders (8 CCR §§ 3200 to 6184), Electrical Safety Orders (8 CCR §§2299 to 2974), and Unfired Pressure Vessel Safety Orders (8 CCR §§ 450 to 544) will be in place during demolition and part of the Demolition Safety and Health Program.

6.6.3.3 Local Regulations and Ordinances

The Riverside County Code of Ordinances includes many county-specific ordinances on topics including fire regulations, hazardous materials, and waste management. In addition, the County Code also adopts and integrates by inclusion into County law several State and Federal codes and standards. In cases of adoption of State or Federal codes, Riverside County may have made modifications or additional changes or standards to tailor the code to the local climatic, geographical and topographical distinctiveness of the County.

6.6.3.4 Industry Codes and Standards

The National Fire Protection Association (NFPA), the American National Standards Institute (ANSI), the American Society of Mechanical Engineers (ASME), the American Welding Society, the Instrument Society of America, and a few other private and industrial organizations have established internal standards regarding the design and operation of industrial facilities and equipment. Many of these standards have been incorporated into Federal and State regulations and into building codes.

6.6.3.5 Hazard Analysis

Workers may be exposed to hazards during decommissioning and demolition of the Project. Implementation of appropriate engineering and administrative controls and use of personal protective equipment can minimize impacts to workers. Existing health and safety programs designed to mitigate hazards and comply with applicable LORS for the operation of the Project will be replaced by an approved Demolition Safety and Health Program provided by the demolition contractor. This Program will be implemented to protect worker health and safety during decommissioning and demolition, including demolition and site cleaning activities.

A hazard analysis of the expected activities during demolition and site clean-up is summarized in Table 6.6-3. This table lists work activities and associated hazards and

shows programs designed to reduce the occurrence of each exposure, work place, or occupational hazard. In order to ensure that the types of work activities, associated hazards and hazard control approaches are appropriate for demolition and site clean-up activities, IEEC or its demolition contractor will update the analyses of hazards and the specifics of control strategies as the demolition and site clean-up proceeds.

Table 6.6-3 Demolition and Site Clean-up Hazard Analysis

ACTIVITY	HAZARD	CONTROL
Construction Vehicles	Collisions resulting in injury and/or equipment damage.	Demolition contractor will implement a Heavy Equipment Safety Program.
Industrial Trucks	Similar to motor vehicle and heavy equipment use.	Demolition contractor will implement a Forklift Operator Training Program.
Elevated Heights	Injury due to falls from elevated heights or struck by falling objects.	Demolition contractor will implement a Fall Protection Program and Scaffolding Safety Program.
Trenching and Excavation	Injury and/or property damage from unsafe trenches and excavations.	Demolition contractor will implement a Trenching and Excavation Safety Program and Confined Space Permit Program.
Use of Cranes or Derricks	Equipment and property damage from falling loads and injuries to workers.	Demolition contractor will implement Crane Permits per Cal/OSHA requirements and Hoisting and Rigging Safety Program.
Plant Systems and General Decommissioning Activities	Injury and property damage from contact with hazardous energy sources (e.g., heat sources, electrical, tools, and mechanical equipment)	Demolition contractor will implement procedures to control energy sources (e.g., Lockout/Tagout Program and Hot Work Permits)
Flammable and Combustible Liquids	Danger of fire or explosion resulting in damage to property and injury to workers.	Demolition contractor will implement a Hazardous Materials Handling Program; Fire Prevention Program; and Proper Housekeeping Program.
Hot Work	Injury and/or property damage due to a fire. Employee exposure to toxic fumes and eye injury due to exposure to ultraviolet and infrared radiation during cutting and welding.	Demolition contractor will implement a Respiratory Protection Program, Hot Work Program, Exposure Monitoring Program, and Proper Housekeeping Program.
Electrical Equipment and Systems	Injury and equipment damage from flashovers or contact with electrical sources.	Demolition contractor will implement an Electrical Safety Program, Personal Protective Equipment Program, and Hazardous Energy Control Program.

ACTIVITY	HAZARD	CONTROL
Hand Tools	Injury from hand and portable power tools.	Demolition contractor will implement a Hand and Portable Power Tool Safety Program, Personal Protective Equipment Program, and Tool Inspection Program.
Confined Spaces	Injury from working in spaces with poor ventilation or oxygen depleted atmosphere.	Demolition contractor will implement a Confined Space Entry Program
Ingress and Egress	Injury and/or property damage from inadequate walking and working surfaces.	Demolition contractor will implement a Proper Housekeeping Program
Hearing Conservation	Injury from overexposure or inadequate hearing protection.	Demolition contractor will implement a Hearing Conservation Program and a Personal Protective Equipment Program
Lifting	Injury from improper carrying or lifting of materials and equipment.	Demolition contractor will implement a Safe Lifting Program and Personal Protective Equipment Program.
Industrial Hygiene	Injury due to exposure or overexposure to hazardous gases, vapors, dusts, and fumes	Demolition contractor will implement a Hazard Communication Program, Respiratory Protection Program, Personal Protective Equipment Program, and Exposure Monitoring Program.
High Pressure Systems	Injury and/or property damage from sudden or unexpected release of high pressure steam or air.	Demolition contractor will implement a Relief Valve Testing Plan and Lockout/Tagout Program

6.6.3.6 Health and Safety Plan

The following components will be addressed by the contractor's Demolition Safety and Health Program. Project health and safety plans and program components will incorporate Project Owner health and safety program requirements, and maintain compliance with those requirements.

- **Demolition Injury and Illness Prevention Plan (IIPP)**

  The demolition contractor will provide a Demolition IIPP, which is required by Title 8 CCR Section 3203. The Demolition IIPP will meet Cal/OSHA Injury and Illness Prevention Program requirements.

- **Demolition Personal Protective Equipment (PPE) Program**

  The demolition contractor will perform demolition related activities in accordance with its PPE Program. The Demolition PPE Program will meet Cal/OSHA PPE Program requirements.

- **Demolition Exposure Monitoring Program (EMP)**

  The demolition contractor's Safety and Health Plan will address regulated exposures that maybe encountered during demolition and site clean-up.

- **Demolition Heat Stress Protection Program (HSPP)**

  IEEC has in place a HSPP that will be adapted for use during demolition and through the use of existing on-site training materials, appropriate local best practices, and lessons-learned conveyed to the demolition contractor for adaption in its HSPP.

- **Demolition Emergency Action Program (EAP)**

  The demolition contractor will provide an EAP. The Demolition EAP will include regulatory requirements such as emergency procedures for the protection of personnel, equipment, the environment, and materials during demolition, an update of the fire and emergency reporting procedures, and response actions for accidents involving personnel and/or property.

6.6.3.7 Decommissioning Fire Protection and Prevention Program

The existing on-site fire protection systems will be non-operational once the 500 kV back feed is removed to allow decommissioning and demolition activities to commence. Prior to cessation of operation or removal of any portion of the existing fire suppression system, fire extinguishers and other portable firefighting equipment will be made available on-site. These fire extinguishers will be maintained for the full decommissioning and demolition duration, in accordance with applicable Cal/OSHA requirements.

Locations of portable fire extinguishers will also include portable office spaces, hot work areas, flammable chemical storage areas, and mobile equipment (e.g., passenger vehicles and earthmoving equipment). Fire-fighting equipment will be located to allow for unobstructed access to the equipment and will be conspicuously marked. Portable firefighting equipment will be routinely inspected per regulatory requirements and replaced immediately, if defective, or if in need of recharge.

Construction fire prevention regulations in Title 8 CCR § 1920 et seq. will be followed, as necessary, to prevent fires during decommissioning and demolition activities.

Special attention will be given to operations involving open flames, such as welding, cutting, and the use of flammable liquids and gases. Personnel involved in such

operations will have appropriate licensing to perform hot work operations in structural demolition. A fire watch, utilizing the appropriate class of extinguishers or other equipment, will be maintained during hazardous or hot work operations. Site personnel will not be expected to fight fires past the incipient stage.

Equipment refueling will be done through use of a temporary, skid mounted 2500-gallon diesel tank constructed in accordance with applicable LORS, including secondary containment. This tank will be serviced by a fuel delivery service as required.

6.6.3.8 Safety Training Program

The demolition contractor's Demolition Safety Training Program will address the training requirements for the specific work activities occurring during demolition in accordance with Cal/OSHA and all other applicable regulations. Table 6.6-4 lists the typical training courses along with the employees who are required to be trained.

6.6.4 Proposed Conditions

Decommissioning and demolition of the Project will not have significant impacts on worker safety; however, the demolition contractor's Demolition Safety and Health Program will comply with applicable Cal/OSHA requirements.

D-WS-1 The project owner shall require its demolition contractor to prepare necessary Health and Safety Plans (IIPP, PPE, EMP, HSPP, EAP) to reflect the activities expected during decommissioning and demolition.

Verification: The project owner or its contractor shall maintain the decommissioning Health and Safety Plans on-site and furnish to the CPM upon request.

D-WS-2 The project owner shall require its demolition contractor to prepare a decommissioning Fire Protection and Prevention Program (FPPP) to reflect the activities expected during decommissioning and demolition.

Verification: The project owner or its contractor shall maintain on-site the decommissioning Fire Protection and Prevention Program, and furnish it to the CPM upon request.

D-WS-3 The project owner shall ensure that all IEEC employees, contractor workers, and visitors that will be on-site during decommissioning and demolition receive safety training specific to the decommissioning and demolition activities.

Verification: The project owner or its demolition contractor shall maintain on-site records showing that all on-site employees, workers and visitors present during decommissioning and demolition activities have received and understand the Safety Training Program. The project owner or its contractor shall furnish the records to the CPM upon request.

Table 6.6-4 Typical Safety Training Courses

TRAINING REQUIREMENT	TARGET EMPLOYEES
Demolition Injury and Illness Prevention Training	All
Demolition Emergency Action Plan Training	All
Demolition PPE Program Training	All
Heavy Equipment Safety Training	Employees working on, near, or with heavy equipment.
Forklift Operation Training	Employees working with forklifts.
Excavation and Trenching Safety Training	Employees involved with trenching or excavation operations.
Fall Protection Training	All
Scaffolding and Ladder Safety Training	Employees required to erect or to use scaffolding and employees using ladders.
Hoist and Rigging Program	Employees and supervisors responsible for conducting hoists and rigging operations.
Crane Safety Training	Employees supervising, crane operators, and employees involved in crane operations.
Demolition Fire Protection and Prevention Training	All
Confined Space Entry Program	All
Blood Borne Pathogens Training	First Responders
Hazard Communication Training	All
Electrical Safety Training	Employees performing work with electrical systems, equipment, or electrical extension cords. Additionally, employees working with lock out/ tag out activities.
Hand and Portable Power Tool Safety Training	All
Heat Stress and Cold Stress Safety Training	All
Hearing Conservation Training	All
Back Injury Prevention Training	All
Safe Driving Training	All

TRAINING REQUIREMENT	TARGET EMPLOYEES
Pressure Vessel and Pipeline Safety Training	Employees supervising or working on pressurized vessel, pipes, or equipment.
Respiratory Protection Training	All employees required to wear respiratory protection equipment.
Hot Work Training	All employees working with welding, heating, or other equipment that generates ignition sources.

6.7 Biological Resources

This section presents an analysis of the LORS compliance related to biological resources that might be impacted during the decommissioning and demolition of the Project.

6.7.1 Background

The Perris Valley, in which the Project is located, has a Mediterranean climate influenced by the Pacific Ocean and is characterized by hot, dry summers and mild, wet winters. Temperatures average from the mid to upper 60s during the winter months, and from the high 80s to the low to mid 90s during the summer months. Average precipitation in the Perris Valley is 12 inches a year of which the majority falls between November and March with local stations recording 9.65 inches so far this year.[14]

The Project Site is located on flat terrain with the immediate surroundings comprised of development with residential communities, small scale agriculture, and commercial and industrial development. To the south of the Project Site are low hills and foothills. Approximately three miles to the northeast are the Lakeview Mountains, approximately two miles east are the Double Butte Mountains, and around 1.35 miles to the south near Sun City is a small unnamed mountain, with Steele Peak further to the west. At the time of Project development, the area was classified as disturbed agricultural land. Vegetation mapping was based on an assessment completed for the draft Western Riverside Multiple Species Habitat Conservation Plan (MSHCP), with the Project Site within the most highly disturbed area[15]. In 2012, the Western Riverside County Regional Conservation Authority updated the vegetation map database and the Project area and immediate surroundings are classified as within the Agriculture Mapping Unit (Cropland, Orchard, or Vineyard) and Urban or Development Mapping Unit[16].

[14] National Weather Service, US Department of Commerce & NOAA available at www.wrh.noaa.gov (accessed 05/09/2019).

[15] Final Staff Assessment, Inland Empire Energy Center, Docket No. 01-AFC-17, May 23, 2003 (FSA), p. 5.2-6.

[16] Vegetation - Western Riverside County Update - 2012 [ds1196]., Aerial Information Systems, Inc., Publication date 2015-03-01.

6.7.1.1 Existing Vegetation and Wildlife

Currently, the Project Site is predominantly hardscape, (asphalt, concrete, and gravel) along with maintained landscaping near the administrative building and along the site boundary that does not provide suitable habitat for protected species. Two on-site water retention ponds contain some native vegetation; mulefat (*Baccharis salicifolia*), cottonwood (*Populus fremontii*), willow (*salix* sp.), as well as a predominance of nonnative vegetation tamarix (Tamarix sp.) tree tabaco (Nicotiana glauca), stinknet (*Oncosiphon piluliferum*), red stemmed filaree (*Erodium cicutarium*), and thistle (*Sonchus* sp.).The retention ponds will be left in place and not be impacted by decommissioning or demolition activities.

To support preparation of the AFC in 2001, IEEC completed a survey of flora and fauna within the Project Site and surrounding area prior to Project construction.[17] Federal and/or state listed plant and animal species known or expected to occur in this area are identified in the FSA in Biological Resources Table 1- Sensitive Species Known to Occur in the Project Vicinity. Eleven (11) sensitive plant species and fourteen (14) wildlife species (seven birds, two invertebrates, two mammals, and three reptile and amphibian species) were documented as known to occur in the vicinity of the Project Site.

To support development of this proposed Plan, on May 6, 2019, Sapphos Environmental Inc. conducted a California Natural Diversity Database (CNDDB) search for nearby records of sensitive species within five miles of the Project. Information obtained from this search was combined with information compiled in 2001 to create Table 6.7-1 below, which assesses the potential for each species to occur within the Project area. To determine the likeliness for a species to occur, Sapphos Environmental biologist, Paulette Loubet, reviewed aerial imagery, historic site photos, and existing data from the CNDDB and other databases along with information collected during a Project Site visit on May 16, 2019.

[17] FSA, p. 5.2-6.

Table 6.7-1 Species with Potential to Occur

SCIENTIFIC NAME	COMMON NAME	STATUS	POTENTIAL TO OCCUR WITHIN THE PROJECT AREA
Plants			
Allium munzii	Munz's onion	FE, ST, 1B.1*	Does not occur. Found in chaparral, coastal scrub, cismontane woodland, pinyon and juniper woodland, and valley and foothill grassland with heavy clay soils. The Project area is entirely developed and does not contain suitable habitat for this species.
Atriplex coronata var. notatior	San Jacinto Valley crownscale	FE, 1B.1	Does not occur. Found in playas, valley and foothill grassland, and vernal pools within alkaline areas in the San Jacinto River Valley. The Project area is entirely developed and does not contain suitable habitat for this species.
Atriplex parishii	Parish's brittlescale	1B.1	Does not occur. Found in vernal pools, chenopod scrub, and playas. Usually on drying alkali flats with fine soils. The Project area is entirely developed and does not contain suitable habitat for this species.
Brodiaea filifolia	Thread-leaved brodiaea	FT, FE, 1B.1	Does not occur. Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. The Project area is entirely developed and does not contain suitable habitat for this species.
Centromadia pungens ssp. laevis	Smooth tarplant	1B.1	Does not occur. Found in alkali meadow, alkali scrub; valley and foothill grassland, chenopod scrub, meadows and seeps, playas, and riparian woodland. The Project area is entirely developed and does not contain suitable habitat for this species.
Chorizanthe parryi var. parryi	Parry's spineflower	1B.1	Does not occur. Usually associated with dry slopes and flats; sometimes at interface of two vegetation types, such as chaparral and oak woodland. Prefers dry, sandy soils. The Project area is entirely developed and does not contain suitable habitat for this species.
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	1B.1	Does not occur. Usually associated with coastal salt marshes, playas, and vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. The Project area is entirely developed and does not contain suitable habitat for this species.

SCIENTIFIC NAME	COMMON NAME	STATUS	POTENTIAL TO OCCUR WITHIN THE PROJECT AREA
Navarretia fossalis	Spreading navarretia	FT, 1B.1	Does not occur. Usually associated with vernal pools, chenopod scrub, marshes and swamps, playas, in swales and vernal pools, often surrounded by other habitat types. The Project area is entirely developed and does not contain suitable habitat for this species.
Orcuttia californica	California Orcutt grass	FE, SE, 1B.1	Does not occur. Found in vernal pool habitat. The Project area is entirely developed and does not contain suitable habitat for this species.
Tortula californica	California screw moss	1B.2*	Does not occur. Found in chenopod scrub, valley and foothill grassland. Moss growing on sandy soil. The Project area is entirely developed and does not contain suitable habitat for this species.
Invertebrates			
Streptocephalus woottoni	Riverside fairy shrimp	FE	Unlikely to occur. Species occupies swales/earth slump basins in grassland and coastal sage scrub. Inhabits seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season. The Project area is entirely developed and does not contain suitable habitat for this species. Potentially suitable habitat found within former construction laydown area MW-51, which is located outside the Site boundary and in which no decommissioning or demolition activities will occur.
Reptiles and Amphibians			
Anniella stebbinsi	Southern California legless lizard	SSC*	Does not occur. Occurs in sandy or loose loamy soils under sparse vegetation. Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content. The Project area is entirely developed and does not contain suitable habitat for this species.
Arizona elegans occidentalis	California glossy snake	SSC*	Does not occur. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils. The Project area is entirely developed and does not contain suitable habitat for this species.

SCIENTIFIC NAME	COMMON NAME	STATUS	POTENTIAL TO OCCUR WITHIN THE PROJECT AREA
Aspidoscelis tigris stejnegeri	Coastal whiptail	SSC*	Does not occur. Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland and riparian areas. The Project area is entirely developed and does not contain suitable habitat for this species.
Crotalus ruber	Red-diamond rattlesnake	SSC*	Does not occur. Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks, or surface cover objects. The Project area is entirely developed and does not contain suitable habitat for this species.
Emys marmorata	Western pond turtle	SSC*	Does not occur. A thoroughly aquatic turtle of ponds, marshes, rivers, streams, and irrigation ditches, usually with aquatic vegetation. The Project area is entirely developed and does not contain suitable habitat for this species.
Phrynosoma blainvillii	Coast horned lizard	SSC*	Does not occur. Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects. The Project area is entirely developed and does not contain suitable habitat for this species.
Spea hammondii	Western spadefoot	SSC	Does not occur. Occurs primarily in grassland habitats but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg laying. The Project area is entirely developed and does not contain suitable habitat for this species.
Birds			
Aquila chrysaetos	Golden eagle	FP	Does not occur. Usually associated with rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas. The Project area is entirely developed and does not contain suitable habitat for this species

SCIENTIFIC NAME	COMMON NAME	STATUS	POTENTIAL TO OCCUR WITHIN THE PROJECT AREA
Athene cunicularia	Burrowing owl	SSC	Unlikely to occur. Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel. The Project area is entirely developed and does not contain suitable habitat for this species
Lanius ludovicianus	Loggerhead shrike	SSC*	Does not occur. Found in broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub and washes. Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting. The Project area is entirely developed and does not contain suitable habitat for this species.
Polioptila californica californica	Coastal California gnatcatcher	FT, SSC	Does not occur. Obligate, permanent resident of coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied. The Project area is entirely developed and does not contain suitable habitat for this species.
Vireo bellii pusillus	Least Bell's vireo	FE SE	Does not occur. Summer resident of Southern California in low riparian habitat in vicinity of water or in dry river bottoms. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite. The Project area is entirely developed and does not contain suitable habitat for this species.
Mammals			
Chaetodipus californicus femoralis	Dulzura pocket mouse	SSC*	Does not occur. Usually associated with a variety of habitats including coastal scrub, chaparral and grassland in San Diego County. Attracted to grass-chaparral edges. The Project area is entirely developed and does not contain suitable habitat for this species.
Chaetodipus fallax fallax	Northwestern San Diego pocket mouse	SSC*	Does not occur. Found in coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego County. Sandy, herbaceous areas, usually in association with rocks or coarse gravel. The Project area is entirely developed and does not contain suitable habitat for this species.

SCIENTIFIC NAME	COMMON NAME	STATUS	POTENTIAL TO OCCUR WITHIN THE PROJECT AREA
Dipodomys merriami parvus	San Bernardino kangaroo rat	FE, SSC	Unlikely to occur. Found in alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains. Needs early to intermediate seral stages. The Project area is entirely developed and does not contain suitable habitat for this species
Dipodomys stephensi	Stephens' kangaroo rat	FE, ST	Likely to occur. Occupies primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover. Prefers buckwheat, chamise, brome grass and filaree. Project within historic habitat. A single carcass was reported on the Project Site in 2006.
Eumops perotis californicus	Western mastiff bat	SSC*	Does not occur. Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral. Roosts in crevices in cliff faces, high buildings, trees, and tunnels. The Project area is entirely developed and does not contain suitable habitat for this species.
Lasiurus xanthinus	Western yellow bat	SSC*	Does not occur. Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees. The Project area is entirely developed and does not contain suitable habitat for this species.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	SSC*	Does not occur. Found in coastal sage scrub habitats in Southern California. Intermediate canopy stages of shrub habitats and open shrub / herbaceous and tree / herbaceous edges. The Project area is entirely developed and does not contain suitable habitat for this species.
Onychomys torridus ramona	Southern grasshopper mouse	SSC*	Does not occur. Found in desert areas, especially scrub habitats with friable soils for digging. Prefers low to moderate shrub cover. Feeds almost exclusively on arthropods, especially scorpions and orthopteran insects. The Project area is entirely developed and does not contain suitable habitat for this species.

SCIENTIFIC NAME	COMMON NAME	STATUS	POTENTIAL TO OCCUR WITHIN THE PROJECT AREA
Perognathus longimembris brevinasus	Los Angeles pocket mouse	SSC*	Does not occur. Found in lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin. Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead. The Project area is entirely developed and does not contain suitable habitat for this species.

*species not previously identified in FSA Biological Resources Table 1 (CALPINE 2001a),

Status Legend: FE: Federally Endangered; FT: Federally Threatened;

SE: California Endangered; ST: California Threatened; SSC: California Species of Special Concern; FP: California Fully-protected Species

California Native Plant Society (CNPS) 1B: Rare or endangered in California and elsewhere

Threat Ranks: 0.1 - Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat), 0.2 - Moderately threatened in California (20–80% occurrences threatened / moderate degree and immediacy of threat)

During the surveys completed for the AFC, plant species observed consisted primarily of a mixture of native and non-native herbaceous species commonly found in disturbed areas, fallow fields, meadows, and wetlands. Mulefat (*Baccharis salicifolia*), a common riparian species, was also present along drainages at the Project Site.[18]

Wildlife species observed during Project Site visits conducted on October 19 and 30, 2001 and August 14, 2002, included a variety of common songbirds and raptors, several species of toads, frogs, snakes and lizards, ground squirrel, rabbit, coyote, and skunk.

IEEC conducted biological surveys in 2001 and 2002 to assess the potential for presence of occupied, or suitable but unoccupied, habitat for burrowing owl, bald and golden eagles, southwestern willow flycatcher, least Bell's vireo, Quino checkerspot butterfly, arroyo southwestern toad, western spadefoot toad, Stephens' kangaroo rat, and San Bernardino kangaroo rat. No individuals, or sign thereof, were observed during the surveys for these species.[19] The site assessment and focused survey for Stephens' kangaroo rat and San Bernardino kangaroo rat, completed by a permitted biologist, indicated no habitat or sign of the species in the project area.[20] Only potentially occupied habitat for the vernal pool fairy shrimp was identified within the Project

[18] FSA, p. 5.2-6.

[19] FSA, p. 5.2-7.

[20] FSA, p. 5.2-7.

laydown area MW-51.[21] However, the MW-51 area will not be used during decommissioning activities and therefore will not be impacted.

Since the plant energized, one sensitive species has been reported on the Project Site. In May 2006, a single carcass of a kangaroo rat, classified as "probably *Dipodomys stephensi*" was found by plant personnel. This individual was compensated by fee payment into the habitat conservation plan (HCP) for Stephen's kangaroo rat[22]. No additional observation of sensitive biological resources were documented in the 2018 and 2019 Final Biological Reports.[23]

During the Project Site visit conducted on May 16, 2019 Sapphos Environmental Inc. biologist Paulette Loubet observed several old and inactive nests as well as several species exhibiting nesting behavior. The majority of nests observed within structures were those of pigeon (*Columba livia*), European starling (*Sturnus vulgaris*), and house sparrow (*Passer domesticus*), species which are not protected by the Migratory Bird Treaty Act. Common ravens (*Corvus corax*), red tailed hawks (*Buteo jamaicensis*), and a great horned owl (*Bubo virginianus*) were also observed, although no active nests (nests containing chicks or eggs) were identified.

Additionally, mature trees and shrubs along the Project perimeter could provide nesting habitat for avian species.

6.7.1.2 Sensitive Habitats

The Project Site is not located within Critical Habitat for Threatened and Endangered Species designated by U.S. Fish and Wildlife Services (USFWS) or within any Class I Wilderness Areas under the Clean Air Act. The updated CNDDB record search did not result in any rare vegetation communities within five miles of the Project Site. The Project Site, construction laydown area, and linear structures are all located within historic Stephens' kangaroo rat habitat; however, there is no known occupied habitat located near the Project Site. Decommissioning and demolition will be limited to only the developed Project Site and therefore, no sensitive or natural habitats will be impacted.

6.7.1.3 Wetlands and Aquatic Habitats

IEEC completed a wetlands delineation of the Project Site to identify the presence of features subject to the jurisdiction of the U.S. Army Corps of Engineers (USACE) under Section 404 of the federal Clean Water Act. The delineation identified six potential jurisdictional areas, as well as drainage features within the Project Site, all of which lie within the FEMA 100-year flood plain of the San Jacinto River.[24]

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[21] FSA, p. 5.2-7.

[22] Inland Empire Energy Center, LLC (IEEC)- BIO 5 Final Report, Ref. No. GE/IEEC- 0369, August 17, 2009.

[23] Inland Empire Energy Center, LLC (IEEC)- BIO 5 Final Report, Waldie Environmental 2018 and 2019.

[24] FSA, p. 5.2-9.

The three indicators used to classify an area as a wetland under the jurisdiction of the USACE include hydrophytic vegetation, hydric soils, and wetland hydrology. Under normal circumstances, evidence of a minimum of one positive wetland indicator from each parameter (hydrology, soil, and vegetation) must be found in order to make a positive wetland determination. After careful assessment of the characteristics of these potential wetland areas, it was concluded that none of the six potential wetland areas presented hydric soils and therefore, were not jurisdictional wetlands.[25] It was determined however, that the bed and bank features do meet the requirements for jurisdictional waters of the U.S.[26] No decommissioning or demolition activities will take place in these areas, which are located outside of the Project Site along Project linear facilities that will remain in place.

6.7.1.4 Coastal Sage Scrub and Chaparral

Within the vicinity of the Project Site, the draft MSHCP identifies coastal sage scrub and chaparral habitat as scattered fragments primarily located in elevated areas identified as mountainous/rural land use, and generally unsuitable for agricultural or urban development (e.g., Double Buttes to the east of the Project area).[27] The protection of coastal sage scrub has been the focus of the Natural Communities Conservation Planning program, under the act of the same name, because it provides habitat to many special status species. The vegetation mapping in the draft MSHCP was not of sufficient detail to determine if the Project area supports the vegetation associations or series cited as rare by the California Department of Fish and Wildlife.[28] Much of this vegetation has been lost to agricultural and urban development. No coastal sage scrub or Chaparral habitat occurs within the Project Site.

6.7.2 Conditions of Certification and Mitigation Measures

The Commission Decision concluded:

> *"The area is predominantly agricultural, including the area proposed for the project. At the plant site and construction laydown areas no sensitive habitats or vegetation dominated by native species will be cleared or disturbed."*[29]

The Commission Decision included COC BIO-1 through BIO-13 intended to mitigate potential impacts to biological resources. These measures where incorporated into the Project's BRMIMP. The BRMIMP is a plan to mitigate potential impacts to biological resources from the construction and operation of the Project. Certain elements of COC BIO-1 through BIO-5 and BIO-10 are relevant to decommissioning and demolition

[25] FSA, p. 5.2-9.

[26] FSA, p. 5.2-9.

[27] FSA, p. 5.2-9.

[28] FSA, p. 5.2-9.

[29] Commission Decision, p. 216.

activities in modified form. IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition. The proper incorporation and implementation of these measures during decommissioning and demolition will reduce below a level of significance or totally avoid impacts to sensitive species and habitat.

COC BIO-6 pertains specifically to closure (decommissioning and demolition) of the Project. However, the requirements of this COC contemplated restoration of the Project Site to its pre-Project condition, and are not appropriate or feasible given the plan to continue use of the Project Site for energy/industrial activities. COC BIO-6 is not, therefore, included in this Plan.

The following existing COC are also not applicable to the proposed decommissioning and demolition, and are not included in this Plan:

- COC BIO-7: Pertains to requirement to obtain CWA Section 401 water quality certification;
- COC BIO-8: Pertains to requirement to obtain CWA Section 404 Permit from ACOE;
- COC BIO-9: Pertains to design of the Project;
- COC BIO-11: Pertains to one-time payment of fee to compensate for loss of Stephen's kangaroo rat habitat;
- COC BIO-12: Pertains to a one-time payment of Interim Open Space Mitigation Fee; and
- COC BIO-13: Pertains to construction of the transmission line, which will remain in place.

6.7.3 Applicable LORS and Required Permits

LORS potentially applicable to decommissioning and demolition are discussed in Table 6.7-2. No new impacts to streambeds or listed or sensitive species are expected due to decommissioning and demolition activities with the continued implementation of a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition. Implementation of the revised BRMIMP will avoid or reduce impacts to levels that are less than significant during decommissioning and demolition; therefore, no additional biological resource permits or approvals are needed.

6.7.4 LORS Conformance and Impact Assessment

Decommissioning and demolition activities will be limited to the developed Project Site. No decommissioning or demolition activities will take place within the bed and bank features that meet the requirements for jurisdictional waters of the U.S. Because the Project Site is industrialized and does not contain natural habitat (see Section 6.7.1), no

impacts to biological resources are expected as a result of decommissioning and demolition.

The USFWS threshold of significance is 60 dBA Leg, on an hourly average basis, for sensitive biological resources that may be found in the vicinity of the Project Site. Noise levels associated with demolition and site clean-up is covered in Section 6.13, Noise and Vibration. The analysis indicates that temporary noise associated with decommissioning and demolition will be similar to noise levels associated with current operations. Given that noise levels are not expected to increase materially, and that the Project Site and surrounding area do not include sensitive species or habitat, noise associated with decommissioning and demolition will not have a significant impact on biological resources.

Decommissioning and demolition of the Project will comply with all applicable LORS.

Table 6.7-2 LORS Applicable to Biological Resources

LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS
Federal		
Migratory Bird Treaty Act (MBTA): 16 USC Sections 703-721	Prohibits the take of protected migratory birds.	Although no wildlife habitat is found on the Project Site, structures throughout the site and mature trees around the perimeter provide potentially suitable nesting habitat for birds. To minimize potential impacts to birds from decommissioning and demolition, IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition.
Clean Water Act (CWA) of 1977 Title 33, United States Code, sections 1251-1376, and Code of Federal Regulations, part 30, sections 330.5(a)(26).	Prohibit the discharge of dredged or fill material into the waters of the United States without a permit.	IEEC submitted an application to obtain a CWA 404 permit issued by the USACE and a CWA 401 water quality certification issued by the RWQCB prior to construction of the Project. IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1

LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS
		through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition. Implementation of the revised BRMIMP will avoid or reduce impacts to levels that are less than significant during decommissioning and demolition.
Endangered Species Act (ESA) of 1973 Title 16, United States Code, section 1531 et seq., and Title 50, Code of Federal Regulations, part 17.1 et seq.	Designate and provide for the protection of threatened and endangered plant and animal species, and their critical habitat. The administering agency is the USFWS.	Stephens' kangaroo rat. For construction, the USFWS indicated that compliance with the regional incidental take permit (Stephens' kangaroo rat HCP) would ensure compliance for this species.[30] This requirement was incorporated into the BRMIMP to ensure that any related impacts were reduced to levels that are less than significant. IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition. . Implementation of the revised BRMIMP will avoid or reduce impacts to levels that are less than significant during decommissioning and demolition. Vernal Pool Fairy Shrimp Decommissioning and demolition activities will not occur in areas with potentially suitable habitat.

[30] FSA, p. 5.2-28.

LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS
State		
Native Plant Protection Act CDFW Code Sections 1900–1913	Prohibit taking of endangered and rare plants from the wild and requires that CDFW be notified at least 10 days in advance of any change in land use that would adversely impact listed plants.	Not applicable, decommissioning and demolition will be limited to previously disturbed and developed areas.
California Endangered Species Act (CESA) of 1984, Fish and Game Code sections 2050 through 2098; California Code of Regulations Title 14, Division 1, Subdivision 3, Chapter 3, sections 670.2 and 670.5.	Identifies and protects California's rare, threatened, and endangered species.	IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition. . Implementation of the revised BRMIMP will avoid or reduce impacts to levels that are less than significant during decommissioning and demolition. .
Fish and Game Code Section 3503.5	"It is unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted pursuant thereto."	IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition. . Implementation of the revised BRMIMP will avoid or reduce impacts to levels that are less than significant during decommissioning and demolition. .
Streambed Alteration Agreement (SAA): CFGC Section 1600 et seq.	Requires CDFW to review Project impacts to waters of the State (bed, banks, channel, or associated riparian areas), including impacts to wildlife and vegetation from sediments, diversions, and other disturbances.	Not applicable as decommissioning and demolition activities will be restricted to developed Project Site.

LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS
Regional Water Quality Control Board (RWQCB)	Requires every applicant for a federal permit or license for an activity which may result in a discharge into a California water body must request State certification that the proposed activity will not violate state and federal water quality standards. CWA Section 401 certification from the Santa Ana Regional Water Quality Control Board (RWQCB).	The Project Site is not located in or near any surface waters or federally protected wetlands or other jurisdictional waters and therefore, there is no direct loss of this sensitive habitat. IEEC obtained CWA 401 Water Quality Certification issued by the RWQCB in 2005. IEEC will submit for CEC review and approval a revised Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) that includes relevant measures contained in COC BIO-1 through BIO-5 and BIO-10, modified as appropriate for decommissioning and demolition. Implementation of the revised BRMIMP will avoid or reduce impacts to levels that are less than significant during decommissioning and demolition
Local		
Western Riverside Multiple Species Habitat Conservation Plan (MSHCP).	The Western Riverside MSHCP is an element of the Riverside County Integrated Project. The MSHCP is designed to conserve open space, nature preserves, and wildlife areas for over 150 species in western Riverside County.	The Project Site is not located in an MSHCP Cellgroup or Criteria Cell. Stephen's kangaroo rat As mentioned above, implementation of COC BIO-5, modified as appropriate for decommissioning and demolition, will ensure that any potential impacts are reduced to levels that are less than significant. Vernal Pool Fairy Shrimp Decommissioning and demolition activities will not occur in areas with potentially suitable habitat. Other MSHCP Species Decommissioning and demolition activities will be restricted to the developed property boundary and adherence to the applicable requirements of the BRMIMP, COC BIO-1 through BIO-5 and BIO-10 will reduce impacts to levels that are less than significant.

LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS
Nitrogen Deposition Effects on Areas Proposed for Management under the Draft Western Riverside MSHCP (Draft MSHCP)		The decommissioning and demolition of the Project will eliminate its contribution of Nitrogen Deposition Effects to the surrounding area.
Stephens' Kangaroo Rat Habitat Conservation Plan (HCP).	The Stephens' Kangaroo Rat HCP is a 30-year plan approved in 1996 that is designed to acquire and permanently set-aside, maintain, manage, and fund conservation, preservation, restoration, and enhancement of the Stephens' Kangaroo Rat and its habitat.	Implementation of COC BIO-5, modified as appropriate for decommissioning and demolition activities will ensure that any potential impacts are reduced to levels that are less than significant. Any take of Stephen's kangaroo rat as a result of decommissioning and demolition will be compensated for by fee payment into the HCP.
Riverside County Ordinance No. 663.10, Stephens' Kangaroo Rat Mitigation Fee	Establishes a Plan Fee Assessment Area and sets mitigation fees for development permits in historic Stephen's Kangaroo Rat Habitat.	Fee payment was provided in July 2005 for the total disturbance caused by the Project. Supplemental payments were provided to the County for the increased acreage in 2005, 2006, and 2007. Decommissioning and demolition will be limited to the Property Site boundary and not require additional fees. However, any take of Stephen's kangaroo rat as a result of decommissioning and demolition will be compensated for by fee payment into the HCP.

LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS	LORS DESCRIPTION COMMENTS
Riverside County Comprehensive General Plan – Environmental Hazards and Resources Element	This Plan contains general policies regarding the protection and preservation of habitat and sensitive plant and wildlife species.	Activities associated with decommissioning and demolition could further facilitate the introduction of weedy species as a result of ground disturbance, imported fill, or landscaping with non-native species. Weedy plant species growth could suppress native vegetation and infest agricultural lands. However, the Project Site is developed and there is little native vegetation in the immediate vicinity of the Project Site. Decommissioning and demolition activities will be restricted to developed Project Site and therefore will not impact habitat.

6.7.5 Proposed Conditions

The BRMIMP will be revised for specific circumstances related to plant closure, decommissioning, and demolition to minimize or totally avoid impacts to sensitive biological resources.

6.8 Cultural Resources

This section presents an analysis of LORS compliance and potential impacts related to cultural resources that may result from decommissioning and demolition of the Project.

6.8.1 Background

The Commission Decision concluded:

> *There are no known archaeological or historic resources within or adjacent to the critical Area of Potential Effect (APE).*[31] *The Native American Heritage Commission has not recorded any Native American sacred properties within the APE.*[32]
>
> *The Commission therefore concludes that with implementation of the Conditions of Certification below, the proposed project will conform with all applicable laws, ordinances, regulations, and standards relating to cultural*

[31] Commission Decision, p. 244.

[32] Commission Decision, p. 244.

resources as set forth in the pertinent portions of Appendix A of this Decision. [33]

The Commission Decision did not identify any decommissioning and demolition conditions specifically related to cultural resources.

6.8.2 Applicable LORS and Required Permits

LORS potentially applicable to cultural resources during decommissioning and demolition are discussed in Table 6.8-1. No other LORS related to cultural resources are applicable because no off-site or underground work below the level of existing Project foundations is anticipated.

No new or revised permits are required related to cultural resources.

Table 6.8-1 LORS Applicable to Cultural Resources

LORS	DESCRIPTION	COMMENTS
Federal		
Section 106 of the National Historic Preservation Act, 16 U.S.C. § 470; Code of Federal Regulations, 36 CFR Part 800 et seq.,	Require federal agencies to take into account the effects of their undertakings on historic properties through consultations beginning at the early stages of project planning.	No historic properties are located on the Project Site.
State		
California Code of Regulations, Title 14, section 4852.	Defines the term "cultural resource" to include buildings, sites, structures, objects, and historic districts.	Two cultural resources are located in the vicinity of the Project Site; however, decommissioning and demolition will not adversely affect these resources and demolition of the existing cooling tower would reduce indirect impacts to these resources.
Public Resources Code, Section 5000.	Establishes the California Register of Historical Resources (CRHR), establishes criteria for eligibility to the CRHR, and defines eligible resources.	Two historical resources are located in the vicinity of the Project Site; however, decommissioning and demolition will not adversely affect these resources and demolition of the existing cooling tower will reduce indirect impacts to these resources.

[33] Commission Decision, p. 245.

LORS	DESCRIPTION	COMMENTS
The California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.; Title 14, Cal. Code Regs., § 15000 et seq.	Require analysis of potential environmental impacts of proposed projects and requires application of feasible mitigation measures.	Two historical resources are located in the vicinity of the Project Site; however, decommissioning and demolition will not adversely affect these resources and demolition of the existing cooling tower will reduce indirect impacts to these resources.

6.8.3 LORS Conformance and Impact Assessment

As stated in the FSA for the Project, the archaeological inventories for the Project Site and linear components did not record any archaeological sites within the Project Area of Potential Effect (APE).[34] The FSA also concluded that the two historical buildings located at 25626 Antelope Road and 28050 Matthews Road and evaluated as eligible for the CRHR would not be physically impacted by construction of the Project or its associated facilities.[35]

No buried cultural resources were discovered during the construction of the Project, and excavations associated with decommissioning and demolition will not be deeper than they were for Project construction. Furthermore, certain subsurface structures will be left in place, which means that the total extent of excavation associated with decommissioning and demolition will be less than that which occurred during Project construction.

The FSA also specifically addressed Project closure, stating that applicable LORS will be identified in the closure plan, and that if no additional ground disturbance occurs during closure activities and all conditions of certification have been met, no impacts to cultural resources would be expected.[36]

The decommissioning and demolition activities will comply with all LORS pertaining to cultural resources, and will not have a significant adverse impact on any cultural resources.

6.8.4 Proposed Conditions

No cultural resources conditions are proposed related to decommissioning and demolition. All decommissioning and demolition work will occur within previously disturbed areas where no resources were detected during Project construction. Therefore, none of the existing COC nor any additional conditions are necessary.

[34] FSA, p. 5.3-8.

[35] FSA, p. 5.3-12.

[36] FSA, p. 5.8-13.

6.9 Soil and Water Resources

This section presents an analysis of LORS compliance and potential impacts related to soil and water resources that may result from Project decommissioning and demolition.

The Commission Decision concluded that with implementation of the adopted Conditions of Certification:

> *"We therefore conclude that the project will not cause any significant adverse direct, indirect, or cumulative impacts to soil or water resources, and will comply with all applicable laws, ordinances, regulations, and standards (LORS)."*[37]

The Commission Decision did not identify any decommissioning and demolition conditions specifically related to soil and water resources.[38]

6.9.1 Geology and Soils

IEEC investigated soil, groundwater, and surface water at the Project Site in 2005 to evaluate potential areas of concern for contamination as a result of the Project Site's previous agricultural activities.[39] A total of 20 soil borings were advanced, six of which were converted into temporary groundwater monitoring wells. The six soil borings that were converted into monitoring wells were advanced to depths of between 70 and 90 feet below ground surface (bgs). Fourteen soil borings were advanced to a depth of 20 feet bgs. Groundwater was encountered at depths between 75 and 80 feet bgs.

URS collected a surface soil sample from each of the 20 borings, and a total of 23 subsurface soil samples from the 20 borings; one soil sample from 17 of the borings and two samples from three of the borings. The soil samples were delivered to a laboratory and analyzed for Volatile Organic Compounds (VOCs), semi-volatile organic compounds (SVOCs), "Priority Pollutant List" (= Title 22 CAM) Metals, polychlorinated biphenyls (PCBs), and organochlorine and chlorinated pesticides. Two subsurface soil samples were additionally analyzed for 1,4-dioxane.

One groundwater sample was collected from each of the six temporary monitoring wells. The groundwater samples were delivered to a laboratory and analyzed for VOCs, SVOCs, Title 22 CAM Metals, PCBs, organochlorine and chlorinated pesticides, and perchlorate.

One surface water sample and one surface soil sample were collected from a drainage ditch on the western perimeter of the Project Site. The surface water sample was analyzed for the same constituents as the groundwater sample and the surface soil

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[37] Commission Decision, p. 236.

[38] Commission Decision, pp. 39-40.

[39] URS Corporation, Phase II Baseline Investigation, GE Energy, GE Inland Empire Energy Center, 26226 Antelope Road, Romoland, California, May 5, 2005.

sample was analyzed for the same constituents as the surface soil samples described above.

For the soil samples, URS reported that no contaminants were detected above the EPA preliminary remediation goals (PRGs) or California Office of Environmental Health hazard Assessment (OEHHA) soil screening levels (SSLs). The concentrations of metals in the surface soil samples were also found to be below the PRGs and SSLs. Concentrations of arsenic in surface soil were found to exceed the SSL, but were within background concentration levels for California soil.

Comparison of these results to current EPA screening levels indicates that concentrations of contaminants and metals measured by URS in 2005 are below current screening levels for commercial and industrial properties. These concentrations are also below current Environmental Screening levels (ESLs) for commercial properties promulgated by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB).

URS reported that no VOCs were detected above the California Maximum Contaminant Levels (MCLs) for groundwater. The reported concentrations were compared to current MCLs (California Water Boards, 2019) and found to be below regulatory limits. One SVOC, benzo(a)pyrene, was detected above its MCL in one groundwater sample, but at a concentration below the laboratory reporting limit. One groundwater sample was found to have a concentration of perchlorate (6.1 micrograms per liter [µg/L]) slightly above the 2005 California Public Health Goal (PHG) of 6.0 µg/L. The 6.0 µg/L perchlorate concentration is now the MCL (California Water Boards, 2019). URS reported that perchlorate is associated with historic aerospace and fireworks manufacturing. The presence of perchlorate in groundwater may be related to regional manufacturing operations or agriculture in the Colorado River region.

Soil and groundwater samples collected and analyzed by URS in 2005 do not display evidence of contamination at levels that would necessitate a Soil Management Plan during decommissioning and demolition activities. Furthermore, there were no significant releases of contaminants during Project operations, and any minor spills were promptly addressed in accordance with applicable requirements. The Work Plan for Decommissioning and Demolition will provide guidance in the unlikely event that discolored or malodorous soil is encountered during decommissioning and demolition activities.

6.9.2 Storm Water

IEEC's decommissioning contractor, ATC has been provided with IEEC Storm Water Pollution Prevention Plan (SWPPP) Revision 4, dated August 2006. The SWPPP was prepared for the State of California's General Permit for storm water discharges associated with the construction at IEEC.

Section 4.2 of the SWPPP indicated that two sediment basins, located in the southeastern and southwestern corners of the Project Site, were to be constructed to

intercept and monitor sediment-laden site runoff. During construction, storm water was conveyed to these basins by temporary drainage swales. The SWPPP indicated that these swales would be removed as construction progressed, with water subsequently directed to the basins by other temporary means such as pumping. Section 4.2 also indicated that permanent storm drain inlets would be installed at the Project Site.

Appendix F of the SWPPP provided guidance for post-construction storm water management. Section F.4 states that a storm drain system designed to collect storm water runoff would be constructed at the Project Site, and that the sediment ponds would be maintained until the site is fully stabilized.

Section F.4.1 of the SWPPP stated that the Riverside County Flood Control District and Water Conservation District planned to construct the Romoland MOP Flood Control Channel along the southern edge of the Project Site before completion of the Project. After the channel was constructed, the sediment basins were to be backfilled. The backfilled areas were then to be covered with sediment stabilization measures. If the channel was not completed before construction of the Project, then the sediment ponds would not only remain but would be enlarged to accommodate the higher volumes of runoff.

The Romoland MOP Flood Control Channel was not built before Project construction was completed. As per the SWPPP, the sediment basins remained and were enlarged. During the course of the Project's operations, storm water that has accumulated in the basins has been pumped to the Cooling Tower Basin. The storm water basins do not discharge. The California Water Board therefore determined that an Industrial SWPPP was unnecessary for the Project since it did not discharge storm water. The Project currently operates under a Notice of Non-Applicability (NONA).

The Romoland MOP Flood Control Channel has recently been completed. The sediment basins have not been subsequently connected to the flood control channel.

As part of decommissioning, the Cooling Tower Basin will be removed down to six inches below grade and filled to grade level with clean fill and compacted. Any remaining water in the Cooling Tower Basin may be discharged into the Brine Line as per Brine Line Wastewater Discharge Permit Number D1036-3 issued to the Project on May 14, 2018 by the Eastern Municipal Water District. The storm water drainage and retention system will be left in place and remain operable. Since water that accumulates in the sediment basins would no longer be pumped out to the Cooling Tower Basin, for an industrial purpose (cooling tower), then the site may become a storm water discharger.

An initial estimate of the total volume of the two sediment ponds is 500,000 cubic feet. The average rainfall in the vicinity is 11.13 inches per year (National Storm water Calculator modeling program [https://www.epa.gov/water-research/national-stormwater-calculator)]). Given the area of the IEEC (45.8 acres), this gives an annual average volume of rain for the site as approximately 1,850,407 cubic feet of rainfall.

Preliminary calculations, using an estimate of the volume of the two sediment ponds, was performed with the National Storm water Calculator. The National Storm water Calculator has automatic inputs for location, soil type, soil drainage, topography, precipitation, evaporation, land use, land cover, and storm water management practices. The results produced by the National Storm water Calculator indicate that 77 percent of the rainfall would evaporate or infiltrate, leaving 23 percent of the rainfall (415,244 cubic feet) as storm water runoff. The results indicate that the sediment basins would not discharge during a year of average rainfall. However, the possibility exists that during a period of intense rainfall there may be storm water discharge from the Project Site. Therefore, it is recommended that a California General Construction SWPPP be developed for the Project Site, although less than one acre of soil will be exposed during the decommissioning and demolition activities. The California General Construction SWPPP is a form of National Pollution Pollutant Discharge Elimination System (NPDES) permit; no additional permit for storm water discharge would be necessary during decommissioning and demolition activities.

The SWPPP should include, at a minimum, the following Best Management Practices (BMPs):

- Gravel bag or fiber roll berms along the perimeter of the two sediment basins;
- Storm drain inlet protection;
- Trackout control;
- Dust control (see Section 6.9.3); and
- Coverage of soil stockpiles.

Given that surface flow of water is to the south across the Site and in the vicinity, it is recommended that sampling points for discharge be located at the southwestern and southeastern corners of the Project Site.

6.9.3 Dust Control

Although soil exposure at the Project Site will be minimal (less than one acre) during decommissioning and demolition activities, dust control will be necessary. The Project Site is under the jurisdiction of the SCAQMD. Dust control for this district is regulated by SCAQMD Rule 403. Rule 403 does not prohibit the use of potable or municipal water for dust control. However, the California Water Code, Section 13551 prohibits the use of "…water from any source of quality suitable for potable domestic use for non-potable uses, including …industrial… uses, if suitable recycled water is available…" Water that accumulates in the sediment basins may be used for dust control. Should additional water be needed for dust control, recycled water can be purchased through the EMWD through use of a Temporary Construction Meter (TCM) attached to a recycled water hydrant located at the corner of Antelope Road and McLaughlin Road, southwest adjacent to the Project.

6.9.4 Applicable LORS and Required Permits

The LORS related to soil and water resources are briefly summarized in Table 6.9-1.

A Construction SWPPP will be developed for decommissioning and demolition activities. The California General Construction SWPPP is a category of NPDES permit; no additional NPDES permit is needed during decommissioning and demolition activities at the Project Site.

Table 6.9.1 LORS Applicable to Soil and Water Resources

LORS	DESCRIPTION	COMMENTS
Federal		
Clean Water Act (33 USC § 1257 et seq.).	Requires states to set standards to protect water quality through the regulation of point source and certain non-point source discharges to surface water.	Compliance will be managed through use of Construction SWPPP.
State		
California Constitution, Article X, Section 2.	Requires that the water resources of the State be put to beneficial use to the fullest extent possible. The waste, unreasonable use, or unreasonable method of use of water is prohibited.	Decommissioning and demolition activities will adhere to CWC Section 13551. Water for dust control will be obtained from the sediment detention basins or recycled water purchased from the EMWD through use of a Temporary Construction Meter (TCM) attached to a recycled water hydrant located immediately southwest of the IEEC at Antelope Road and McLaughlin Road.
Porter-Cologne Water Quality Control Act of 1967, Water Code Section 13000 et seq.	Requires the State Water Resources Control Board (SWRCB) and the nine RWQCBs to adopt water quality criteria to protect state waters.	Compliance will be managed through use of Construction SWPPP
California Water Code Section 13551.	Prohibits the use of "…water from any source of quality suitable for potable domestic use for non-potable uses, including …industrial… uses, if suitable recycled water is available…"	Water for dust control will be obtained from the sediment detention basins. Recycled water can be purchased through the EMWD through use of a Temporary Construction Meter (TCM) attached to a recycled water hydrant located immediately southwest of the IEEC at Antelope Road and McLaughlin Road.

LORS	DESCRIPTION	COMMENTS
The Safe Drinking Water and Toxic Enforcement Act of 1986, Health and Safety Code section 25249.5 et seq.	Prohibits the discharge or release of chemicals known to cause cancer or reproductive toxicity into drinking water sources.	Compliance will be managed through use of Construction SWPPP.
State Water Resources Control Board Resolution No. 68-16 (the "Anti-Degradation Policy").	Declares the State's policy that, among other things, the discharging of wastes will not pollute or result in a nuisance.	Compliance will be managed through use of Construction SWPPP.
Local		
County of Riverside	Specifies criteria for Grading and Erosion Control and for design of storm water facilities. Assesses a Flood Mitigation Fee to assist in providing revenue for establishing adequate community drainage facilities.	Contractor to obtain a County grading permit. Compliance will be managed through use of Construction SWPPP.
EMWD Regulations	Requires a Service Agreement for providing a host of water and wastewater services to the Project.	Recycled water to be used for dust control may be purchased through the EMWD through use of a Temporary Construction Meter (TCM) attached to a recycled water hydrant located immediately southwest of the IEEC at Antelope Road and McLaughlin Road.
SCAQMD Rule 403	Specifies requirements for Dust Control.	See California Water Code Section 13551. Water that accumulates in sediment basins can be used for dust control. Additional water can be purchased from EMWD as indicated above.

6.9.5 LORS Conformance and Impact Assessment

Demolition activities will occur on the Project Site and will have limited subsurface disturbance below the level of existing Project foundations. Certain underground facilities such as select foundations and piping within twelve (12) feet of surface elevation will be removed. No substantial earthmoving is planned related to decommissioning and demolition.

The potential for impacts to water quality from storm water and erosion will be minimized during decommissioning and demolition. Some facilities and foundations will be left in place, existing roads will be used, some underground pipelines will remain in the ground, either evacuated and capped or left for continued use by the site's new owner, and earthmoving during decommissioning and demolition will be minimized. Pipe removal activities will be completed with excavation equipment equipped to minimize subsurface disturbance.

IEEC will obtain a Construction SWPPP and implement Best Management Practices (BMPs) as described in the SWPPP Plan. Therefore, there will not be significant potential for adverse impacts to soil and water resources as a result of decommissioning and demolition.

6.9.6 Proposed Conditions

IEEC will implement a modified version of COC SOIL & WATER-2 as follows:

> SOIL & WATER 2: Prior to beginning site mobilization for decommissioning, the project owner shall submit a Notice of Intent for construction under the General National Pollutant Discharge Elimination System (NPDES) Permit for Discharges of Storm Water Associated with Construction Activity to the State Water Resources Control Board (SWRCB). The project owner shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) for the decommissioning of the Project. The SWPPP shall be submitted to Riverside County for review and comment, and to the CPM for review and approval. The SWPPP shall include a final decommissioning drainage design consistent with the criteria specified by County of Riverside and specify Best Management Practices (BMPs) for all on-site project facilities. BMPs shall control soil erosion from storm water drainage below the detention pond and from storm water discharge of the eastern boundary interception ditch.
>
> Verification: No later than 60 days prior to the start of site mobilization for decommissioning, the SWPPP for Construction Activity, and a copy of the Notice of Intent for construction under the General NPDES Permit for Discharges of Storm Water Associated with Construction Activity filed with the SWRCB, shall be submitted by the project owner to the County of Riverside Building and Safety Department for comments and to the CPM for approval. Approval of the SWPPP must be received from the CPM prior to site mobilization for decommissioning.

None of the other existing COC are applicable to the decommissioning or demolition and are not included in this Plan, and no additional conditions related to soil and water resources are proposed for decommissioning or demolition.

6.10 Geology and Paleontology

This section presents an analysis of the LORS compliance and potential impacts related to geological and paleontological resources that may result from decommissioning and demolition of the Project.

6.10.1 Background

The Project Site is located with Perris Valley. The Perris Valley consists of mostly flat desert terrain with surficial sands and silts of the Holocene Era deposited from the mountains and foothills that surround the valley. To the south are low hills and foothills. Approximately three miles to the northeast are the Lakeview Mountains, approximately two miles east are the Double Butte Mountains, and low mountains with Steele Peak lies further to the west. The Project Site was previously classified as disturbed agricultural land.

The Commission Decision concluded:

> *From past work on the site, no paleontological resources were discovered in the project area. Due to extensive disturbance by previous construction, there is a low probability the site contains fossil remains of paleontological importance. There is currently no evidence of geological or paleontological resources at the project site.*
>
> *The Commission therefore concludes that implementation of the Conditions of Certification, below, ensure that project activities will not cause adverse impacts to either geological or paleontological resources or expose the public to geological hazards.*[40]

The Commission Decision did not include any decommissioning and demolition conditions specifically related to paleontological resources.[41]

The Project Site is located within the Peninsular Ranges geomorphic province at the southern end of the Perris Valley, Riverside County, California. This area, within the Peninsular Ranges, is characterized by mountains to the west and east and consists of a broad, nearly flat plain. Exploration at the Project Site encountered a surficial light brown, dense to very dense, silty sand overlying alluvium. The Project Site lies in an area which exhibits minor geologic hazards.[42]

There are no known geologic or mineralogic resources located at or immediately adjacent to the Project Site. Prior to construction of the Project, IEEC conducted a paleontologic resources field survey and a sensitivity analysis for the Project Site and linear routes. No significant fossil localities were identified.[43]

Since the Project Site lies in an area which exhibits minor geologic hazards and no known geologic, mineralogic or paleontologic resources, the potential for significant

[40] Commission Decision, p. 255.

[41] Commission Decision, pp. 39-40.

[42] Commission Decision, p. 254.

[43] Commission Decision, p. 254.

adverse impacts from geologic hazards, and to potential geologic, mineralogic, and paleontologic resources from Project decommissioning and demolition is low.

6.10.2 Applicable LORS and Required Permits

The LORS related to geological and paleontological resources are briefly summarized in Table 6.10-2.

No new or revised permits are required related to geological and paleontological resources.

Table 6.10-2 LORS Applicable to Geological and Paleontological Resources

LORS	DESCRIPTION	COMMENTS
Federal		
None	None	None
State		
The California Building Code (CBC), 1998 edition, is based upon the Uniform Building Code (UBC), 1997 edition.	The CBC is a series of standards that are used in project investigation, design (Chapters 16 and 18) and construction (including grading and erosion control as found in Appendix Chapter 33).The CBC supplements the UBC's grading and construction ordinances and regulations.	As no excavation is expected to go significantly below 15 feet, basic grading and erosion control of soils will be implemented. Shoring is anticipated to be needed on a minimal basis, if at all.
California Environmental Quality Act Guidelines Appendix G	Provides a checklist of questions that a lead agency should normally address if relevant to a project's environmental impacts. Section (V) (c) asks if the project will directly or indirectly destroy a unique paleontological resource or site or unique geological feature. Sections (VI) (a), (b), (c), (d), and (e) pose questions that are focused on whether or not the project would expose persons or structures to geologic hazards. Sections (X) (a) and (b) pose questions about the project's effect on mineral resources.	As no paleontological resources or unique geological features were previously identified during Project construction and operations, there will be a less than significant impact to any paleontological resources or unique geological features.

LORS	DESCRIPTION	COMMENTS
"Measures for Assessment and Mitigation of Adverse Impacts to Non-renewable Paleontologic Resources: Standard Procedures" (Society of Vertebrate Paleontology, 1995).	Establishes procedures and standards for assessing and mitigating impacts to vertebrate paleontological resources.	Because the soil stratigraphy of the Project Site is not cretaceous nor holocene, there is anticipated to be no paleontological resources. Therefore, procedures and standards for assessment and mitigation of impacts are not required.

6.10.3 LORS Conformance and Impact Assessment

The Project Site was substantially disturbed prior to the construction of the Project and was further disturbed by Project construction and almost 35 years of active use. No geological or paleontological resources were identified during construction. Demolition activities will be limited to the Project Site and will not have any subsurface disturbance below the level of existing Project foundations. Certain underground facilities will be left in place, and no substantial earthmoving is planned related to decommissioning and demolition. Therefore, there will not be significant adverse impacts to geological or paleontological resources during decommissioning and demolition.

The decommissioning and demolition activities will comply with all LORS applicable to geological and paleontological resources.

6.10.4 Proposed Conditions

All decommissioning and demolition work will occur within previously disturbed areas where no resources were detected during Project construction. Therefore, none of the existing COC nor any additional conditions are necessary

6.11 Land Use

This section presents an analysis of LORS compliance and potential environmental impacts to land use that may result from the decommissioning and demolition of the Project. The land use analysis focuses on two main issues: (1) whether decommissioning and demolition of the Project is consistent with local land use plans, ordinances, and policies; and (2) whether decommissioning and demolition of the Project is compatible with existing and planned land uses.

6.11.1 Background

The Project was permitted by the CEC on December 17, 2003 and has been in operation for 16 years. The Project supplies electricity to the California Independent System Operator ("CAISO") on a merchant basis. The Project sells both Local and

System Resource Adequacy ("RA") and bids daily into the merchant energy markets. The Project has RA commitments through December 31, 2019. One of the two turbines at the Project has been mothballed since March 2017 based on economic considerations, and IEEC has decided to cease operation of the entire Project as of December 31, 2019.

The Project is located on approximately 46 acres in Riverside County. The Project Site is bordered by a 300-foot-wide transmission line easement owned by Southern California Edison that runs along McLaughlin Road to the south, San Jacinto Road to the east, Antelope Road to the west, and the Burlington Northern & Santa Fe Railway to the north. The Project was located in the County of Riverside when it was permitted; however, the Project Site was subsequently incorporated into the City of Menifee on October 1, 2008.[44]

The City of Menifee General Plan Designation for the Project Site is Menifee North Specific Plan, Heavy Industrial (HI) 0.15 – 0.50 FAR.[45] The City of Menifee has adopted the Riverside County Zoning Ordinance (County Ordinance 348). Currently, this ordinance serves as the primary zoning regulation in the City. The County Ordinance 348 zoning designation for the Project Site is M-H (Manufacturing, Heavy). The Project Site is within Area 3 of the County's Menifee North Specific Plan, which has a land use designation of "Industrial Park," and a zoning designation of "Industrial," which reflects the County's M-H zone. The Menifee North Specific Plan is both a Riverside County Comprehensive General Plan Amendment and a County Zoning Ordinance Amendment.

The proximity of the Project Site to nearby sensitive receptors such as residential areas, schools, and churches (e.g., Romoland Elementary School, Headstart Daycare) has the potential to create air quality, public health, visual, and noise impacts to these sensitive receptors as a result of decommissioning and demolition activities. These potential impacts are addressed in greater detail in the Air Quality, Public Health, Visual Resources, and Noise sections of this Plan.

The Commission Decision concluded the following with regard to the Project's compliance with land use LORS and potential land use impacts:

> *"The Commission therefore concludes that construction and operation of the IEEC will not result in direct, indirect, or cumulative land use impacts. Implementation of the Condition of Certification, below, ensures that the IEEC will comply with all applicable laws, ordinances, regulations, and standards (LORS) related to land use."*[46]

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[44] City of Menifee. Incorporation of the City. Available at: http://cityofmenifee.us/85/History.

[45] City of Menifee. City of Menifee Specific Plan Land Use Background Document and Definitions. Available at: https://www.cityofmenifee.us/DocumentCenter/View/3654/Land-Use-Background-Document-and-Definitions?bidId=.

[46] Commission Decision, p. 269.

The Commission Decision did not identify any decommissioning or demolition conditions specifically related to Land Use.[47]

6.11.2 Applicable LORS and Required Permits

All decommissioning and demolition activities will be limited to the Project Site. Potentially applicable LORS fall into three categories: federal, state, and local. The only applicable federal regulations are Federal Aviation Regulations, Part 77, Section 77.13 ff, which require notification of development more than 200 feet in height for certain imaginary surface planes that extend outward and upward from the runways of designated airports. It is not anticipated that the decommissioning and demolition activities will trigger this regulation as the Project does not propose any construction over 200 feet in height. Additionally, there are no State of California land use LORS directly applicable to decommissioning and demolition of the Project. Local LORS that would apply to decommissioning and demolition activities include land use regulations from the City of Menifee General Plan and Zoning Code and are shown in Table 6.11-1.

Table 6.11-1 LORS Applicable to Land Use

LORS	DESCRIPTION	COMMENTS
Local		
City of Menifee General Plan Adopted November, 2013.	The General Plan consists of a statement of development policies and must include a diagram and text setting forth the objectives, principles, standards and proposals of the document. As per State of California, Government Code Section 65300, a General Plan must include seven mandatory elements including Land Use, Circulation (Transportation), Housing, Conservation, Open Space, Noise, and Safety. The Land Use Element of the General Plan provides land use designations, goals, and policies for the development and conservation of land within the City of Menifee. In addition to the mandatory elements listed above, the City of Menifee has also adopted Economic Development, Community Design, and	The goals and policies of the Land Use, Conservation, Circulation and Infrastructure, Noise, Safety, and Economic Development Elements are applicable to the proposed decommissioning and demolition activities. However, these activities will not conflict with these elements, with the exception of the Economic Development Element. Decommissioning and demolition of the Project will be inconsistent with the Economic Development Element, since it will result in the loss of permanent jobs at the Project. This would conflict with the following Economic Development Policies: ***ED-1.1**: Focus economic development efforts on the primary objective of increasing the number of jobs that pay above-average wages and salaries.*

[47] Commission Decision, pp. 39-40.

LORS	DESCRIPTION	COMMENTS
	Infrastructure Elements to the City's General Plan.	***ED-1.2**: Diversify the local economy and create a balance of employment opportunities across skill and education levels, wages and salaries, and industries and occupations.* ***ED-1.3**: Establish a long-term employment objective where the number of jobs in the city will be equal to or up to 10% higher than the number of employed people living in Menifee.*[48]
Menifee North Specific Plan	The purpose of a specific plan is to provide detailed policies, standards, and criteria for the development or redevelopment of an area. As required by State law, specific plans generally consist of a land plan, circulation plan, development standards, design guidelines, and phasing plan and set forth detailed implementation programs necessary to serve the development. The Project site is located within the Menifee North Specific Plan, which is in both the City of Menifee and Riverside County.[49]	The Menifee North Specific Plan designation for the Project Site is Heavy Industrial (HI) 0.15 – 0.50 FAR. The HI land use designation is intended to be suitable for more intense industrial activities, such as manufacturing uses, that can generate significant impacts such as excessive noise, dust, and other nuisances.[50]

[48] City of Menifee. General Plan Economic Development Element. May 2013. Available at: https://cityofmenifee.us/235/Economic-Development-Element

[49] City of Menifee. Updated General Plan Land Use Map. May 2018. Available at: https://www.cityofmenifee.us/DocumentCenter/View/7685/Updated-General-Plan-Land-Use-Map-May-2018

[50] City of Menifee. Land Use Designations. Available at: https://cityofmenifee.us/DocumentCenter/View/1014/Exhibit_LU-3_LandUseDesignations_20151020?bidId=

LORS	DESCRIPTION	COMMENTS
Riverside County Zoning Ordinance (ORD 348)	The City of Menifee has adopted the Riverside County Zoning Ordinance (ORD 348). Currently, this ordinance serves as the primary zoning regulation in the City.[51,52]	The County Ordinance 348 zoning designation as M-H (Manufacturing, Heavy). The site is within Area 3 of the County's Menifee North Specific Plan, which has a land use designation of "Industrial Park" and a zoning designation of "Industrial," which reflects the County's M-H zone. The M-H zone permits electrical apparatus and components, and public utility substations and storage yards.[53]

At the time the AFC was filed, the Project Site was located in unincorporated Riverside County near the town of Romoland, but it was later annexed into the City of Menifee, approximately 30 miles southeast of the City of Riverside. The Project Site was incorporated into the City of Menifee on October 1, 2008.54 The Project Site is located within the Menifee North Specific Plan, which is in both the City of Menifee and Riverside County.[55]

6.11.3 LORS Conformance and Impact Assessment

The County of Riverside General Plan and Zoning Code have been revised and updated, and the Project Site has been incorporated into the City of Menifee since preparation of the AFC submitted to the CEC for the Project and the beginning of commercial plant operations in 2003. Although specific language and details in both land use guidance documents have changed, the Project as described in the 2003 AFC was consistent with the County's land use designation and zoning for the area at the time. Similarly, the currently proposed decommissioning and demolition of the Project is also consistent with the City of Menifee's currently adopted land use designation and zoning of the Project Site area. Additionally, the proposed decommissioning and demolition is consistent with the goals and policies of the Land Use, Conservation, Circulation and Infrastructure, Noise, and Safety elements of the City's General Plan.

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[51] City of Menifee. Riverside County Zoning Ordinance (ORD. 348). October 17, 2018. Available at: http://library.amlegal.com/nxt/gateway.dll/California/menifee_ca/riversidecountyzoningordinanceord348?f=templates$fn=default.htm$3.0

[52] Telephone call with Brandon Cleary, Planning Technician. City of Menifee Planning Department. May 16, 2019.

[53] City of Menifee. Riverside County Article XII M-H Zone (Manufacturing – Heavy). Available at: http://library.amlegal.com/nxt/gateway.dll/California/menifee_ca/riversidecountyzoningordinanceord348?f=templates$fn=default.htm$3.0

[54] City of Menifee. Incorporation of the City. Available at: http://cityofmenifee.us/85/History

[55] City of Menifee. Updated General Plan Land Use Map. May 2018. Available at: https://www.cityofmenifee.us/DocumentCenter/View/7685/Updated-General-Plan-Land-Use-Map-May-2018

However, the decommissioning and demolition will conflict with the City's Economic Development Element as decommissioning and demolition of the Project will result in the loss of permanent jobs at the Project.

Decommissioning the Project will result in the loss of IEEC as a business and all associated jobs at the plant. Since the Project Site will be redeveloped as a Battery Energy Storage System (BESS), it is anticipated that some new jobs will be created by planned industrial activities. The absolute number of job loss or gain and the skills required is uncertain.

6.11.4 Proposed Conditions

No conditions related to land use are required.

6.12 Noise

This section presents an analysis of LORS compliance and potential environmental impacts from noise that may result from the decommissioning and demolition of the Project.

6.12.1 Background

Operation of the Project includes a number of noise producing sources, including the combustion turbine generators (CTG), the steam turbine generator (STG), the heat recovery steam generators (HRSG), boiler feedwater pumps, and the cooling towers. Secondary noise sources include auxiliary pumps, ventilation fans, motors, valves, and gas compressors. The noise emitted by power plants during normal operations is generally broadband, steady state in nature.

The Commission's Decision for the Project concluded:

> *Construction and operation of the IEEC will not increase noise levels significantly above existing ambient levels in the surrounding community.*
>
> *Construction noise levels are temporary and transitory in nature and will be mitigated to the extent feasible by sound reduction devices, limiting noisy construction to daytime hours, and providing notice to nearby residences and businesses, as appropriate.*
>
> *The nearest sensitive receptor to the IEEC project is located 1,000 feet from the Project site.*
>
> *The Commission therefore concludes that implementation of the following Conditions of Certification ensures that IEEC will comply with the applicable laws, ordinances, regulations, and standards on noise and*

vibration as set forth in the pertinent portion of Appendix A of this Decision.[56]

The Commission did not identify any decommissioning and demolition conditions specifically related to Noise.[57]

6.12.2 Applicable LORS and Required Permits

LORS applicable to noise during decommissioning and demolition are listed in Table 6.12-1.

There are no permits required related to noise.

6.12.3 LORS Conformance and Impact Assessment

Decommissioning and demolition activities will generate noise from the operation of demolition equipment and vehicles. Noise anticipated to occur during demolition and decommissioning activities was estimated and compared with estimated noise during operation of the Project to evaluate the potential for the decommissioning and demolition activities to increase potential impacts from noise.

Table 6.12-1 LORS Applicable to Noise

LORS	DESCRIPTION	COMMENTS
Federal		
Occupational Health and Safety Act of 1970. 29 USC Section 651 et seq. Title 29 CFR Section 1910.95	Regulates the worker noise exposure to 90 decibels (dBA) over an eight-hour work shift. Areas above 85 dBA need to be posted as high noise level areas and hearing protection will be required.	Dismantling activities will comply with these requirements.
State		
Title 8 CCR Section 5095 et seq.	Establishes California Occupational Safety and Health Administration (Cal/OSHA) employee noise exposure limits. These standards are equivalent to the Federal OSHA standards. Worker noise exposure limited to 90 dBA over an eight-hour work shift. Areas where worker noise exposure exceeds 85 dBA must be posted as a noise hazard zone and a hearing conservation program is required.	Dismantling activities will comply with these requirements.

[56] CEC Final Decision, pages 307 to 308.

[57] Commission Decision, pp. 39-40.

Local		
Comprehensive Riverside County General Plan	Defines the land noise levels that are normally acceptable in residential areas as between 50 and 60 dBA. This same range is identified with respect to schools and other similar land uses.	Dismantling activities will comply with these requirements through use of mitigating measures as required.
The Menifee North Specific Plan	Identifies the maximum outdoor noise level of 65 dBA CNEL for residential land uses.	Dismantling activities will comply with these requirements, through the use of mitigating measures as required.

Demolition noise will be generated by the use of equipment and vehicles, typically for dismantling, and for the transport of demolition material and workers to and from the Project Site. Demolition noise levels are a function of the number and type of equipment used and the timing and duration of their noise-generating activities. Table 6.12-2 provides a list of noise levels generated by various types of equipment and vehicles that could potentially be used for the demolition activities.

As shown in Table 6.12-2, maximum noise levels (Lmax) from equipment and vehicles range from approximately 70 to 90 dBA Lmax at 50 feet from the equipment.

These noise levels vary for individual pieces of equipment, based on different sizes and engines. Equipment noise levels also vary as a function of the activity level, or duty cycle. In a typical construction project, the loudest short-term noise generators tend to be earth-moving equipment under full load, at approximately 85 to 90 dBA at a distance of 50 feet from the source. In addition to these maximum instantaneous noise levels, the magnitude of the overall demolition noise can be defined by the type of demolition activity, the various pieces of equipment operating, and the duration of their activity. Typically, short-term noise is averaged over time, such as a one-hour average, expressed as dBA Leq.

Typical low-impact (e.g., not pavement cutting or breaking, or blasting) equipment is estimated to generate maximum noise levels of short duration not to exceed 90 dBA Lmax at 50 feet, and hourly or average noise levels of approximately 80 dBA Leq at 50 feet. However, demolition will include potential concrete and material breaking/cutting activities. The high-impact demolition equipment and activities are estimated to generate maximum noise levels of short duration from 90 to 105 dBA Lmax at 50 feet, and average noise levels of approximately 90 dBA Leq at 50 feet.

Table 6.12-2 Construction/Demolition Equipment Noise Levels

EQUIPMENT	MAXIMUM NOISE LEVEL (DBA) 50 FEET FROM SOURCE
All Other Equipment (5 horsepower or less)	85
Backhoe	80
Boring Jack Power Unit	80
Chain Saw	85
Compressor (air)	80
Concrete (Diamond) Saw	90
Dozer	85
Dump Truck	84
Excavator	85
Flat Bed Truck	84
Front-End Loader	80
Generator (25 KVA or less)	70
Generator (more than 25 KVA)	82
Grader	85
Horizontal Boring Hydraulic Jack	80
Hydra Break Ram	90
Jackhammer	85
Pneumatic Tools	85
Pumps	77
Scraper	85
Tractor	84
Vacuum Street Sweeper	80

Source: FHWA, 2006. *Highway Construction Noise Handbook, Construction Equipment Noise Levels*.
Note: KVA = kilovolt ampere.

Traffic associated with truck hauling of demolished materials, and equipment; and construction worker daily trips will generate noise on-site and along access roadways during demolition. Haul trucks traveling to and from the Project Site will use designated truck routes, and demolition workers will travel to and from the Project Site using regional major arterials.

The collecting, sorting, and hauling of demolished materials with heavy equipment will increase the existing average daytime noise level, which no longer will include the

Project operating noise, as the Project will have been taken off-line (i.e., not operational).

Noise levels from demolition activities will attenuate with distance as point sources at a rate of six dBA per doubling of distance over hard site surfaces (such as streets and parking lots).[58] A worst-case hourly average noise level of approximately 105 dBA Leq at 50 feet will attenuate to approximately 79[59] dBA Leq at 1,000 feet, which is the distance to the nearest sensitive receptor identified as Eller Park. As a result, temporary noise attenuation fences, preferential location of equipment, and use of noise suppression technology should be utilized to bring average noise levels below thresholds as advised in the County of Riverside General Plan N13.3.[60] Furthermore the Noise Element of the County of Riverside General Plan States that projects should "minimize noise spillover or encroachment from commercial and industrial land uses into adjoining residential neighborhoods or noise sensitive uses N 1.6." With this attenuation, ambient noise levels during demolition will be similar to those during Project operation at the nearest sensitive receptor.

The potential for noise impacts to wildlife (including birds) was also considered. Although the Project Site does not contain any natural vegetation communities, landscaped trees and shrubs along the property boundary as well as structures within the facility itself could provide potentially suitable nesting opportunities for avian species. Potential impacts to wildlife and nesting birds is disused further in Section 4.7, Biological Resources. This section also addresses mitigation and avoidance measures to reduce impacts to less than significant levels or altogether avoid impacts to sensitive species.

As stated above, the presumed peak noise level would be 79[61] dBA Lmax. Therefore, surrounding hourly average noise levels during demolition will not be greatly increased and would be similar to ambient levels. A worst-case hourly average noise level of other demolition activities will be approximately 105 dBA Leq at 50 feet, which will attenuate to approximately 79[62] dBA Leq at 1,000 feet. Finally, noise from decommissioning and demolition will occur only during daytime hours. Therefore, the decommissioning and demolition will comply with applicable noise LORS and not cause a significant impact.

[58] FHWA, 2006. Highway Construction Noise Handbook, Construction Equipment Noise Levels.

[59] Engineering ToolBox, (2005). Inverse Square Law. [online] Available at: https://www.engineeringtoolbox.com/inverse-square-law-d_890.html [14.05.19].

[60] *Noise Element* (Rep.). (2015, December 8). Retrieved May 29, 2019, from City of Riverside website: https://planning.rctlma.org/Portals/14/genplan/general_Plan_2017/elements/OCT17/Ch07_Noise_120815.pdf?ver=2017-10-11-102104-080

[61] Engineering ToolBox, (2005). Inverse Square Law. [online] Available at: https://www.engineeringtoolbox.com/inverse-square-law-d_890.html [14.05.19].

[62] Engineering ToolBox, (2005). Inverse Square Law. [online] Available at: https://www.engineeringtoolbox.com/inverse-square-law-d_890.html [14.05.19].

6.12.4 Proposed Conditions

The Section 6.6, Worker Safety, discusses the Health and Safety Plans that must remain in place during decommissioning and demolition, including the requirement for worker hearing protection when needed. In addition the following condition is proposed:

D-Noise-1:

Temporary noise attenuation fences, preferential location of equipment, and use of noise suppression technology will be utilized as necessary to bring average noise levels below thresholds as advised in the County of Riverside General Plan N13.3.[63]

No additional conditions related to noise are proposed for the decommissioning and demolition. I

6.13 Socioeconomics

This section addresses the potential short- and long-term socioeconomic impacts of the Project decommissioning and demolition on local housing, employment and population, schools, medical and protective services, and the fiscal and physical capability of local agencies to meet the needs of project related population changes. It describes existing socioeconomic conditions and discusses potential impacts during decommissioning activities and once decommissioning is completed. The section covers a range of economic and demographic characteristics of the area. Environmental justice considerations are addressed separately in this section.

6.13.1 Background

The Project is located approximately six miles west of the City of Hemet and approximately 30 miles southeast of the City of Riverside. The Project was located in the County of Riverside when it was permitted; however, the Project Site was subsequently incorporated into the City of Menifee on October 1, 2008.[64] The Project AFC submitted to the CEC in May 2003, included an analysis of the Project's impact on the economic base of the local area, as well as on population, housing, public services, and utilities. The study area assessed (affected area) includes Los Angeles, Orange, Riverside, San Bernardino, and Sand Diego Counties. Also included in this study were the Romoland Census Designated Place (CDP) and Sun City CDP, which were discontinued as CDPs in the 2010 census.

[63] *Noise Element* (Rep.). (2015, December 8). Retrieved May 29, 2019, from City of Riverside website: https://planning.rctlma.org/Portals/14/genplan/general_Plan_2017/elements/OCT17/Ch07_Noise_120815.pdf?ver=2017-10-11-102104-080

[64] City of Menifee. Incorporation of the City. Available at: http://cityofmenifee.us/85/History

The Commission Decision concluded:

> *A large skilled labor pool in the greater Riverside County area is available for construction and operation of the project;*
>
> *The project will not cause an influx of a significant number of construction or operation workers to relocate in the local area;*
>
> *The project will not result in significant adverse effects to local employment, housing, schools, public utilities, or emergency;*
>
> *There is no evidence of unmitigated disproportionate impacts to minorities or low-income populations;*
>
> *We therefore conclude that implementation of all Conditions of Certification in this Decision and the mitigation measures identified in the evidentiary record ensures that the project will comply with all applicable laws, ordinances regulations, and standards relating to socioeconomic factors as identified in the pertinent portion of Appendix A of this Decision.*[65]

The Commission Decision did not identify any decommissioning and demolition conditions specifically related to socioeconomics.[66]

6.13.2 Applicable LORS and Required Permits

There are no socioeconomic LORS directly applicable to decommissioning and demolition. Local LORS, including the Riverside County General Plan and the North Menifee Specific Plan, apply indirectly vis-à-vis noise and air quality, and are addressed in those sections.

No socioeconomics-related permits are required for the proposed decommissioning and demolition.

6.13.3 LORS Conformance and Impact Assessment

The following sections discuss the potential effects of decommissioning and demolition on socioeconomics. The potential for environmental justice impacts is also evaluated in this section.

[65] Commission Decision, pp. 324-325.

[66] Commission Decision, pp. 39-40

6.13.3.1 Evaluation Methods and Significance Criteria

For the purposes of this evaluation, local socioeconomic impacts were determined by comparing decommissioning and demolition demands and non-operation of the facility with the existing socioeconomic resources for the study area.

Decommissioning and demolition-related impacts would be considered significant if they:

- Induce substantial growth or concentration of population;
- Displace a substantial number of people or existing housing;
- Cause a substantial decrease in employment or property values;
- Result in the substantial change (increase or decrease) of students into an impacted school;
- Cause a substantial change (increase or decrease) in the demand for public services that would affect local agencies' ability to provide public services; or
- Cause a substantial disruption or division of the physical arrangement of an established community.

Socioeconomic impacts from decommissioning and demolition could also be considered significant if they were to cause substantial change in community interaction patterns, social organization, social structures, or social institutions; cause substantial conflict with community attitudes, values, or perceptions; or cause substantial inequities in the distribution of decommissioning costs and benefits.

6.13.3.2 Existing Socioeconomic Conditions

Since the population, housing, economic, employment, public service, utility, and fiscal resources of the communities within the Project area have changed since the Project was constructed, information is provided below to describe the current socioeconomic conditions of the Project area.

For the purpose of this socioeconomic analysis, the study area is considered to be the primary residential communities of the current Project labor force. An average of 23 workers are based at the facility during normal operation. Of these workers, 80 percent live in the communities of Menifee, Perris, and Hemet.

Pursuant to Executive Order 12898, this socioeconomics analysis also addresses environmental justice to identify whether adverse human health or environmental effects are likely to fall disproportionately on minority and/or low-income populations of the community. The study area for the environmental justice analysis was delineated by a six-mile radius from the Project Site per CEC guidelines. At the time the FSA was issued the study areas included a 45.2 percent minority population based on Census 2000 data. Currently that percentage is above 50 percent in all surrounding communities studied.

Population

Table 6.13-1 represents population estimates as of the April 2010 Census for communities in the study area. From the 2010 Census to the 2018 population estimate, the population of Riverside County increased by nearly 12 percent to 2,450,758.[67] Roughly 200,000 people live in the cities of Perris, Hemet, Winchester, Nuevo, and the surrounding unincorporated areas, or about 10 percent of the County's population overall.

Table 6.13-1 Study Area Population Counts 2010 Census

GEOGRAPHY/SUBAREA	2010 POPULATION CENSUS
Perris	68,386
Hemet/Winchester	78,657
Nuevo	6,447
Riverside County	2,189,641

Source: https://www.census.gov/quickfacts

Housing

Table 6.13-2 presents study area housing estimates for communities and surrounding counties of the Project. According to the 2010 Census, there were 840,207 housing units in Riverside County. Household counts for Perris, Hemet, Nuevo, and Riverside Counties summarized in the table below are based on Census 2010 counts. Owner-occupied housing percentages are near the national average of 63 percent, and are bolstered by the County Neighborhood Stabilization Program, and participation in the HOME program through the National Affordable Housing Act. Recreational vehicle (RV) facilities and apartment housing represent the bulk of the remainder. Temporary housing would likely be used by workers who relocate to the area during decommissioning and demolition. Temporary housing in the form of hotel/motel rooms are present in Perris and Menifee, and many are present in Hemet. Temporary housing opportunities are available in the form of RV facilities, mobile home sites, and campgrounds.

[67] Accessed May 16, 2019 US Census Bureau Quick Facts: Riverside County, Nuevo CDP, Hemet City, Perris City
https://www.census.gov/quickfacts/fact/table/perriscitycalifornia,nuevocdpcalifornia,hemetcitycalifornia,riversidecountycalifornia,US/PST045218

Table 6.13-2 Study Area Housing Estimates, 2010 Census (Extrapolated)

GEOGRAPHY/SUBAREA	HOUSEHOLDS	OWNER OCCUPIED HOUSING RATE
Perris	16,582	62.6%
Hemet/Winchester	29,726	74.7%
Nuevo	1905	57.6%
Riverside County	711,724	65.0%

Source: https://www.census.gov/quickfacts

Economy and Employment

Table 6.13-3 presents 2010 annual average employment figures for those workers (by craft) most likely required for decommissioning and demolition as well as employment projections for the selected occupations for 2020. The region includes San Bernardino County and Riverside County for statistical purposes. As of 2010, there were relatively high numbers of construction trade workers, material moving workers, and truck drivers.

Employment projections for material moving workers and truck drivers were also relatively high, with projections for over 20 percent more occupations by 2020. Specialized positions were fewer in number, including construction managers and excavating machine operators; however, specialized machine operators are more likely to commute longer distances based on the value for work performed.

Table 6.13-3 Local Labor Pool by Craft Riverside Region, 2018

OCCUPATIONAL TITLE	ANNUAL AVERAGE EMPLOYMENT		EMPLOYMENT CHANGE		AVERAGE ANNUAL JOB OPENINGS		
	2010	2020	Number	Percent	New Jobs	Net Replacement	Total
Construction Managers	5,000	5,490	490	9.8%	49	32	81
Construction Trades Workers	52,650	57,040	4,390	8.3%	483	1,041	1,524
Material Moving Workers	56,140	69,830	13,690	24.4%	1,369	1,687	3,056
Heavy and Tractor-Trailer Truck Drivers	22,530	28,960	6,430	28.5%	643	448	1,091
Excavating/ Loading / Dragline Operators	280	300	20	7.1%	2	8	10

Source: http://www.calmis.ca.gov/file/occproj/rive$occproj.xls

Table 6.13-4 presents information on the labor force and unemployment rates within the study area and by community based on the EDD's preliminary labor force data for March 2019.[68] For 2019, the Riverside County labor force is estimated at 1,100,000 with an unemployment rate of 4.7 percent.[69] In February 2019, there were 20,409 individuals certified for unemployment benefits in Riverside County.[70]

Table 6.13-4 Preliminary Labor Force and Unemployment Rates, March 2019

			UNEMPLOYMENT		CENSUS RATIOS	
AREA NAME	LABOR FORCE	EMPLOY-MENT	NUMBER	RATE	EMPLOYED	UNEMPLOYED
Riverside County	1,100,000	1,048,600	51,400	4.7%	1.000000	1.000000
Hemet city	30,100	28,100	2,100	6.9%	N/A	N/A
Homeland CDP	3,000	2,900	200	5.0%	0.002747	0.002971
Menifee city	39,100	37,200	1,900	4.8%	N/A	N/A
Nuevo CDP	3,100	2,900	200	5.7%	0.002798	0.003427
Perris city	31,000	29,200	1,800	5.8%	N/A	N/A
Romoland CDP	800	800	0	2.7%	0.000780	0.000456

Source: Monthly Labor Force Data for Cities and Census Designated Places (CDP)

Public Services and Utilities

The County Sheriff's Department provides law enforcement and public safety services to the Project Site. The Perris sheriff's station is located at 137 North Perris Boulevard, and serves the communities of Canyon Lake, Gavilan Hills, Glen Valley, Homeland, Juniper Flats, Lake Mathews, Lakeview, Nuevo, Mead Valley, Menifee, Perris, Romoland, Winchester, and Woodcrest.

Fire protection services are provided by the Riverside County Fire Department (RCFD). RCFD Station 76 (Menifee Lakes Fire Station) located southeast of the decommissioning site, Station 7 (Menifee City Fire Station) located to the southwest, Station 101 (City of Perris County Fire Station) is to the northwest along State Route 215, and the Homeland Fire Station located directly east along State Route 74.

[68] Appendix C to Socioeconomics Section: Economic Development Department Monthly Labor Force Data for Cities and Census Designated Places (CDP) https://www.labormarketinfo.edd.ca.gov

[69] Accessed May 16, 2019: EDD regional statistical information for Riverside County https://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/localAreaProfileQSResults.asp?selectedarea=Riverside+County&selectedindex=33&menuChoice=localAreaPro&state=true&geogArea=0604000065&countyName=

[70] Accessed May 19, 2019 Unemployment Claims by County EDDhttps://www.edd.ca.gov/about_edd/Quick_Statistics_Information_by_County.htm

The nearest full-service hospital is Menifee Valley Medical Center, located south of the Project Site in Menifee. Menifee Valley Medical Center is an 84-bed hospital providing emergency services, imaging, lab, surgical, and inpatient and outpatient services.[71]

Public elementary and middle schools near the Project Site are part of the Menifee Union School District, serving 10,200 students as of 2018.[72] Nearby Heritage High School, Perris Lake High School, and Paloma Valley High school are part of the Perris Union School District.

Fiscal Resources

A summary of Riverside County[73] and City of Menifee[74] expenses and revenues for the 2017 fiscal year is provided in Table 6.13-5. The Project is located in the City of Menifee, and any impacts from tax losses will be to the City and the County. Impacts to County fiscal resources from decommissioning will be temporary as the property is slated to change hands and will continue to be used as an energy facility. While the City collects more than 2/3 of its revenues from taxes, only eight percent of County revenues come from taxes, and four percent from operational licensing, permitting, etc. For the fiscal year 2018, revenues for Riverside County and City of Menifee totaled approximately $4.84B and $35.8MM, respectively, and expenditures totaled $4.80B and $33.27MM, respectively. Riverside County's key expenditures were on public protection ($1.48MM), health and sanitation ($1.22B), and public assistance ($1.04B).

[71] Accessed May 9, 2019 Menifee Valley Medical Center Services
http://www.menifeevalleymedicalcenter.com/pages/services?sub=Patients%20and%20Visitors

[72] Accessed May 9, 2019 Menifee Union School District: About Us
https://www.menifeeusd.org/District/220-About-Us.html

[73] Accessed May 14, 2019 Riverside County, Budget and Financial Information: Income Statement
https://countyofriverside.us/AbouttheCounty/BudgetandFinancialInformation.aspx

[74] Accessed May 14, 2019: City of Menifee, Budget and Financial Information: CAFD
https://cityofmenifee.us/DocumentCenter/View/6605/City-of-Menifee-FY-16-17-CAFR

Table 6.13-5 Riverside County and City of Menifee Expenses and Revenues for FY2017

EXPENSES AND REVENUES	RIVERSIDE COUNTY AMOUNT (MILLIONS)	PERCENT YOY CHANGE	MENIFEE AMOUNT (MILLIONS)
Expenses	$4,800.1	1.7%	$33.276
Public Protection	$1,488.3	2.5%	$20.700
Health and Sanitation	$1,220.1	3.2%	$3.378
Public Assistance	$1,043.2	-1.2%	$3.643
General Government	$709.1	-1.4%	$4.698
Public Ways and Facilities	$172.7	10.7%	--
Debt Service	$120.7	4.1%	--
Education	$23.4	4.6%	--
Recreation and Cultural Services	$22.5	2.3%	$0.822
Other Activity/Enterprise	--	--	--
Revenues	$4,485.3	3.3%	$35.830
General Government	$1,467.0	3.1%	$8.061
Health and Sanitation	$1,102.9	3.9%	$1.160
Public Assistance	$990.3	0.1%	
Public Protection	$997.0	3.2%	
Public Ways and Facilities	$159.3	17.6%	$0.655
Debt Service	$84.2	1.2%	$0.060
Education	$24.7	13.1%	
Recreational and Cultural Services	$19.9	8.0%	
Other Activity/Enterprise	----		$24.036

Environmental Justice

Table 6.13-6 presents the minority population composition of the study area and for Riverside County. The County has a minority population of 64.6 percent, higher than Hemet, Winchester, and Nuevo, but lower than Perris. All study areas have a minority population greater than 50 percent. Furthermore, Perris and Nuevo both have Hispanic populations greater than 50 percent, while the County has a 49.1 percent Hispanic population, and the City of Hemet has a 42.7 percent Hispanic population. The median household income for Riverside County is higher than Perris or Hemet, but lower than Nuevo.

The Perris City census area has 21.2 percent of its population living below the poverty level. Hemet/Winchester census area has 23.2 percent of its population living below the poverty level (23.2 percent), which is higher than the comparison area of Riverside County as a whole (12.9 percent). Nuevo has a lower percentage of population below the poverty level at 8.9 percent.

Census data used in the preparation of the 2003 FSA indicated minority percentages lower than 50 percent in the census areas within a six-mile radius of the Project. However, the 2003 FSA included focused air quality assessment for construction scenarios to evaluate the potential for environmental justice issues related to PM10 particulate matter from construction based on pockets of higher concentrations of minority population in the study area. The FSA mitigation guidelines for construction included parametric monitoring of construction dust emissions and a limitation on the construction schedule, with ambient air quality monitoring being recommended by staff for compliance assurance (see AQ-SC5 and AQ-SC6 of the FSA). Currently, the minority population in the Project environs is much higher. However, mitigation measures to address fugitive dust and emissions from demolition would be similar to the construction scenario, and, impacts would be reduced below levels of insignificance.[75]

Table 6.13-6 Environmental Justice Characteristics

GEOGRAPHIC AREA	TOTAL POPULATION (2010)	TOTAL MINORITY (PERCENTAGE MINORITY) (2010)	MEDIAN HOUSEHOLD INCOME	POPULATION LIVING BELOW THE POVERTY LEVEL
Perris	68,386	89.7%	$54,657	21.2%
Hemet/ Winchester	78,657	57.1%	$37,171	23.2%
Nuevo	6,447	61.1%	$66,895	8.9%
Riverside County	2,189,641	64.6%	$60,807	12.9%

Source:
https://www.census.gov/quickfacts/fact/table/perriscitycalifornia,nuevocdpcalifornia,hemetcitycalifornia,riversidecountycalifornia,US/PST045218

6.13.3.3 Discussion of Impacts from Decommissioning and Demolition Activities

The following subsections describe the potential impacts resulting from decommissioning and demolition, and the permanent loss of the Project, on population, housing, employment, public services, schools, and the economic base and fiscal resources of Riverside County, the City of Menifee, and/or local communities within the study area, where appropriate.

[75] 2003 Staff Report, Page 70

Workforce and Population

During operation, the Project employed an average of 23 workers.[76] It is expected that some employees may be able to find employment at other nearby traditional or alternative energy generation facilities in the region. The vast majority of these workers and their families live in the Perris and Menifee areas. Based on an average household size of 3.26, a maximum of 75 people could leave the Perris/Menifee/Hemet area, representing .037 percent of the total estimated population.

Project employees were paid approximately $1.3 million in wages, including salary, benefits, overtime, and incentives annually, and the Project plant supported $538,109 annually in indirect income in the region.[77] While some of the IEEC plant employees may find other positions in the local area, including Perris, Menifee, and Hemet, others may have to relocate. Because the new owner will use the site for battery storage, new jobs are expected to be created that may offset all or some of the jobs lost by closure of the Project.

Decommissioning and demolition is expected to occur over a total of 12 months. The decommissioning will require an estimated average of 30 workers per day, including both IEEC employees and demolition contractor staff, over the 12-month decommissioning period. It is assumed that demolition contractor workers will commute from within Riverside County, or the surrounding counties of San Bernardino, Los Angeles, and San Diego, with some relocating temporarily. The primary trades required for decommissioning and demolition include managers, trades workers, material moving workers, heavy truck drivers, and loading machine operators. Even at the peak of decommissioning and demolition activities, the availability of key occupations in the region would be more than sufficient to meet employment needs; the decommissioning would require less than 0.01 percent of the available workforce assuming all workers came from Riverside County. Therefore, labor demand would not significantly affect the availability of labor in the region. It is anticipated that the vast majority of the workforce would commute to the site rather than relocate. Thus, impacts to population are expected to be minimal and the decommissioning would not induce substantial growth. Additionally, the decommissioning and demolition would be limited to existing site boundaries and would not displace existing populations.

Housing

Decommissioning and demolition is expected to have a less than significant impact on housing because of the relatively small number of employees employed at the Project during operation, and the limited number and term for decommissioning and demolition personnel. Some current IEEC employees are expected to find nearby employment; however, even if all workers (and their families) leave the Perris/Menifee/Hemet area, this would only marginally increase vacancy rates. Furthermore, because the Project

[76] IEEC FSA, 2003 Section 5.8, page 283 Socioeconomics

[77] IEEC FSA, 2003 Section 5.8, page 284 Socioeconomics

Site will be developed for battery energy storage, some of the IEEC employees and/or their families could find employment at the new facility.

As mentioned above, it is assumed that few, if any, demolition workers would permanently relocate to the communities nearest the Project Site. This assumption is based on the expectation that workers of this type of work typically commute relatively long distances to work sites, on a contract basis, and maintain a home base elsewhere. Should some workers choose to stay temporarily at a local area motel or hotel, there is sufficient transient housing in both Perris and Hemet to accommodate that demand. Additional housing opportunities are available in the form of RV, mobile home sites, and campgrounds. Should a portion of the workers relocate to the area for the duration of their assignment, impacts to available housing would be minor, as the rental vacancy rate is sufficient for workers to find nearby rental units.

Economy and Employment

As stated above, an average of 23 full-time employees were employed at the facility during normal operation including general staff and administrative support, plant maintenance, and operations staff. These employees included various technicians, skilled personnel, operators, and engineers. Upon the cessation of plant operations, these employees may lose their jobs and be forced to either find employment elsewhere or leave the labor force.

It is anticipated that most of these workers could find employment within the immediate region. However, some would be forced to leave the Perris/Menifee/Hemet area for employment elsewhere. Statistically, a loss of even 100 positions in the Perris/Menifee/Hemet area by itself would cause a negligible (less than .1 percent) change in local unemployment and would be negligible at the local and county level.It is uncertain how many workers will be employed at the BESS facility, but these will offset, to some degree, the loss of IEEC employees should those individuals leave the area or not obtain ongoing employment.

The employees who worked at the Project were paid approximately $1.3 million in wages annually and the plant supported $538,109 in indirect income in the immediate area. The loss of this direct and indirect income will be partially or entirely offset with jobs created by the BESS facility. During the decommissioning and demolition period, the indirect income will likely be higher due to the increased decommissioning activities. The resulting change is uncertain, but at worst would represent a slight decrease in the total income and is not a significant impact.

Project decommissioning and demolition will create a temporary, positive impact on the local economic base and fiscal resources. Wages and salaries will provide some minor additional income to the area, as will expenditures within the region for decommissioning and demolition materials and services. The payroll has been estimated at approximately $3M over twelve months including IEEC, consultant and contractor personnel. Expenditures and local spending on decommissioning and

demolition materials and equipment is expected to be negligible as heavy equipment, trucks, and temporary labor may be sourced outside of the local area.

The minor economic benefit of decommissioning and demolition wages and salaries will create both indirect and induced secondary economic benefits in the region. However, given the relatively small number of personnel and the short timeframe for the activities, these secondary economic impacts will be negligible compared to the overall economic activity in the region.

Public Services, Utilities, and Schools

The decommissioning and demolition of the Project will not increase demands on local police, fire, medical, or other emergency services, nor will it increase the need for additional public utilities.

No significant impacts to local public services are expected during decommissioning and demolition activities. Current law enforcement, fire, and medical service capacity should be sufficient to handle emergencies at the Project Site. Communication equipment will be available on Project Site at all times to contact first responders if emergencies arise. Health and safety programs designed to mitigate hazards and comply with applicable LORS will be developed and implemented to protect worker health and safety during decommissioning and demolition activities.

Although minimal or no population impacts are expected, there will be some demands on utility services during decommissioning as a result of onsite activities.

Decommissioning and demolition will likely require potable water and electrical utility supplies and will generate wastewater and solid waste. It is anticipated that existing electrical and water services will be adequate for use considering that electrical and water service for the power block and balance of plant will not be required. Sanitary wastes generated will likely be collected in portable, self-contained toilets and hauled to an appropriate disposal site. No significant impacts are expected.

Decommissioning and demolition is expected to have an insignificant local and regional impact on schools. A large proportion of the workforce is expected to commute to the site daily. Further, workers who relocate temporarily for a work assignment typically do not bring their families with them. Romoland Elementary School, located northwest of the Project, across State Route 74, is the closest school to the Project Since the school is located approximately 1,575 feet away, decommissioning and demolition would not have any long-term impacts on the elementary school. The next nearest schools, Heritage High School and Hans Christensen Middle School are located 1.5-1.75 miles away from the Project Site, and school activities will not be affected by impacts associated with decommissioning and demolition activities (e.g., air quality).

Fiscal Resources

Estimates suggest that the Project contributed $4MM annually in property taxes. According to the latest Riverside County revenue information (FY2017), this represents

less than one percent of the total tax revenues. The loss of taxes will be distributed among local agencies and programs within the County, as noted in the Fiscal Resources section above, tax revenues only account for 8 percent of the County's revenues overall. The decrease from the decommissioning and demolition of the Project is considered negligible and will be replaced to some extent by revenues from the new owner of the site. This is not a significant impact.

Expenditures on decommissioning and demolition materials, supplies, and equipment are expected to be limited. Riverside County and local city revenues resulting from taxes on materials, supplies, and equipment are not expected to be significant and would likely not affect budgeting or activities at the County level.

Environmental Justice

Federal guidelines for addressing environmental justice include a two-step screening process to determine whether a project could result in disproportionate impacts on low-income and minority populations. The first step is to evaluate whether the potentially affected community or area includes minority and low-income populations. If it contains these population groups, the second step is to determine whether the environmental impacts fall disproportionately on minority and low-income members of the community. In this case, a 65 percent concentration of minorities or a 13 percent concentration of people with low income (i.e., above the rate seen for Riverside County as a whole) are used as the cut-offs to indicate that there is a potential issue in a given area.

Based on the first step of the screening process described above, the proportion of low-income populations in Perris and Hemet 12.9 percent in both cities. The proportions of minority residents in Perris is higher than in Riverside County as a whole.

In the context of decommissioning the Project, the primary environmental justice issues would typically be potential air, noise, or traffic issues that could adversely affect the health of nearby populations. As discussed in the relevant sections of this Plan, these impacts during decommissioning and demolition will be comparable to the impacts from construction and operation and can be mitigated to a level below significance by implementing the proposed mitigation measures for emissions, fugitive dust, noise, and traffic control. The decommissioning and demolition of the Project will result in a decrease in operational air quality impacts and impacts to surrounding communities from noise and traffic generation, and will not create significant socioeconomic impacts.

6.13.4 Proposed Conditions

No significant impacts have been identified and no conditions are warranted.

6.14 Traffic and Transportation

This section presents potential impacts to traffic that may result from the proposed decommissioning and demolition of the Project. Impacts are presented, and as appropriate, mitigation to reduce any potentially significant transportation impacts to a less than significant level is proposed.

6.14.1 Background

The Commission Decision concluded that with implementation of the COC, the additional traffic generated by the construction and operation of the Project would not significantly impact traffic in the area.

> *The addition of traffic associated with construction or operation of the IEEC Project will not have a significant effect on existing Levels of Service (LOS) at local intersections in the project vicinity.*[78]

6.14.2 Applicable LORS and Required Permits

Table 6.14-1 describes the applicable LORS associated with traffic and transportation.

No additional permits are needed related to the decommissioning and demolition.

Table 6.14-1 LORS Applicable to Transportation

LORS	Description	Comments
Federal		
49 CFR Chapter III, Subchapter B, Sections 350-399 on Motor Carrier Safety, Registration, and Transportation of Hazardous Materials	Establishes regulations affecting interstate motor carrier operations, routing registrations, insurance of vehicles and operational safety; describes transportation standards for radioactive and hazardous materials	Dismantling activities will comply with these requirements
State		
California Vehicle Code Division 15. Size, Weight, and Load Section 35000-35796	Provides requirements as to the size and licensing of vehicles on public highways	Vehicles associated with the decommissioning and demolition activities will meet these requirements or obtain the required permits to exceed the requirements.

[78] Commission Decision, p. 279.

LORS	Description	Comments
California Streets and Highway Code	Provides regulation pertaining to the modification of street infrastructure	Since the decommissioning and demolition activities do not propose to remove, replace, or modify any facility within road rights-of-way, these requirements are not applicable.
Local		
Riverside County Congestion Management Program (CMP)	• Requires a Traffic Impact Analysis (TIA) for projects that generate substantially more trip at thresholds of more than 50 daily truck trips. • Requires projects that are truck intensive to study truck access routes, confirm the adequacy of existing streets to be used, safety issues related to truck traffic, and impacts to truck traffic on existing traffic on surrounding land uses.	Since the decommissioning and demolition activities propose to generate 20 daily truck trips, a TIA is not required. However, activities will maintain compliance with the CMP objectives and policies.

6.14.3 LORS Conformance and Impact Assessment

Conformance with each of the LORS described in Section 6.14.2 will be assured as follows:

- The Code of Federal Regulations (CFR), Title 49, govern the transportation of goods and materials over public highways – Vehicles associated with the decommissioning and demolition activities will meet these requirements.
- The California Vehicle Code provides requirements as to the size, weight, and licensing of vehicles on public highways – Vehicles associated with the decommissioning activities will meet these requirements or obtain the required permits to exceed the requirements.
- The California Streets and Highway Code pertaining to the modification of street infrastructure – Since the decommissioning activities do not propose to remove, replace, or modify any facility within road rights-of-way, these requirements are not applicable.

- The Riverside County Congestion Management Program (CMP)[79] requirement for a Traffic Impact Analysis (TIA) for projects that generate substantially more trip at thresholds of more than 50 daily truck trips – Since the decommissioning activities are proposed to only generate 20 truck trips or 35 Passenger Car Equivalent (PCE), a TIA is not required.
- In addition to the standard TIA requirement, projects that are truck intensive are required to study truck access routes, confirm the adequacy of existing streets to be used, safety issues related to truck traffic, and impacts of truck traffic on existing traffic on surrounding land uses.

6.14.3.1 Existing Traffic Conditions and Level of Service

Access to the Project Site is provided by California State Route (SR-74), a conventional two-lane or four-lane that connects Perris and Hemet through the City of Menifee, and residential communities throughout nearby Romoland. SR-74 begins at the interchange with Interstate 5 (I-5) in San Juan Capistrano and stretches toward Palm Desert in Riverside County, with access to the Project Site via Sherman Road that runs in a north-south direction and intersects Antelope Road which is located to the west of the Project Site. Equipment and shipment of materials may also be feasible via the Burlington Northern & Santa Fe Railway (BNSF). The BNSF runs diagonally to the east of the Project Site and intersects with San Jacinto and Ethanac Roads and parallels Russell Road and SR-74. As Russell Road eventually connects to Ethanac Road, access from the east through Ethanac Road and Antelope Road is discussed.

Antelope Road intersects with Ethanac Road which connects the Menifee Specific Plan Area to the North. Ethanac Road is a highly traveled two-lane thoroughfare that bifurcates north Menifee. Currently undergoing expansion to four-lanes, Ethanac Road will eventually be widened with anticipated increase of traffic due to development and revitalization of communities at Romoland and Riverside County. As Ethanac Road connects to Antelope Road which runs directly adjacent to the Project Site, Ethanac Road is an important access point to the Project Site. Antelope Road intersects with Ethanac Road in a “T” configuration and provides access to the industrial region and Project Site south of Ethanac Road. Antelope Road is a paved one lane at the Project Site that provides direct access to the Project area. Approximately 200 feet east of Antelope Road is one set of BNSF railroad tracks. Currently, the tracks cross Ethanac Road at grade.

Level of Service (LOS) is a quantitative measure of quality of service of a specific mode of transportation. The Highway Capacity Manual divides highway quality of service into six letter grades, “A” through “F,” with “A” being the best and “F” being the worst. Currently, the LOS at the Project intersection by Antelope Road is at C, or acceptable condition to maneuver at operating speed. At Ethanac Road and Antelope Road, the LOS is projected to improve from a D to C or better following expansion with improved

[79] Riverside County. Congestion Management Program. 2011, Accessible via www.rctcdev.info/uploads/media_items/congestionmanagement program.original.pdf

connectivity for businesses, residents, and surrounding commercial and industrial activities.

Table 6.14-2 Level of Service Criteria for Riverside County Roadways and Intersections

Level of Service (LOS)	Average Control Delay (Seconds/ Vehicle) for Signalized/ Unsignalized Intersections	General Description
A	≤10/ 0 – 10	Free Flow
B	>10 – 20/ >10 – 15	Stable Flow (slight delays)
C	>20 – 35/ >15 – 25	Stable Flow (acceptable delays)
D	>35 – 55/ >25 – 35	Approaching unstable flow (tolerable delay, occasionally wait through more than one signal cycle before proceeding)
E	>55 – 80/ >35 – 50	Unstable flow (intolerable delay)
F	>80/ >50	Forced flow (congested and queues fail to clear)

Source: Highway Capacity Manual 2010, Transportation Research Board, 2010.

Existing traffic volumes were obtained from the Caltrans Traffic Data Branch and from the County of Riverside. Data from these agencies are the most current publicly available. They were collected by County of Riverside between 2014 and 2018.To Project traffic volume from the collection dates of 2014-2018 to current year level at 2019, a one percent annual increase was assumed.

6.14.3.2 Vehicle Trips during Demolition

Based on anticipated conditions associated with decommissioning and demolition following is activity specific estimated truck trip information:

- Mobilization and demobilization of heavy equipment - 20 truckloads;
- Removal of salvage metals - 1,540 truckloads;
- Removal of construction and demolition debris - 100 truckloads;
- Import of fill material – 160 truckloads;
- Fuel delivery - 100 truckloads;
- Total estimated Project truckloads – 1,920 or 3,840 round trip truck trips.

During the 12-month decommissioning and demolition duration, 3,840 round trip truck trips will occur, or 6,758 PCE using a conversion factor of 1.76[80]. Considering approximately 280 work days, this equates to approximately 14 daily truck trips.

[80] Transportation Research Board. Highway Capacity Manual. 2000.

Based on this review it is anticipated that the Project would result in less than 20 truck trips per day. This is below the 50 daily truck trips established by the City of Menifee to require a TIA during the heavy traffic hours. Based on regional traffic data, total estimated daily truck trips within the vicinity of the Project is greater than 13,000 trips. Thus, decommissioning and demolition represents a less than 1 percent increase over area trucking activity, which is not considered significant.

6.14.4 Proposed Conditions

The decommissioning and demolition activity over the course of the 12-month decommissioning and demolition duration would not result in significant transportation impacts.

Nevertheless, the following condition is proposed:

D-T&T-1:

A traffic management plan shall be developed to ensure compliance with the Riverside County Congestion Management Program (CMP). This plan must include information regarding truck access routes, confirm the adequacy of existing streets to be used, and assess safety issues related to truck traffic.

6.15 Visual Resources

This section presents an analysis of LORS compliance and potential environmental impacts to visual resources that may result from the proposed decommissioning and demolition.

6.15.1 Background

The Project is within the City of Menifee, which also encompasses the neighboring communities of Sun City, Quail Valley, and parts of Romoland.[81] The surrounding area consists of diverse topographic features and distinct natural character such as valleys, mountains, and rock formations.[82] The regional landscape consists of broad, flat alluvial plains that are punctuated by small, rocky hills, and bordered by treeless buttes that rise up to 300 feet or more above the valley floor. The valleys are typically surrounded by arid, undeveloped hill lands, and much of the flat land on the plains is devoted to a mix of irrigated and dry-farmed field crops. Developed communities within the immediate Project vicinity include Romoland, Perris, and Sun City. These areas exhibit landscape characteristics typical of a built urban environment. Electric transmission infrastructure is also a prominent presence in the regional landscape with Southern California

[81] City of Menifee, California. Available at: https://www.cityofmenifee.us/85/History

[82] City of Menifee, California. September 4, 2014. Community Design Background Document & Definitions. Available at: https://www.cityofmenifee.us/DocumentCenter/View/1059/3_CD_Background-Document_HD0913_edited?bidId=

Edison's (SCE) 500 kV Valley Substation serving as the hub of the regional transmission and distribution system.

The existing community is currently characterized by agricultural, residential, commercial, and industrial uses.[83] Although much of the Project vicinity landscape has a rural or quasi-rural appearance, it is, in reality, a landscape that is in transition to a more uniformly urbanized level of development. Indeed, much of the area's now-open agricultural lands will likely be converted to suburban density residential and commercial uses as well as industrial use. Such conversion is already starting to take place in the Interstate 215 (I-215) corridor with the construction of residential tract developments.

The Project Site is located within Menifee near the communities of Romoland and Sun City in the County of Riverside. The 46-acre site is bounded by Ethanac Road and the Burlington Northern & Santa Fe Railway (BNSF) on the north, McLaughlin to the south, San Jacinto Road to the east, and Antelope Road on the west.

The Project includes the natural gas-fired generating facility located on the Project Site as well as electrical transmission, natural gas, water, and wastewater source and discharge connections under the CEC's jurisdiction. The off-site linear facilities will remain after decommissioning and demolition.

The visual impact evaluation includes two categories for assessment: visual settings and visual changes. Visual settings criteria consist of visual quality, viewer concern, viewer exposure, and visual sensitivity. The visual changes criteria include contrast, dominance, and view blockage. These criteria are evaluated from the perspective of specified view areas or Key Observation Points (KOPs).

COC adopted to mitigate visual impacts of the Project include: VIS-1 through VIS-8. COC VIS 1 thru VIS-3 and VIS-6 thru VIS-8 mitigate impacts of Project-specific structure to levels of no significance. Measures VIS-4 and VIS-5 to mitigate the night lighting impacts of the Project to levels of no significance.

The Commission Decision concluded the following with regard to the Project's compliance with visual resources LORS and potential visual resources impacts:

> *The Commission therefore concludes that implementation of the mitigation measures contained in the Conditions of Certification and otherwise described in Conditions of Certification and otherwise described the evidentiary record ensure that the IEEC will not result in significant adverse direct or cumulative impacts to visual resources.*[84]

[83] City of Menifee, California. April 5, 2016. Land Use Background Document and Definitions. Available at: http://www.cityofmenifee.us/DocumentCenter/View/3654/Land-Use-Background-Document-and-Definitions?bidId=

[84] Commission Decision, p. 290.

The Commission Decision did not identify any decommissioning or demolition conditions specifically related to Visual Resources.[85]

6.15.2 Applicable LORS and Required Permits

KOPs are evaluated using only the Local LORS for the Project Site. The local LORS consist of Riverside County Comprehensive General Plan, Menifee North Specific Plan, Sun City/Menifee Valley Community Plan, and City of Perris General Plan. Federal and State LORS do not apply due to the property being on private land and no state roads or highways being designated or eligible under the State Scenic Highway. However, the roads surrounding the Project Site, SR-74 and I-215 are designated Eligible County Scenic Highways; therefore, local LORS would apply. In addition, local LORS were found to be applicable to the enhancement and/or maintenance of visual quality and the protection of views.

Decommissioning and demolition activities will occur only at the Project Site. LORS potentially applicable to visual resources in this area are shown in Table 6.16-1.

Table 6.16-1 LORS Applicable to Visual Resources

LORS	DESCRIPTION	COMMENTS
Local		
Riverside County Zoning Ordinance; Ordinance 655	Ordinance implements the light pollution policies of the Riverside County Comprehensive General Plan	Decommissioning and demolition activities will not occur during night-time hours. Some night-time lighting with existing facility lights will be used for the purposes of maintaining site security.
Sun City/Menifee Valley Community Plan; Policy (d): Lighting	Night lighting shall be provided in industrial areas for security and shall be directed away from adjacent properties	The Project incorporates directional shielding and light management procedures and technology (see also COC VIS-5)

[85] Commission Decision, pp. 39-40.

LORS	DESCRIPTION	COMMENTS
Sun City/Menifee Valley Community Plan; Policy (a) and (d): Visually Sensitive Road Corridors	(a) Within [660 feet of] scenic road corridors, trees and other roadside landscaping shall be utilized to protect and enhance the view from the road; (d) The design and appearance of new land uses within scenic road corridors shall be compatible with the scenic setting or environment. All appurtenant equipment and storage areas shall be screened as needed to make them compatible with the scenic setting or environment	The existing roadside landscaping consisting of trees, shrubs and groundcovers will remain to continue providing screening and visual character to the surrounding area; is a net benefit to the surrounding area

6.15.3 LORS Conformance and Impact Assessment

Decommissioning and demolition activities will occur during the daylight hours; therefore, substantial night lighting of the Project Site will not be necessary. Existing facility lighting operable after separation from the 500 kV backfeed, as well as temporary lighting, as necessary, will be used for the purposes of maintaining site security at night, and will be used in accordance with the lighting and shielding requirements of the existing COC.

Decommissioning and demolition of the Project will result in the elimination of certain of the above ground portions of the power plant and the removal of the resulting waste from the Project Site. Other structures will be left in place for use by the new owners. Since other industrial facilities dominate the Project area landscape, the visual character of the Project area will remain substantially unchanged following decommissioning and demolition of the Project.

Decommissioning and demolition of the Project will not result in a significant adverse impact to visual resources.

6.15.4 Proposed Conditions

Decommissioning and demolition of the Project will eliminate structures that currently impact visual resources in the area, and will therefore result in a positive impact. Existing facility fencing will screen the decommissioning and demolition activities from public view to the extent feasible. Existing perimeter landscaping will not be materially affected by decommissioning and demolition, and existing signage will be removed. Existing lighting, supplemented with temporary lighting as necessary, will be used during decommissioning and demolition. Based on the foregoing, the existing COC are not relevant to decommissioning and demolition and no conditions related to visual resources are required. No significant impacts to visual resources will result from decommissioning and demolition.

APPENDIX A AIR QUALITY AND GREENHOUSE GAS CALCULATIONS

APPENDIX A

AIR QUALITY AND GREENHOUSE GAS CALCULATIONS

NARRATIVE

Appendix A consists of a series of Tables designed to calculate both criteria pollutant and greenhouse gas (GHG) emissions associated with the demolition of the Inland Empire Energy Center (IEEC). Emissions are calculated, as described in the IECC Decommissioning Plan, for both diesel-fueled mobile off-road equipment, as well as gasoline-fueled and diesel-fueled on-road vehicles.

A list of these Tables and their contents is shown below:

Table A-1 NOx and VOC Emission Factor Calculations – Mobile Off-Road Vehicles

Table A-2 PM, CO and SOx Emission Factor Calculations – Mobile Off-Road Vehicles

Table A-3 Hourly, Daily and Annual Emission Rates – Mobile Off-Road Equipment

Table A-4 Compliance with 2020 Fleet Standards for Mobile Off-Road Equipment

Table A-5 GHG Emissions from Mobile Off-Road Vehicles

Table A-6 Criteria Pollutant Emissions from On-Highway Vehicle Tailpipes

Table A-7 GHG Emissions from On-Highway Vehicle Tailpipes

Table A-8 Summary of Annual Emissions from Demolition Operations

Appendix A also contains a series of Attachments that include the California Air Resources Board (CARB) Executive Orders for each of the engines found in the mobile off-road equipment that is planned to be utilized at the Project.

TABLE A-1

NOx and VOC Emission Factor Calculations - Mobile Off-Road Vehicles

Note: For Tier 2 and Tier 3 Engines marked with *, assume NOx = 95% of NMHC + NOx value found in the ARB Executive Order

	Vehicle Type	HP	Executive Order - ARB	EPA Engine Family Name		NOx Emission Factor g/kw-hr	NOx Emission Factor g/hp-hr	Maximum HP	Maximum FUEL	NOx Emission Factor Pounds/Gallon
1	Excavator 1	433	U-R-005-0359	AKLXL15.2ED7	*	3.325	2.479	560	27.86	0.1099
2	Excavator 2	359	U-R-005-0395	DKLXL11.0DDA		1.800	1.342	362	18.00	0.0595
3	Excavator 3	359	U-R-005-0439	HKLXL11.0DDC		0.250	0.186	362	17.86	0.0083
4	Excavator 4	355	U-R-003-0058	BVSXL12.8T4I		1.800	1.342	355	17.57	0.0598
5	Excavator 5	288	U-R-003-0061	CVSXL12.8T41		1.800	1.342	288	14.43	0.0591
6	Skidsteer 1	85	U-R-025-0311	7KBXL03.8AAD	*	6.080	4.534	85	4.66	0.1824
7	Skidsteer 2	85	U-R-025-0456	AKBXL03.8AAD	*	3.990	2.975	85	4.53	0.1231
8	Compactor 1	156	U-R-022-0214	JPKXL04.4MUI		0.28	0.209	157	8.57	0.0084
9	Loader 1	225	U-R-001-0550	JCPXL7.01HPF		1.83	1.365	241	12.43	0.0583
10	Crane 1	333	U-R-002-0671	JCEXL08.9AAN		0.19	0.142	333	17.00	0.0061

Note: For Tier 2 and Tier 3 Engines marked with *, assume VOC = 5% of NMHC + NOx value found in the ARB Executive Order

	Vehicle Type	HP	Executive Order - ARB	EPA Engine Family Name		VOC Emission Factor g/kw-hr	VOC Emission Factor g/hp-hr	Maximum HP	Maximum FUEL	VOC Emission Factor Pounds/Gallon
1	Excavator 1	433	U-R-005-0359	AKLXL15.2ED7	*	0.175	0.130	560	27.86	0.0058
2	Excavator 2	359	U-R-005-0395	DKLXL11.0DDA		0.005	0.004	362	18.00	0.0002
3	Excavator 3	359	U-R-005-0439	HKLXL11.0DDC		0.250	0.186	362	17.86	0.0083
4	Excavator 4	355	U-R-003-0058	BVSXL12.8T4I		0.010	0.007	355	17.57	0.0003
5	Excavator 5	288	U-R-003-0061	CVSXL12.8T41		0.020	0.015	288	14.43	0.0007
6	Skidsteer 1	85	U-R-025-0311	7KBXL03.8AAD	*	0.320	0.239	85	4.66	0.0096
7	Skidsteer 2	85	U-R-025-0456	AKBXL03.8AAD	*	0.210	0.157	85	4.53	0.0065
8	Compactor 1	156	U-R-022-0214	JPKXL04.4MUI		0.01	0.007	157	8.57	0.0003
9	Loader 1	225	U-R-001-0550	JCPXL7.01HPF		0.03	0.022	241	12.43	0.0010
10	Crane 1	333	U-R-002-0671	JCEXL08.9AAN		0.01	0.007	333	17.00	0.0003

TABLE A-2

PM, CO and SOx Emission Factor Calculations - Mobile Off-Road Vehicles

	Vehicle Type	HP	Executive Order - ARB	EPA Engine Family Name	PM Emission Factor g/kw-hr	PM Emission Factor g/hp-hr	Maximum HP	Maximum FUEL	PM Emission Factor Pounds/Gallon
1	Excavator 1	433	U-R-005-0359	AKLXL15.2ED7	0.130	0.097	560	27.86	0.0043
2	Excavator 2	359	U-R-005-0395	DKLXL11.0DDA	0.010	0.007	362	18.00	0.0003
3	Excavator 3	359	U-R-005-0439	HKLXL11.0DDC	0.002	0.001	362	17.86	0.0001
4	Excavator 4	355	U-R-003-0058	BVSXL12.8T4I	0.010	0.007	355	17.57	0.0003
5	Excavator 5	288	U-R-003-0061	CVSXL12.8T41	0.010	0.007	288	14.43	0.0003
6	Skidsteer 1	85	U-R-025-0311	7KBXL03.8AAD	0.350	0.261	85	4.66	0.0105
7	Skidsteer 2	85	U-R-025-0456	AKBXL03.8AAD	0.320	0.239	85	4.53	0.0099
8	Compactor 1	156	U-R-022-0214	JPKXL04.4MUI	0.02	0.015	157	8.57	0.0006
9	Loader 1	225	U-R-001-0550	JCPXL7.01HPF	0.004	0.003	241	12.43	0.0001
10	Crane 1	333	U-R-002-0671	JCEXL08.9AAN	0.004	0.003	333	17.00	0.0001

	Vehicle Type	HP	Executive Order - ARB	EPA Engine Family Name	CO Emission Factor g/kw-hr	CO Emission Factor g/hp-hr	Maximum HP	Maximum FUEL	CO Emission Factor Pounds/Gallon
1	Excavator 1	433	0 U-R-005-0359	AKLXL15.2ED7	0.400	0.298	560	27.86	0.0132
2	Excavator 2	359	0 U-R-005-0395	DKLXL11.0DDA	0.400	0.298	362	18.00	0.0132
3	Excavator 3	359	0 U-R-005-0439	HKLXL11.0DDC	0.040	0.030	362	17.86	0.0013
4	Excavator 4	355	0 U-R-003-0058	BVSXL12.8T4I	0.100	0.075	355	17.57	0.0033
5	Excavator 5	288	0 U-R-003-0061	CVSXL12.8T41	0.100	0.075	288	14.43	0.0033
6	Skidsteer 1	85	0 U-R-025-0311	7KBXL03.8AAD	1.600	1.193	85	4.66	0.0480
7	Skidsteer 2	85	0 U-R-025-0456	AKBXL03.8AAD	0.900	0.671	85	4.53	0.0278
8	Compactor 1	156	0 U-R-022-0214	JPKXL04.4MUI	0.030	0.022	157	8.57	0.0009
9	Loader 1	225	0 U-R-001-0550	JCPXL7.01HPF	0.200	0.149	241	12.43	0.0064
10	Crane 1	333	0 U-R-002-0671	JCEXL08.9AAN	0.004	0.003	333	17.00	0.0001

The SOx Enission Factor for all engines is calcualted based on the California Air Resources Board (ARB) requiring all diesel fuel utilized in Califonia to have a maximum sulfur content of 15 PPM. Noting that 1 pound of Sulfur yields 2 pounds of SOx, the SOx Emission Factor is calculated as: 7.0 pounds of fuel/gallon x (15/1,000,000) x (2 lbs SOx/lb of S) = 0.00021 Pounds/Gallon

TABLE A-3

Hourly, Daily and Annual Emission Rates - Mobile Off-Road Equipment

	Vehicle Type	HP	HOURLY FUEL		DAILLY FUEL			ANNUAL FUEL		
					Hours			Days		
1	Excavator 1	433	21.54	Gallon	8	130	Gallon	250	23,400	Gallon
2	Excavator 2	359	17.85	Gallon	8	105	Gallon	250	18,900	Gallon
3	Excavator 3	359	17.71	Gallon	8	105	Gallon	250	18,900	Gallon
4	Excavator 4	355	17.57	Gallon	8	100	Gallon	250	18,000	Gallon
5	Excavator 5	288	14.43	Gallon	8	90	Gallon	250	16,200	Gallon
6	Skidsteer 1	85	4.66	Gallon	8	15	Gallon	250	2,700	Gallon
7	Skidsteer 2	85	4.53	Gallon	8	15	Gallon	250	2,700	Gallon
8	Compactor 1	156	8.52	Gallon	8	32	Gallon	45	1,440	Gallon
9	Loader 1	225	11.60	Gallon	8	40	Gallon	45	1,800	Gallon
10	Crane 1	333	17.00	Gallon	8	96	Gallon	5	480	Gallon
								Total	**104,520**	**Gallon**

	Vehicle Type	HP	HOURLY EMISSIONS (lbs)					DAILY EMISSIONS (lbs)					ANNUAL EMISSIONS (tons)				
			NOx	VOC	PM	CO	SOx	NOx	VOC	PM	CO	SOx	NOx	VOC	PM	CO	SOx
1	Excavator 1	433	2.37	0.12	0.093	0.28	0.005	14.28	0.75	0.56	1.72	0.027	1.29	0.07	0.050	0.15	0.0025
2	Excavator 2	359	1.06	0.00	0.006	0.24	0.004	6.25	0.02	0.03	1.39	0.022	0.56	0.00	0.003	0.12	0.0020
3	Excavator 3	359	0.15	0.15	0.001	0.02	0.004	0.87	0.87	0.01	0.14	0.022	0.08	0.08	0.001	0.01	0.0020
4	Excavator 4	355	1.05	0.01	0.006	0.06	0.004	5.98	0.03	0.03	0.33	0.021	0.54	0.00	0.003	0.03	0.0019
5	Excavator 5	288	0.85	0.01	0.005	0.05	0.003	5.32	0.06	0.03	0.30	0.019	0.48	0.01	0.003	0.03	0.0017
6	Skidsteer 1	85	0.85	0.04	0.049	0.22	0.001	2.74	0.14	0.16	0.72	0.003	0.25	0.01	0.014	0.06	0.0003
7	Skidsteer 2	85	0.56	0.03	0.045	0.13	0.001	1.85	0.10	0.15	0.42	0.003	0.17	0.01	0.013	0.04	0.0003
8	Compactor 1	156	0.07	0.00	0.005	0.01	0.002	0.27	0.01	0.02	0.03	0.007	0.01	0.00	0.000	0.00	0.0002
9	Loader 1	225	0.68	0.01	0.001	0.07	0.002	2.33	0.04	0.01	0.26	0.008	0.05	0.00	0.000	0.01	0.0002
10	Crane 1	333	0.10	0.01	0.002	0.00	0.004	0.59	0.03	0.01	0.01	0.02	0.00	0.00	0.000	0.00	0.0001
		2678	**7.74**	**0.38**	**0.21**	**1.08**	**0.03**	**40.48**	**2.06**	**1.01**	**5.31**	**0.15**	**3.42**	**0.18**	**0.09**	**0.46**	**0.01**
		HP	**NOx**	**VOC**	**PM**	**CO**	**SOx**	**NOx**	**VOC**	**PM**	**CO**	**SOx**	**NOx**	**VOC**	**PM**	**CO**	**SOx**

TABLE A-4

COMPLIANCE WITH 2020 MEDIUM FLEET STANDARDS FOR MOBILE OFF-ROAD VEHICLES

	RANGE OF HP		25-49	50-74	75-99	100-174	175-299	300-599	600-750	>750	HP x
	2020 NOx TARGET		4.1	4.2	3.4	3.1	2.9	2.8	2.9	4.5	NOx
	Vehicle Type	HP									
1	Excavator 1	433						2.8			1212
2	Excavator 2	359						2.8			1005
3	Excavator 3	359						2.8			1005
4	Excavator 4	355						2.8			994
5	Excavator 5	288					2.9				835
6	Skidsteer 1	85			3.4						289
7	Skidsteer 2	85			3.4						289
8	Compactor 1	156				3.1					484
9	Loader 1	225					2.9				653
10	Crane 1	333						2.8			994
	TOTALS	**2678**				**Fleet Target NOx Emission Factor =**		**2.90**			**7760**

	Vehicle Type	HP	Model Year	Engine Tier	Actual g/hp-hr	Weighted HP x NOx
1	Excavator 1	433	2010	Tier 3	2.48	1074
2	Excavator 2	359	2013	Tier 4 I -Alt	1.34	482
3	Excavator 3	359	2016	Tier 4 Final	0.19	67
4	Excavator 4	355	2011	Tier 4 - Alt	1.34	477
5	Excavator 5	288	2012	Tier 4 I - Alt	1.34	387
6	Skidsteer 1	85	2007	Tier 2	4.53	385
7	Skidsteer 2	85	2010	Tier 3	2.98	253
8	Compactor 1	156	2018	Tier 4 Final	0.21	33
9	Loader 1	225	2018	Tier 4 - Alt	1.36	307
10	Crane 1	333	2018	Tier 4 Final	0.14	47
	TOTALS	**2678**				3511

Actual Fleet NOx Emission Factor = 1.31

Percentage Below Fleet Standard for 2020 = 54.8%

TABLE A-5

GHG EMISSIONS FROM MOBILE OFF-ROAD VEHICLES

1 **GHG EMISSION FACTORS FOR DIESEL FUEL**

Heat Value of Diesel Fuel	**0.138**	**MM BTU/GALLON**

EMISSION FACTOR CALCULATIONS

CO2 FACTOR		CH4 FACTOR		N2O FACTOR	
KG/MM BTU	KG/ 1000 GALLON	G/MM BTU	KG/ 1000 GALLON	G/MM BTU	KG/ 1000 GALLON
73.96	10206.48	3	0.414	0.6	0.0828

Total Fuel Consumption - All Off-Road Vehicles	**104,520**	**GALLON/YEAR**

EMISSION CALCULATIONS

CO2 EMISSIONS (Metric Tons)	CH4 EMISSIONS (Metric Tons)	N2) EMISSIONS (Metric Tons)
1066.78	0.04	0.01
CO2 EQUIVALENT (Metric Tons)	**CO2 EQUIVALENT (Metric Tons)**	**CO2 EQUIVALENT (Metric Tons)**
1066.78	0.91	1.94

Total GHG Emissions from all Mobile Off-Road Vehicles	**1,070**	**METRIC TON CO2e**

TABLE A-6

CRITERIA POLLUTANT EMISSIONS FROM ON-HIGHWAY VEHICLE TAILPIPES

VEHICLE TYPE	NUMBER OF TRIPS		1-WAY	NOx EMISSIONS			VOC EMISSIONS			CO EMISSIONS		
	DAILY	ANNUAL	(Miles)	E Factor g/mile	DAILY pounds	ANNUAL tons	E Factor g/mile	DAILY pounds	ANNUAL tons	E Factor g/mile	DAILY pounds	ANNUAL tons
Passenger Car, Gasoline	10	2600	15	0.0508	0.034	0.004	0.0148	0.0098	0.0013	0.8309	0.550	0.071
Passenger Truck - Light Duty - Gas	10	2600	15	0.1530	0.101	0.013	0.0428	0.0283	0.0037	1.7668	1.169	0.152
Passenger Truck - Light Duty - Diesel	10	2600	15	0.0534	0.035	0.005	0.0219	0.0145	0.0019	0.1690	0.112	0.015
Work Truck (8.5K - 10K GVWR)	1	260	15	2.1215	0.140	0.018	0.0816	0.0054	0.0007	0.4669	0.031	0.004
Work Truck (10K - 14K GVWR)	2	360	15	1.8571	0.246	0.022	0.0759	0.0100	0.0009	0.4252	0.056	0.005
Medium Duty 2-Axle Truck	1	10	20	2.9267	0.258	0.013	0.1596	0.0141	0.0001	0.5575	0.049	0.000
Heavy Duty 5-Axle Truck Trip Type A	2	20	31	4.8640	1.313	0.007	0.1828	0.0493	0.0002	0.6958	0.188	0.001
Heavy Duty 5-Axle Truck Trip Type B	20	1540	28	4.8640	12.053	0.464	0.1828	0.4530	0.0174	0.6958	1.724	0.066
Heavy Duty 5-Axle Truck Trip Type C	2	100	29	4.8640	1.222	0.031	0.1828	0.0459	0.0011	0.6958	0.175	0.004
Heavy Duty 5-Axle Truck Trip Type D	5	160	10	4.8640	1.072	0.017	0.1828	0.0403	0.0006	0.6958	0.153	0.002
Heavy Duty 5-Axle Truck Trip Type E	1	100	30	4.8640	0.633	0.032	0.1828	0.0238	0.0012	0.6958	0.090	0.005
				TOTAL NOx Emissions	**17.107 POUNDS DAILY**	**0.625 TONS ANNUAL**	**TOTAL VOC Emissions**	**0.694 POUNDS DAILY**	**0.029 TONS ANNUAL**	**TOTAL CO Emissions**	**4.297 POUNDS DAILY**	**0.326 TONS ANNUAL**

VEHICLE TYPE	NUMBER OF TRIPS		1-WAY	PM10 EMISSIONS			PM2.5 EMISSIONS			SOx EMISSIONS		
	DAILY	ANNUAL	(Miles)	E Factor g/mile	DAILY pounds	ANNUAL tons	E Factor g/mile	DAILY pounds	ANNUAL tons	E Factor g/mile	DAILY pounds	ANNUAL tons
Passenger Car, Gasoline	10	2600	15	0.0018	0.0012	0.0002	0.0017	0.0011	0.0001	0.0028	0.0019	0.0002
Passenger Truck - Light Duty - Gas	10	2600	15	0.0029	0.0019	0.0003	0.0027	0.0018	0.0002	0.0033	0.0022	0.0003
Passenger Truck - Light Duty - Diesel	10	2600	15	0.0070	0.0046	0.0006	0.0067	0.0044	0.0006	0.0029	0.0019	0.0002
Work Truck (8.5K - 10K GVWR)	1	260	15	0.0177	0.0012	0.0002	0.0169	0.0011	0.0001	0.0046	0.0003	0.0000
Work Truck (10K - 14K GVWR)	2	360	15	0.0177	0.0023	0.0002	0.0170	0.0022	0.0002	0.0050	0.0007	0.0001
Medium Duty 2-Axle Truck	1	10	20	0.0992	0.0087	0.0004	0.0949	0.0084	0.0000	0.0095	0.0008	0.0000
Heavy Duty 5-Axle Truck Trip Type A	2	20	31	0.0874	0.0236	0.0001	0.0836	0.0226	0.0001	0.0137	0.0037	0.0000
Heavy Duty 5-Axle Truck Trip Type B	20	1540	28	0.0874	0.2166	0.0083	0.0836	0.2072	0.0080	0.0137	0.0340	0.0013
Heavy Duty 5-Axle Truck Trip Type C	2	100	29	0.0874	0.0220	0.0005	0.0836	0.0210	0.0005	0.0137	0.0034	0.0001
Heavy Duty 5-Axle Truck Trip Type D	5	160	10	0.0874	0.0193	0.0003	0.0836	0.0184	0.0003	0.0137	0.0030	0.0000
Heavy Duty 5-Axle Truck Trip Type E	1	100	30	0.0874	0.0114	0.0006	0.0836	0.0109	0.0005	0.0137	0.0018	0.0001
				TOTAL PM10 Emissions	**0.313 POUNDS DAILY**	**0.012 TONS ANNUAL**	**TOTAL PM 2.5 Emissions**	**0.299 POUNDS DAILY**	**0.011 TONS ANNUAL**	**TOTAL SOx Emissions**	**0.054 POUNDS DAILY**	**0.002 TONS ANNUAL**

TABLE A-7

GHG EMISSIONS FROM ON-HIGHWAY VEHICLE TAILPIPES

VEHICLE TYPE	ANNUAL TRIPS	1-WAY (Miles)	CO_2 EMISSIONS E Factor g/mile	CO_2 EMISSIONS ANNUAL Metric tons	CH_4 EMISSIONS E Factor g/mile	CH_4 EMISSIONS ANNUAL Metric tons	N_2O EMISSIONS E Factor g/mile	N_2O EMISSIONS ANNUAL Metric tons	ANNUAL CO_2e Metric Tons
Passenger Car, Gasoline	2600	15	286.2783	22.33	0.0037	0.00029	0.0053	0.00042	**22.46**
Passenger Truck - Light Duty - Gas	2600	15	332.811	25.96	0.0095	0.00074	0.0316	0.00246	
Passenger Truck - Light Duty - Diesel	2600	15	301.8314	23.54	0.001016	0.00008	0.0474	0.00370	**24.69**
Work Truck (8.5K - 10K GVWR)	260	15	482.3014	3.76	0.003792	0.00003	0.0758	0.00059	**3.95**
Work Truck (10K - 14K GVWR)	360	15	531.5955	5.74	0.003525	0.00004	0.0836	0.00090	**6.02**
Medium Duty 2-Axle Truck	10	20	1002.845	0.40	0.007414	0.00000	0.1576	0.00006	**0.42**
Heavy Duty 5-Axle Truck Trip Type A	20	31	1451.693	1.78	0.008491	0.00001	0.2282	0.00028	**1.86**
Heavy Duty 5-Axle Truck Trip Type B	1540	28	1451.693	125.64	0.008491	0.00073	0.2282	0.01975	**131.78**
Heavy Duty 5-Axle Truck Trip Type C	100	29	1451.693	8.27	0.008491	0.00005	0.2282	0.00130	**8.68**
Heavy Duty 5-Axle Truck Trip Type D	160	10	1451.693	4.65	0.008491	0.00003	0.2282	0.00073	**4.87**
Heavy Duty 5-Axle Truck Trip Type E	100	30	1451.693	8.56	0.008491	0.00005	0.2282	0.00135	**8.98**
TOTALS				**230.64 ANNUAL Metric tons**		**0.00205 ANNUAL Metric tons**		**0.03154 ANNUAL Metric tons**	**213.72 ANNUAL Metric tons**

TABLE A-8

SUMMARY OF ANNUAL EMISSIONS FROM DEMOLITION OPERATIONS

SOURCE OF EMISSIONS	CRITERIA POLLUTANT EMISSION RATES (Tons/Year)						GHG Metric Tons
	VOC	CO	NOx	SOx	PM10	PM2.5	CO2e
All Mobile Off-Road Equipment	0.179	0.457	3.416	0.011	0.088	N/A	1,070
All On-Road Vehicles	0.029	0.326	0.625	0.002	0.000	0.0001	214
Total All Demolition Emissions	**0.208** TONS VOC	**0.783** TONS CO	**4.041** TONS NOx	**0.013** TONS SOx	**0.088** TONS PM10	**0.000** TONS PM2.5	**1,284** Metric Tons CO2e

ATTACHMENT A-1

EXCAVATOR 1

CARB EXECUTIVE ORDER

U-R-005-0359

California Environmental Protection Agency AIR RESOURCES BOARD	KOMATSU LIMITED	EXECUTIVE ORDER U-R-005-0359 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2010	AKLXL15.2ED6	15.2	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Engine Control Module, Direct Diesel Injection, Turbocharger, Charge Air Cooler, Exhaust Gas Recirculation	Loader, Dozer, Generator and Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
225 ≤ kW < 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.6	0.4	0.15	11	4	16

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 24th day of December 2009.

D Nguyen

for Annette Hebert, Chief
Mobile Source Operations Division

Attachment 1 of 1
12-16-2009

U-R-005-0359

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
AKLXL15.2ED6	3C01	SAA6D140E-5	518@2000	270	181	1601@1400	326	153	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3C02	SAA6D140E-5	357@1900	204	128	1331@1250	279	116	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3C03	SAA6D140E-5	496@1800	281	170	1619@1350	322	146	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3C04	SAA6D140E-5	433@1800	251	150	1435@1400	290	130	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3C05	SAA6D140E-5	360@1900	205	130	1353@1300	285	123	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3C06	SAA6D140E-5	452@2000	238	160	1497@1400	303	143	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3C07	SAA6D140E-5	453@2000	243	163	1541@1400	316	149	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3C08	SAA6D140E-5	407@2000	225	151	1468@1400	305	144	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	6DTA15KCM-3	SAA6D140E-5	496@1800	281	170	1619@1350	322	146	EM,TC,CAC,EGR,DFI,ECM
AKLXL15.2ED6	3G01	SAA6D140E-5	578@1800	334	201	—	—	—	EM,TC,CAC,EGR,DFI,ECM

ATTACHMENT A-2

EXCAVATOR 2

CARB EXECUTIVE ORDER

U-R-005-0395

California Environmental Protection Agency AIR RESOURCES BOARD	KOMATSU LIMITED	EXECUTIVE ORDER U-R-005-0395 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2013	DKLXL11.0DDA	11.0	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Periodic Trap Oxidizer, and Engine Control Module	Loader and Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Interim Tier 4 / ALT NOx	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.005	1.8	--	0.4	0.01	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 10 day of July 2012.

Annette Hebert, Chief
Mobile Source Operations Division

Attachment 1 of 1

Engine Model Summary Template

U-R-005-0395
6-18-2012

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
DKLXL11.0DDA	4C01	SAA6D125E-6	333@2000	176	118	1237@1400	243	114	OC EM,TC,CAC,EGR,DFI,ECM PTOX
DKLXL11.0DDA	4C02	SAA6D125E-6	362@1900	198	126	1114@1400	215	101	EM,TC,CAC,EGR,DFI,ECM
DKLXL11.0DDA	4C03	SAA6D125E-6	274@2000	149	100	964@1450	192	93	EM,TC,CAC,EGR,DFI,ECM
DKLXL11.0DDA	4C04	SAA6D125E-6	404@2000	221	142	1259@1400	251	117	EM,TC,CAC,EGR,DFI,ECM

ATTACHMENT A-3

EXCAVATOR 3

CARB EXECUTIVE ORDER

U-R-005-0439

California Environmental Protection Agency Air Resources Board	KOMATSU LIMITED	EXECUTIVE ORDER U-R-005-0439 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2017	HKLXL11.0DDC	11.0	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Periodic Trap Oxidizer, Engine Control Module, Selective Catalytic Reduction-Urea, and Ammonia Oxidation Catalyst	Loader, Dozer, Off-Road Truck

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.01	0.25	--	0.04	0.002	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 9th day of December 2016.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

Page 1 | 1

U-R-005-0439
11/18/2016

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
HKLXL11.0DDC	5C01	SAA6D125E-7	333@2000	176	118	1237@1400	239	108	EM,TC,CAC,EGR,DFI,ECM, SCR-U, AMOX, PTOX, DOC
HKLXL11.0DDC	5C02	SAA6D125E-7	362@1900	201	125	1114@1400	217	98	EM,TC,CAC,EGR,DFI,ECM, SCR-U, AMOX, PTOX, DOC
HKLXL11.0DDC	5C03	SAA6D125E-7	267@1900	152	94	938@1400	186	83	EM,TC,CAC,EGR,DFI,ECM, SCR-U, AMOX, PTOX, DOC
HKLXL11.0DDC	5C04	SAA6D125E-7	274@2000	149	99	964@1450	187	88	EM,TC,CAC,EGR,DFI,ECM, SCR-U, AMOX, PTOX, DOC
HKLXL11.0DDC	5C05	SAA6D125E-7	405@2000	216	139	1259@1400	244	111	EM,TC,CAC,EGR,DFI,ECM, SCR-U, AMOX, PTOX, DOC

ATTACHMENT A-4

EXCAVATOR 4

CARB EXECUTIVE ORDER

U-R-003-0058

California Environmental Protection Agency AIR RESOURCES BOARD	VOLVO CONSTRUCTION EQUIPMENT AB	EXECUTIVE ORDER U-R-003-0058 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2011	BVSXL12.8T4I	12.8	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Modules, Smoke Puff Limiter, Exhaust Gas Recirculation, Periodic Trap Oxidizer	Loaders, Articulated Hauler, Excavators, Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 / ALT NOx	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.01	1.8	--	0.1	0.01	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 17th day of December 2010.

Annette Hebert, Chief
Mobile Source Operations Division

Attachment 1 of 1

Engine Model Summary Template

U-R-003-0058
12-7-10

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm^3/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm^3/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
BVSXL12.8T4I	13-6*) 13-20	D13H	441@1900	248 ± 4%	157 ± 4%	1741@1200	335 ± 4%	134 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	**)Ref to 13-6	D13H	432@1900	243 ± 4%	154 ± 4%	1706@1200	328 ± 4%	131 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	13-8, 13-22	D13H	288@1700	179 ± 4%	101 ± 4%	1165@1300	226 ± 4%	98 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	13-9, 13-25	D13H	355@1800	206 ± 4%	123 ± 4%	1328@1350	257 ± 4%	116 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	13-12, 13-23	D13H	261@1900	151 ± 4%	96 ± 4%	1380@1050	263 ± 4%	92 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	**)Ref to 13-12	D13H	261@1900	151 ± 4%	96 ± 4%	1058@1050	206 ± 4%	72 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	***)Ref to 13-12	D13H	261@1900	151 ± 4%	96 ± 4%	1121@1050	218 ± 4%	76 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	13-13, 13-24	D13H	286@1900	164 ± 4%	104 ± 4%	1497@1000	290 ± 4%	97 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	**)Ref to 13-13	D13H	286@1900	164 ± 4%	104 ± 4%	1184@1000	232 ± 4%	77 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	***)Ref to 13-13	D13H	286@1900	164 ± 4%	104 ± 4%	1195@1000	233 ± 4%	78 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	13-14, 13-26	D13H	331@1900	186 ± 4%	118 ± 4%	1646@1100	313 ± 4%	115 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	**)Ref to 13-14	D13H	331@1900	186 ± 4%	118 ± 4%	1305@1100	250 ± 4%	92 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	***)Ref to 13-14	D13H	331@1900	186 ± 4%	118 ± 4%	1335@1100	256 ± 4%	94 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	13-15, 13-27	D13H	382@1900	211 ± 4%	134 ± 4%	1646@1100	313 ± 4%	115 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	**)Ref to 13-15	D13H	354@1900	198 ± 4%	125 ± 4%	1646@1100	314 ± 4%	115 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	***)Ref to 13-15	D13H	354@1900	198 ± 4%	125 ± 4%	1350@1100	258 ± 4%	95 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
BVSXL12.8T4I	****)Ref to 13-15	D13H	354@1900	198 ± 4%	125 ± 4%	1401@1100	268 ± 4%	98 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF

*) Test engine

**) MultiTorque Curve Level 1

***)MultiTorque Curve Level 2

****)MultiTorque Curve Level 3

ATTACHMENT A-5

EXCAVATOR 5

CARB EXECUTIVE ORDER

U-R-003-0061

California Environmental Protection Agency AIR RESOURCES BOARD	VOLVO CONSTRUCTION EQUIPMENT AB	EXECUTIVE ORDER U-R-003-0061 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2012	CVSXL12.8T4I	12.8	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Modules, Smoke Puff Limiter, Exhaust Gas Recirculation, Periodic Trap Oxidizer	Loaders, Articulated Hauler, Excavators, Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Interim Tier 4 / ALT NOx	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.02	1.8	--	0.1	0.01	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 31 day of October 2011.

Annette Hebert, Chief
Mobile Source Operations Division

Attachment 1 of 1

U-R_003_0061

10-28-2011

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm^3/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm^3/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
CVSXL12.8T4I	13-6*) 13-20	D13H	441@1900	248 ± 4%	157 ± 4%	1741@1200	335 ± 4%	134 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF DD1
CVSXL12.8T4I	**)Ref to 13-6	D13H	432@1900	243 ± 4%	154 ± 4%	1706@1200	328 ± 4%	131 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	13-8, 13-22	D13H	288@1700	179 ± 4%	101 ± 4%	1165@1300	226 ± 4%	98 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	13-9, 13-25	D13H	355@1800	206 ± 4%	123 ± 4%	1328@1350	257 ± 4%	116 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	13-12, 13-23	D13H	261@1900	151 ± 4%	96 ± 4%	1380@1050	263 ± 4%	92 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	**)Ref to 13-12	D13H	261@1900	151 ± 4%	96 ± 4%	1058@1050	206 ± 4%	72 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	***)Ref to 13-12	D13H	261@1900	151 ± 4%	96 ± 4%	1121@1050	218 ± 4%	76 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	13-13, 13-24	D13H	286@1900	164 ± 4%	104 ± 4%	1497@1000	290 ± 4%	97 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	**)Ref to 13-13	D13H	286@1900	164 ± 4%	104 ± 4%	1184@1000	232 ± 4%	77 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	***)Ref to 13-13	D13H	286@1900	164 ± 4%	104 ± 4%	1195@1000	233 ± 4%	78 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	13-14, 13-26	D13H	331@1900	186 ± 4%	118 ± 4%	1646@1100	313 ± 4%	115 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	**)Ref to 13-14	D13H	331@1900	186 ± 4%	118 ± 4%	1305@1100	250 ± 4%	92 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	***)Ref to 13-14	D13H	331@1900	186 ± 4%	118 ± 4%	1335@1100	256 ± 4%	94 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	13-15, 13-27	D13H	382@1900	211 ± 4%	134 ± 4%	1646@1100	313 ± 4%	115 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	**)Ref to 13-15	D13H	354@1900	198 ± 4%	125 ± 4%	1646@1100	314 ± 4%	115 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	***)Ref to 13-15	D13H	354@1900	198 ± 4%	125 ± 4%	1350@1100	258 ± 4%	95 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF
CVSXL12.8T4I	****)Ref to 13-15	D13H	354@1900	198 ± 4%	125 ± 4%	1401@1100	268 ± 4%	98 ± 4%	EM,ECM,TC,CAC,EGR,SPL,DPF

*) Test engine

**) MultiTorque Curve Level 1

***)MultiTorque Curve Level 2

****)MultiTorque Curve Level 3

ATTACHMENTA-6

SKIDSTEER 1

CARB EXECUTIVE ORDER

U-R-025-0311

California Environmental Protection Agency AIR RESOURCES BOARD	KUBOTA CORPORATION	EXECUTIVE ORDER U-R-025-0311 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2007	7KBXL03.8AAD	3.769	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger	Telescopic Material Handler and Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
37 ≤ kW < 75	Tier 2	STD	N/A	N/A	7.5	5.0	0.40	20	15	50
		CERT	--	--	6.4	1.6	0.35	6	3	13

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 20 day of December 2006.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: **KUBOTA Corporation**
Engine category: **Nonroad CI**
EPA Engine Family: **7KBXL03.8AAD**
Mfr Family Name: **N/A**
Process Code: **Running Change**

EO#U-R-025-6311

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
V3800-DI-T-ES01	V3800-DI-T-ES	97.6@2600	65.0	37.8	247.2@1500	72.5	24.3	EM
V3800-DI-T-ES02	V3800-DI-T-ES	97.6@2600	65.0	37.8	239.7@1500	70.5	23.6	EM
V3800-DI-T-ES03	V3800-DI-T-ES	94.7@2400	66.3	35.6	239.7@1500	70.5	23.6	EM
V3800-DI-T-ES04	V3800-DI-T-ES	90.8@2200	66.7	32.8	239.7@1500	70.5	23.6	EM
V3800-DI-T-ES05	V3800-DI-T-ES	82.7@2100	64.7	30.4	239.7@1500	72.2	24.2	EM
V3800-DI-T-ES06	V3800-DI-T-ES	98.7@2600	66.5	38.7	238.4@1500	70.5	23.6	EM
V3800-DI-T-ES07	V3800-DI-T-ES	85.0@2400	60.7	32.6	228.6@1700	68.0	25.8	EM
V3800-DI-T-ES08	V3800-DI-T-ES	88.6@2600	60.0	34.9	213.4@1500	63.0	21.1	EM
V3800-DI-T-ES09	V3800-DI-T-ES	92.0@2400	65.2	35.0	232.3@1600	70.4	25.2	EM
V3800-DI-T-ES10	V3800-DI-T-ES	82.6@2200	61.6	30.3	228.6@1500	70.2	23.5	EM

ATTACHMENT A-7

SKIDSTEER 2

CARB EXECUTIVE ORDER

U-R-025-0456

California Environmental Protection Agency AIR RESOURCES BOARD	KUBOTA Corporation	EXECUTIVE ORDER U-R-025-0456 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2010	AKBXL03.8AAD	3.769	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Mechanical Direct Injection, Turbocharger, Electronic Control Module (Some Model), Exhaust Gas Recirculation	Tractor, Compressor, Generator Set, Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
56 ≤ kW < 75	Tier 3	STD	N/A	N/A	4.7	5.0	0.40	20	15	50
		CERT	--	--	4.2	0.9	0.32	10	3	20

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 22 ND day of December 2009.

M. Tuarte FOR A6M

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: **KUBOTA Corporation**
Engine category: **Nonroad CI**
EPA Engine Family: **AKBXL03.8AAD**
Mfr Family Name: **N/A**
Process Code: **New Submission**

Attachment

U-R-025-0456

12/15/2009

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
V3800-DI-T-ET01	V3800-DI-T-ET	99.2@2600	67.0	38.9	261.8@1400	80.0	25.0	TC EM,EGR
V3800-DI-T-ET02	V3800-DI-T-ET	99.2@2600	67.0	38.9	239.7@1600	73.0	26.1	EM,EGR
V3800-DI-T-ET03	V3800-DI-T-ET	98.7@2600	67.5	39.2	238.2@1600	73.0	26.1	EM,EGR
V3800-DI-T-ET04	V3800-DI-T-ET	88.6@2600	60.5	35.2	213.2@1600	66.5	23.8	EM,EGR
V3800-DI-T-ET05	V3800-DI-T-ET	92.0@2400	66.0	35.4	232.3@1600	72.0	25.8	EM,EGR
V3800-DI-T-ET05e	V3800-DI-T-ET	92.0@2400	66.0	35.4	232.3@1600	72.0	25.8	EM,Electronic, EGR
V3800-DI-T-ET06	V3800-DI-T-ET	85.0@2400	59.0	31.7	228.6@1600	70.0	25.0	EM,EGR
V3800-DI-T-ET07	V3800-DI-T-ET	81.0@2400	57.0	30.6	217.6@1600	67.0	24.0	EM,EGR
V3800-DI-T-ET08	V3800-DI-T-ET	75.0@2400	54.0	29.0	202.1@1600	64.0	22.9	EM,EGR
V3800-DI-T-ET09	V3800-DI-T-ET	82.6@2200	61.0	30.0	228.6@1600	71.0	25.4	EM,EGR
V3800-DI-T-ET10	V3800-DI-T-ET	89.4@2600	61.5	35.7	216.1@1600	67.5	24.1	EM,EGR
V3800-DI-T-ET11	V3800-DI-T-ET	90.0@2400	65.0	34.9	228.6@1600	70.0	25.0	EM,EGR

Mechanical DI

ATTACHMENT A-8

COMPACTOR 1

CARB EXECUTIVE ORDER

U-R-022-0214

CALIFORNIA AIR RESOURCES BOARD	PERKINS ENGINES COMPANY LTD.	EXECUTIVE ORDER U-R-022-0214 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in California Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2018	JPKXL04.4MU1	4.4	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst	Crane, Loaders, Tractor, Dozer, Pump, Compressor, Generator Set

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW < 130	Tier 4 Final	STD	0.19	0.40	N/A	5.0	0.02	N/A	N/A	N/A
		CERT	0.01	0.28	--	0.03	0.02	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 27 day of December 2017.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

ATTACHMENT 1 OF 2
DATE: 11/03/2017
EO #: U-R-022-014

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
JPKXL04.4MU1	Cert Test 1	4068/2200	174@2200	133	64	553@1400	162	50	DDI TAA ECM DOC EGR SCR AMOX EPR
JPKXL04.4MU1	1	4068/2200	174@2200	133	64	553@1400	162	50	DDI TAA ECM DOC EGR SCR AMOX EPR
JPKXL04.4MU1	2	4070/2200	157@2200	125	60	504@1400	148	45	DDI TAA ECM DOC EGR SCR AMOX EPR
JPKXL04.4MU1	3	4186/2200	150@2200	119	57	479@1400	139	43	DDI TAA ECM DOC EGR SCR AMOX EPR
JPKXL04.4MU1	4	3992/2200	141@2200	116	56	465@1400	136	42	DDI TAA ECM DOC EGR SCR AMOX EPR

ATTACHMENT 2 OF 2
DATE: 11/03/2017
EO #: U-R-022-0214

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
JPKXL04.4MU1	Cert Test 5	4526/1800	173@1800	154	61	505@1800	154	61	DDI TAA ECM DOC EGR SCR AMOX EPR
JPKXL04.4MU1	5	4526/1800	173@1800	154	61	505@1800	154	61	DDI TAA ECM DOC EGR SCR AMOX EPR

TAA = TC + CAC

ATTACHMENT A-9

LOADER 1

CARB EXECUTIVE ORDER

U-R-001-0550

California Environmental Protection Agency Air Resources Board	CATERPILLAR INC.	EXECUTIVE ORDER U-R-001-0550 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2018	JCPXL7.01HPF	7.01	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Diesel Oxidation Catalyst, Engine Control Module, Exhaust Gas Recirculation, Periodic Trap Oxidizer	Generator, Motorgrader, Feller Buncher

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final/ALT 5% NOx	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		FEL	N/A	2.00	–	N/A	N/A	N/A	N/A	N/A
		CERT	0.03	1.83	–	0.2	0.004	–	–	–

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 20TH day of September 2017.

M. Evans

FOR Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

ATTACHMENT 1 OF 1

Engine Model Summary Template

U-R-001-0550
8/29/2017

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate mm/stroke @ peak HP (for diesel only)	5.Fuel Rate (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
JCPXL7.01HPF	Cert Test 1	C7.1	302@2200	170	123	940@1400	198	91	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	Cert Test 2	C7.1	321@1800	195	118	NA	NA	NA	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	4462/1800	C7.1	247@1800	143	87	NA	NA	NA	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	4468/2100	C7.1	212@2100	118	83	763@1200	159	64	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	4472/2100	C7.1	192@2100	113	80	707@1000	150	51	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	4476/2100	C7.1	185@1800	115	70	627@1000	128	43	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	4478/1800	C7.1	204@1800	123	75	687@1000	142	48	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	4480/1800	C7.1	241@1800	144	87	791@1400	163	77	DDI TC CAC ECM DOC PTOX EGR
JCPXL7.01HPF	4464/1800	C7.1	321@1800	195	118	NA	NA	NA	DDI TC CAC ECM DOC PTOX EGR

ATTACHMENT A-10

CRANE 1

CARB EXECUTIVE ORDER

U-R-002-0671

California Environmental Protection Agency Air Resources Board	CUMMINS INC.	EXECUTIVE ORDER U-R-002-0671 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2018	JCEXL08.9AAN	8.9	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Periodic Trap Oxidizer, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst	Crane, Loader, Tractor, Dozer, Pump, Compressor, and Generator Set

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.01	0.19	--	0.00	0.004	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 29th day of September 2017.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

Engine Model Summary Template

U-R-002-0671 Attachment #5 1/1 8/28/2017

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
JCEXL08.9AAN	4807:FR95299	QSL8.9	380@2100	217	137	1200@1573	230	115	DDI,ECM,TC, CAC, EGR , DOC, DPF
JCEXL08.9AAN	4807:FR95300	QSL8.9	350@2100	206	130	1200@1500	230	115	DDI,ECM,TC, CAC, EGR , DOC, DPF
JCEXL08.9AAN	4807:FR95301	QSL8.9	333@2100	178	119	1050@1500	199	99	DDI,ECM,TC, CAC, EGR , DOC, DPF

+PTox SCR Amox

APPENDIX B PHASE I ENVIRONMENTAL SITE ASSESSMENT W/O APPENDICES

PHASE I ENVIRONMENTAL SITE ASSESSMENT
OF

INLAND EMPIRE ENERGY CENTER, LLC
26226 ANTELOPE ROAD
MENIFEE, CALIFORNIA 92585

ATC PROJECT NO. NPGEP19001

MAY 31, 2019

Prepared by:

ATC Group Services LLC
25 Cupania Circle
Monterey Park, California 91755
Phone: 323-517-9780
Fax: 737-207-8260

Prepared for:

Mr. Mark Mellana, Managing Director
GE Power
901 Main Avenue
Norwalk, Connecticut 06851

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY....1
1.1 General Information....1
1.2 Findings and Conclusions Summary....2
1.3 Significant Data Gap Summary....3
1.4 Recommendations....3

2.0 INTRODUCTION....4
2.1 Purpose....4
2.2 Scope....4
2.3 Significant Assumptions....5
2.4 Limitations and Exceptions....5
2.5 Special Terms and Conditions (User Reliance)....7

3.0 SITE DESCRIPTION....8
3.1 Location and Legal Description....8
3.2 Surrounding Area General Characteristics....8
3.3 Current Use of the Property....8
3.4 Description of Property Improvements....8
3.5 Current Uses of Adjoining Properties....9

4.0 USER PROVIDED INFORMATION....10
4.1 Title Records....10
4.2 Environmental Liens or Activity and Use Limitations (AULs)....10
4.3 Specialized Knowledge or Experience of the User....10
4.4 Significant Valuation Reduction for Environmental Issues....10
4.5 Owner, Property Manager, and Occupant Information....10
4.6 Reason For Performing Phase I ESA....10
4.7 Other User Provided Documents....10

5.0 RECORDS REVIEW....11
5.1 Standard Environmental Records....11
5.1.1 Federal Database Findings....13
5.1.2 State and Tribal Database Findings....14
5.1.3 Local Environmental Record Sources....15
5.2 Physical Setting Sources....16
5.2.1 Topography....16
5.2.2 Geology....16
5.2.3 Soils....16
5.2.4 Hydrology....16
5.2.5 Other Physical Setting Sources....17
5.3 Historical Records Sources....17
5.3.1 Aerial Photographs....18
5.3.2 Fire Insurance Maps....20
5.3.3 Property Tax Files....20
5.3.4 Recorded Land Title Records....20
5.3.5 Historical USGS Topographic Maps....20
5.3.6 City Directories....20
5.3.7 Building Department Records....21
5.3.8 Zoning/Land Use Records....21

TABLE OF CONTENTS

5.3.9 Prior Reports..... 21
5.3.10 Other Historical Sources..... 22

6.0 SITE RECONNAISSANCE..... 23
6.1 Methodology and Limiting Conditions..... 23
6.2 Hazardous Substance Use, Storage, and Disposal..... 23
6.3 Underground Storage Tanks..... 24
6.4 Aboveground Storage Tanks..... 24
6.5 Other Petroleum Products..... 25
6.6 Polychlorinated Biphenyls (PCBs)..... 25
6.7 Unidentified Substance Containers..... 25
6.8 Nonhazardous Solid Waste..... 25
6.9 Wastewater..... 25
6.10 Waste Pits, Ponds and Lagoons..... 25
6.11 Drains and Sumps..... 25
6.12 Septic Systems..... 26
6.13 Stormwater Management System..... 26
6.14 Wells..... 26

7.0 SUBSURFACE VAPOR MIGRATION..... 27

8.0 INTERVIEWS..... 28

9.0 OTHER ENVIRONMENTAL CONDITIONS..... 29
9.1 Asbestos-Containing Material (ACM)..... 29
9.2 Radon..... 29
9.3 Lead in Drinking Water..... 29
9.4 Lead-Based Paint (LBP)..... 29
9.5 Mold Screening..... 29
9.6 Additional User Requested Services..... 30

10.0 REFERENCES..... 31

11.0 TERMINOLOGY..... 33

Appendix A Site Vicinity Map
Appendix B Site Plan
Appendix C Site Photographs
Appendix D User Provided Documentation
Appendix E Regulatory Database Report
Appendix F Aerial Photographs
Appendix G Historical Research Documentation
Appendix H Prior Reports
Appendix I Resumes
Appendix J Records of Communication
Appendix K Laboratory Reports
Appendix L Other Supporting Documentation

1.0 EXECUTIVE SUMMARY

1.1 General Information

Project Information:
Inland Empire Energy Center, LLC
NPGEP19001

Consultant Information:
ATC Group Services LLC
25 Cupania Circle
Monterey Park, California 91755
Phone: 323-517-9780
Fax: 737-207-8260
Inspection Date: May 9, 2019
Report Date: 05/31/2019

Site Information:
Inland Empire Energy Center, LLC
26226 Antelope Road
Menifee, California 92585
County: Riverside
Latitude, Longitude: 33.738988, -117.169876
Site Access Contact: Mr. Ben Kling with GE Power

Client Information:
GE Power
Mr. Mark Mellana, Managing Director
901 Main Avenue
Norwalk, Connecticut 06851

Site Assessor

Steve Anderson
Senior Scientist

Project Manager

Gwen C. Reed
Program Manager

Environmental Professional Statement:

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 part of 40 CFR 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the 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.

Steve Anderson - Senior Scientist

1.2 Findings and Conclusions Summary

ATC Group Services LLC (ATC) has performed a Phase I Environmental Site Assessment (ESA) of the property in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Standard Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property. The table below provides a summary of report findings and conclusions.

Report Section		Further Action?	De minimis Condition	REC and/or CREC	Historical REC	ASTM Non - Scope Condition	Description
4.0	**User Provided Information**	No					
5.1.1	**Federal Database Findings**	No					
5.1.2	**State and Tribal Database Findings**	No					
5.1.3	**Local Environmental Record Sources**	No					
5.3	**Historical Records Sources**	No					See note 1
6.2	**Hazardous Substance Use, Storage, and Disposal**	No					
6.3	**Underground Storage Tanks**	No					
6.4	**Aboveground Storage Tanks**	No					See note 2
6.5	**Other Petroleum Products**	No					
6.6	**Polychlorinated Biphenyls (PCBs)**	No					
6.7	**Unidentified Substance Containers**	No					
6.8	**Nonhazardous Solid Waste**	No					
6.9	**Wastewater**	No					
6.10	**Waste Pits, Ponds and Lagoons**	No					
6.11	**Drains and Sumps**	No					
6.12	**Septic Systems**	No					
6.13	**Stormwater Management System**	No					
6.14	**Wells**	No					
7.0	**Subsurface Vapor Migration**	No					
8.0	**Interviews**	No					
9.1	**Asbestos-Containing Material (ACM)**	No					
9.2	**Radon**	No					
9.3	**Lead in Drinking Water**	No					
9.4	**Lead-Based Paint (LBP)**	No				X	See note 3
9.5	**Mold Screening**	No					
9.6	**Additional User Requested Services**	No					

Note 1: Due to the presence of former agricultural activity on the property between at least 1938 and 2002, it is possible that environmentally persistent pesticides and herbicides may have been used on the property in the past. A 2005 Baseline investigation by URS (see Section 5.3.9) included surface and subsurface sampling for pesticides and herbicides in which low concentrations of various pesticide and herbicide compounds were identified at concentrations well below Environmental Protection Agency (EPA) and

California Department of Toxic Substances Control (DTSC) screening levels in use at that time. The amount of mixing, grading and cut and fill operations necessary to prepare the property for development has likely altered and diluted agricultural chemicals further in the developed portions of the property. Accordingly, the former use of pesticides and herbicides on the property is not considered to represent a *recognized environmental condition* at this time. However, it is possible that additional sampling for pesticides and herbicides may be required prior to any redevelopment of the property following decommissioning.

Note 2: Numerous aboveground storage tanks (ASTs) are present at the property. These range in size from a 2,100,000-gallon process water tank to 240-gallon ASTs for waste oil and sodium chloride. Most ASTs appear to be stored within secondary containment. No indications of releases were identified near the ASTs observed on-site.

Note 3: Based on the age of the property improvements (post 2006), it is unlikely that lead-based paint (LBP) has been used in the offices and other commonly occupied areas; however, in industrial settings, painted equipment such as ASTs, piping, and fire pump equipment, may represent an exception and have elevated levels of lead. As the areas with painted equipment, such as the Water Treatment Building and fire pump room, are not slated for demolition, testing for lead is not recommended at this time. Nonetheless, lead-safe practices should be practiced when conducting any work that might disturb painted surfaces. Lead-based paint lies outside of the scope of ASTM and is therefore not considered to represent a *recognized environmental condition*. All painted surfaces at the property appeared to be in good condition.

1.3 Significant Data Gap Summary

Data gaps may have been encountered during the performance of this Phase I ESA and are discussed within the section of the report where they were encountered. However, according to ASTM Standard Practice E1527-13, data gaps are only significant if "other information and/or professional experience raises reasonable concerns involving the data gap." The following table is a summary of significant data gaps identified in this report.

SIGNIFICANT DATA GAP SUMMARY	
Report Section	**Description**
3.5 Current Uses of Adjoining Properties	No significant data gaps identified.
4.2 Environmental Liens or Activity and Use Limitations (AULs)	No significant data gaps identified.
5.1 Standard Environmental Records	No significant data gaps identified.
5.2 Physical Setting Sources	No significant data gaps identified.
5.3 Historical Records Sources	No significant data gaps identified.
6.1 Methodology and Limiting Conditions	No significant data gaps identified.
7.0 Subsurface Vapor Migration	No significant data gaps identified.
8.0 Interviews	No significant data gaps identified.

1.4 Recommendations

Based on information collected for this Phase I ESA, ATC offers no recommendations for further action at this time.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I ESA was to identify *recognized environmental conditions* in connection with the property at the time of the site reconnaissance. The scope of work for this Phase I ESA may also include certain potential environmental conditions beyond the scope of ASTM Standard Practice E1527-13 as listed below. This report documents the findings, opinions and conclusions of the Phase I ESA.

2.2 Scope

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice E1527-13, consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to ASTM Standard Practice E1527-13 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the property through a review of referenced sources such as topographic maps and geologic, soils and hydrologic reports.

- Usage of the property, adjoining properties and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports and interviews.

- Observations and interviews regarding current property usage and condition including: the use, treatment, storage, disposal or generation of hazardous substances, petroleum products, hazardous wastes, nonhazardous solid wastes and wastewater.

- Usage of adjoining and surrounding area properties and the likely impact of known or suspected releases of hazardous substances or petroleum products from those properties in, on, or at the property.

- Information in referenced environmental agency databases and local environmental records, within the specified approximate minimum search distance from the property.

- Potential for subsurface vapor migration in, on or at the property as described in Section 7.0.

The scope of the assessment also included consideration of the following potential environmental issues or conditions that are beyond the scope of ASTM Standard Practice E1527-13:

- Visual observation of suspect asbestos-containing materials (ACM), consisting of providing an opinion on the condition of suspect ACM on the property based upon visual observation during the site reconnaissance. No sampling of suspect ACM was conducted.

- Radon document review, consisting of the review of published radon data with regard to the potential for elevated levels of radon gas in the surrounding area of the property. No radon sampling was conducted.

- Lead in drinking water data review, consisting of contacting the water supplier for information regarding whether or not the potable water provided to the property meets the drinking water standards for lead.

- Visual observation of suspect lead-based paint (LBP), consisting of providing an opinion on the potential for LBP based on the construction date of buildings on the property and visual observation of the condition of suspect LBP.

- Wetlands document review, consisting of a review of a current National Wetlands Inventory map of the surrounding area to note if the property is identified on the map as having a wetland.

- Flood plain document review, consisting of a review of a reasonably ascertainable flood plain map of the surrounding area to note if the property is identified on the map as being located within a flood plain.

- Regulatory Agency File and Records Review, consisting of conducting a file review (i.e., via Freedom of Information Act (FOIA) request or alternative method/source) for the property and/or one adjoining property at one regulatory agency, as warranted by the findings of the ESA. If ATC determines that additional Regulatory Agency File and Records Reviews are warranted, ATC will advise Client and seek written authorization for the additional services and fees.

- Mold screening consisting of visual observation of certain heating, ventilation and air conditioning (HVAC) system areas and other readily accessible building areas likely to become subject to water damage, plumbing leaks, and flooding. The mold screening did not include destructive methods of observation. No sampling or laboratory analyses were conducted. The mold screening service as described herein was limited in scope and by the time and cost considerations typically associated with performing a Phase I ESA. No method can guarantee that a hazard will be discovered if evidence of the hazard is not encountered within the performance of the mold screening as authorized and that opinions and conclusions must, out of necessity, be extrapolated from limited information and discrete, non-continuous data points. Unidentified mold or other microbial conditions may exist on the property.

2.3 Significant Assumptions

The assumptions in this report were not considered as having a significant impact on the determination of *recognized environmental conditions* associated with the property.

2.4 Limitations and Exceptions

ATC has prepared this Phase I ESA report using reasonable efforts to identify *recognized environmental conditions* associated with hazardous substances or petroleum products in, on, or at the property. Findings contained within this report are based on information collected from observations made on the day(s) of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The ASTM Standard Practice E 1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- *Uncertainty Not Eliminated:* a Phase I ESA cannot wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a property.

- *Not Exhaustive:* a Phase I ESA is not an exhaustive assessment of the environmental conditions on a property.

- *Past Uses of the Property:* a Phase I ESA does not require review of standard historical sources at less than five year intervals. Therefore, past uses of the property may not be discovered.

Users of this report may refer to ASTM Standard Practice E 1527-13 for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.

ATC makes no representation or warranty that the past or current operations at the property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions

present of a type or at a location not investigated. Regardless of the findings stated in this report, ATC is not responsible for consequences or conditions arising from facts not fully disclosed to ATC during the assessment.

An independent data research company provided the government agency databases referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by ATC's observations or other credible referenced sources reviewed during the assessment. ATC shall not be liable for the database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain to produce accurate or complete records.

ATC makes no warranty, guarantee or certification regarding the quality, accuracy or reliability of any prior report provided to ATC and discussed in this Phase I ESA report. ATC expressly disclaims any and all liability for any errors or omissions contained in any prior reports provided to ATC and discussed in this Phase I ESA report.

ATC used reasonable efforts to identify evidence of aboveground and underground storage tanks and ancillary equipment on the property during the assessment. "Reasonable efforts" were limited to observation of accessible areas, review of referenced public records and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, snow cover, paving, construction activities, stored materials and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions and conclusions of this assessment which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to FASB Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of ATC.

ATC is not a professional title insurance or land surveyor firm and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

The Environmental Professional Statement in Section 1.1 of this report does not "certify" the findings contained in this report and is not a legal opinion of such *Environmental Professional*. The statement is meant to document ATC's opinion that an individual meeting the qualifications of an *Environmental Professional* was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the *Environmental Professional* were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in ASTM Standard Practice E 1527-13 and the scope of work for this assessment.

Per ASTM Standard Practice E 1527-13, Section 6, User Responsibilities, the User of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of *recognized environmental conditions* in connection with the property. Failure by the User to fully comply with the requirements may impact their ability to use this report to help qualify for *Landowner Liability Protections* (LLPs) under CERCLA. ATC makes no representations or warranties regarding a User's qualification for liability protection under any federal, state or local laws or regulations.

In accordance with the ASTM Standard Practice E 1527-13, this report is presumed to be valid for a six month period. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge, and (5) environmental liens. Reports older than one year may not meet ASTM Standard Practice E 1527-13 and therefore, the report must be updated to reflect current conditions and property-specific information.

Other limitations and exceptions that are specific to the scope of this report may be found in corresponding sections.

2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by, GE Power, Inland Empire Energy Center, LLC, and any of its affiliates and their respective successors and assigns, in connection with a commercial real estate transaction involving the property. No third party is authorized to use this report for any purpose. Any use by or distribution of this report to third parties, without the express written consent of ATC, is at the sole risk and expense of such third party.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The property consists of an irregularly-shaped parcel, approximately 43.14 acres in area, located at 26226 Antelope Road, Menifee, California. A legal description was not provided to ATC; however, based on information contained on the Assessor's parcel map, the property appears to consist of lots 742, 743, 744, 745, 746, 749, 750, 751, 752, and 753 of the Romola Farms 6A, tract as recorded in Book 14, Pages 63-65, in the office of the county recorder of Riverside County, California, Excepting therefrom, the south 95 feet of Lots 746 and 749, and the south 132 feet of Lot 753. The Assessor's Parcel Number for the property is 331-180-022.

3.2 Surrounding Area General Characteristics

The surrounding area is generally level and developed with a mixture of vacant land, commercial and industrial uses. The specific adjacent property uses are discussed in Section 3.5.

3.3 Current Use of the Property

The property is developed with a power generation plant and associated buildings, sheds, equipment, and internal roadways and parking areas.

3.4 Description of Property Improvements

The following table provides general descriptions of property improvements.

PROPERTY IMPROVEMENTS	
Size of Property (approximate)	43.14 acres (per Assessor)
General Topography of Property	Generally level
Adjoining and/or Access/Egress Roads	Antelope Road to the west and an unpaved road to the east and northeast.
Paved or Concrete Areas (including parking)	Gravel-paved yard over most of the developed area. Asphalt-paved parking and selected drive areas. Concrete-paved pads and foundations locally.
Unimproved Areas	Unpaved areas around the perimeter, north of the main plant area, water retention basins, and selected drive areas.
Landscaped Areas	Lawn, shrubbery and trees located around the perimeter, lining the entrance roadway, parking lots, and near the administration building.
Surface Water	None apart from intermittent quantities in the water retention basins.
Potable Water Source	Eastern Municipal Water District
Sanitary Sewer Utility	Eastern Municipal Water District
Storm Sewer Utility	City of Menifee
Electrical Utility	Southern California Edison (SCE)
Natural Gas Utility	Southern California Gas
Current Occupancy Status	100% occupied
Unoccupied Buildings/Spaces/Structures	There are undeveloped areas at the northern end of the property, but all are under the control of one occupant.
Number of Occupied Buildings	Three principal buildings with numerous pieces of equipment and smaller structures.
Building Name or General Building Description	Inland Empire Energy Center (power plant)
Number of Floors	Administration Building: two; Water Treatment Building and Warehouse: one
Total Square Feet of Space (approximate)	Administration Building: 20,520 (estimated); Water Treatment Building: 10,920 (per IEEC); North Warehouse: 11,250 (per IEEC)
Construction Completion Date (year)	Northern warehouse: Between 2005 and 2006; Remaining structures: Between 2006 and 2009
Construction Type	Metal

Interior Finishes Description	Administration Building: Walls: wallboard/joint compound or ceramic tile; Floors: carpeting, ceramic tile, resilient floor tile, and unfinished concrete; Ceilings: wallboard/joint compound or acoustical ceiling panels; Water Treatment Building: Walls: wallboard/joint compound or metal; Floors: resilient floor tile or unfinished concrete; Ceilings: wallboard/joint compound or exposed metal beams with insulating pads; Warehouse: metal walls and ceilings with an unfinished concrete floor.
Exterior Finishes Description	Painted metal
Cooling System Type	Roof-mounted electric package units
Heating System Type	Roof-mounted electric package units
Emergency Power	Two diesel-fueled emergency generators (with internal fuel tanks) located at the western ends of Power Generation Units 1 and 2.

3.5 Current Uses of Adjoining Properties

Current uses of the adjoining properties were observed to be as described in the following table.

CURRENT USES OF ADJOINING PROPERTIES				
Direction From Property	**Address**	**Occupant(s) Name**	**Current Use**	**Potential Environmental Conditions**
Northwest, beyond Antelope Road	None	No signage	Gravel-paved lot	None
North	26100 Antelope Road	Redi-Mix Concrete / Holiday Trucking	Commercial/ Industrial	This facility is listed as an aboveground storage tank (AST) facility and is registered on the California Environmental Reporting System (CERS).
North, beyond a railroad right -of-way and Matthews Road	28261 State Highway 74	Datatronics	Industrial	This site is listed as a Resource Conservation and Recovery Act (RCRA) Large-Quantity Generator and is registered on CERS.
Northeast, beyond a railroad right -of-way and Matthews Road	28261 State Highway 74	Ahern Equipment Rentals	Commercial/ Industrial	This site is listed under current and former tenants as a RCRA Small-Quantity Generator, RCRA Non-Generator, an AST facility, and is registered on CERS.
East	None	Vacant	Unimproved	None
South, beyond a stormwater channel	None	Vacant / SCE	High voltage tower right-of-way	None
Southwest, beyond a stormwater channel and Antelope Road	None	Vacant	Unimproved	None
West, beyond Antelope Road	26311 Antelope Road	RV Storage of Murrieta Valley	Commercial	None
West, beyond Antelope Road	None	Vacant (three lots)	Unimproved	None
West, beyond Antelope Road	None	No signage (equipment yard)	Commercial/ Industrial	This address is listed as a RCRA Non-Generator.

4.0 USER PROVIDED INFORMATION

The following section summarizes information (if any) provided by GE Power and Inland Empire Energy Center, LLC (User) with regard to the Phase I ESA. Documentation may be found in Appendix D or where referenced in this report.

4.1 Title Records

The User provided no title records information.

4.2 Environmental Liens or Activity and Use Limitations (AULs)

The User provided no information regarding property environmental liens or activity and use limitations (AULs). ATC contracted Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut, to perform an environmental lien search for the property. According to EDR, no environmental liens or AULs (such as engineering controls, land use restrictions or institutional controls) were identified for the property. A copy of the report is included in Appendix L. The review of the environmental lien and AUL search did not identify past uses indicating *recognized environmental conditions* in connection with the property.

4.3 Specialized Knowledge or Experience of the User

The User provided no information regarding *recognized environmental conditions* at the property.

4.4 Significant Valuation Reduction for Environmental Issues

The User provided no information regarding a significant valuation reduction for environmental issues associated with the property.

4.5 Owner, Property Manager, and Occupant Information

The User identified the owner as the Inland Empire Energy Center, LLC, which is also the occupant. The User did not identify a specific property Manager; however, the User identified Mr. Ben Kling with GE Power as the site contact.

4.6 Reason For Performing Phase I ESA

The User indicated that this ESA was being performed in connection with a decomissioning of the property facility.

4.7 Other User Provided Documents

Per the ASTM Standard Practice E 1527-13, ATC obtained the documents listed below from the User. Further discussion may be found in Section 5.3.9 and other relevant sections of this report.

OTHER USER PROVIDED DOCUMENTS		
Title	**Date (if known)**	**Author and/or Source (if known)**
Phase I Environmental Site Assessment, Inland Empire Energy Center, 26226 Antelope Road, Romoland, California	May 14, 2001	Foster Wheeler Environmental Corporation
Final Amended Geotechnical Report, Inland Empire Energy Center, Romoland, California	April 2005	GZA GeoEnvironmental, Inc.
Phase II Baseline Investigation, GE Energy, GE Inland Empire Energy Center, 26226 Antelope Road, Romoland, California	May 5, 2005	URS Corporation

5.0 RECORDS REVIEW

5.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by EDR of Shelton, Connecticut, was reviewed for information regarding reported use or release of hazardous substances and petroleum products on or near the property. Unless otherwise noted, the information provided by the regulatory agency database report and other sources referenced in this report, were considered sufficient for *recognized environmental condition (REC)*, *controlled recognized environmental condition (CREC)*, *historical recognized environmental condition (HREC)* or *de minimis condition* determinations without conducting supplemental agency file reviews. ATC also reviewed the "unmappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that could not be plotted with confidence, but are potentially in the general area of the property, based on the partial street address, city, or zip code. Any unmappable site that was identified by ATC as being within the approximate minimum search distance from the property, based on the site reconnaissance and/or cross-referencing to mapped listings, is included in the discussion within this section. The complete regulatory agency database report may be found in Appendix E.

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS								
Regulatory Database	**Target Property**	**Search Distance (Miles)**	**< 1/8**	**1/8 - 1/4**	**1/4 - 1/2**	**1/2 - 1**	**> 1**	**Total Plotted**
National Priority List (NPL)		1	0	0	0	0	NR	0
Superfund Enterprise Management System (SEMS)		0.5	0	0	0	NR	NR	0
Superfund Enterprise Management System Archive (SEMS-ARCHIVE)		0.5	0	0	0	NR	NR	0
Corrective Action Report (CORRACTS)		1	0	0	0	0	NR	0
RCRA - Treatment, Storage and Disposal (RCRA-TSDF)		0.5	0	0	0	NR	NR	0
RCRA - Large Quantity Generators (RCRA-LQG)	X	0.25	1	0	NR	NR	NR	2
RCRA - Small Quantity Generators (RCRA-SQG)		0.25	1	2	NR	NR	NR	3
RCRA - Non Generators / No Longer Regulated (RCRA NonGen / NLR)		0.25	0	3	NR	NR	NR	3
Engineering Controls Sites List (US ENG CONTROLS)		0.5	0	0	0	NR	NR	0
Sites with Institutional Controls (US INST CONTROL)		0.5	0	0	0	NR	NR	0
Emergency Response Notification System (ERNS)		TP	NR	NR	NR	NR	NR	0
Facility Index System/Facility Registry System (FINDS)	X	TP	NR	NR	NR	NR	NR	6
Integrated Compliance Information System (ICIS)	X	TP	NR	NR	NR	NR	NR	1
Enforcement & Compliance History Information (ECHO)	X	TP	NR	NR	NR	NR	NR	1
State Response Sites (CA RESPONSE)		1	0	0	0	0	NR	0
EnviroStor Database (CA ENVIROSTOR)		1	0	1	0	1	NR	2
Leaking Underground Fuel Tank Report (GEOTRACKER) (CA LUST)		0.5	0	0	1	NR	NR	1

Regulatory Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Active UST Facilities (CA UST)		0.25	0	0	NR	NR	NR	0
Hazardous Substance Storage Container Database (CA HIST UST)		0.25	0	1	NR	NR	NR	1
SWEEPS UST Listing (CA SWEEPS UST)		0.25	0	1	NR	NR	NR	1
Facility Inventory Database (CA CA FID UST)		0.25	0	0	NR	NR	NR	0
Aboveground Petroleum Storage Tank Facilities (CA AST)	X	0.25	1	2	NR	NR	NR	4
Statewide SLIC Cases (GEOTRACKER) (CA CPS-SLIC)		0.5	0	0	0	NR	NR	0
Solid Waste Information System (CA SWF/LF (SWIS))		0.5	0	0	2	NR	NR	2
Voluntary Cleanup Program Properties (CA VCP)		0.5	0	0	0	NR	NR	0
California Hazardous Material Incident Report System (CA CHMIRS)	X	TP	NR	NR	NR	NR	NR	4
NPDES Permits Listing (CA NPDES)	X	TP	NR	NR	NR	NR	NR	1
California Integrated Water Quality System (CA CIWQS)	X	TP	NR	NR	NR	NR	NR	2
CERS HAZ WASTE (CA CERS HAZ WASTE)	X	0.25	3	2	NR	NR	NR	6
CalEPA Regulated Site Portal Data (CA CERS)	X	TP	NR	NR	NR	NR	NR	2
California Environmental Reporting System (CERS) Tanks (CA CERS TANKS)	X	0.25	1	2	NR	NR	NR	4
Emissions Inventory Data (CA EMI)	X	TP	NR	NR	NR	NR	NR	1
Facility and Manifest Data (CA HAZNET)	X	TP	NR	NR	NR	NR	NR	8
EDR Exclusive Historical Cleaners (EDR Hist Cleaner)		0.125	0	NR	NR	NR	NR	0
EDR Exclusive Historical Auto Stations (EDR Hist Auto)		0.125	0	NR	NR	NR	NR	0
Risk Management Plans (RMP)	X	TP	NR	NR	NR	NR	NR	2
Leaking Underground Storage Tanks on Indian Land (INDIAN LUST R9)		0.5	0	0	0	NR	NR	0
Underground Storage Tanks on Indian Land (INDIAN UST R1)		0.25	0	0	NR	NR	NR	0
Voluntary Cleanup Priority Listing (INDIAN VCP R1)		0.5	0	0	0	NR	NR	0

5.1.1 Federal Database Findings

The property is listed on the following federal databases searched for this assessment:

Inland Empire Energy Center, GE Centerline Installation, The Conco Co., Total Western NA Inc., Industra Service Corp, TIC-The Industrial Co. at Inland Empire
26226 Antelope Road
Databases: RCRA Large-Quantity Generator (LQG), FINDS, ECHO, US AIRS
Approximate Distance from the Property: Not Applicable (N/A) (Property)
Assumed Groundwater Gradient: N/A
Regulatory Data Summary: The property is listed as a RCRA LQG. The wastes generated included aqueous solutions with less than 10% organic residue, off-specification, aged or surplus inorganics, oxygenated solvents, waste oil and mixed oil, unspecified oil-containing waste, other organic solids, liquids with pH less than 2 with metals, ignitable waste, corrosive waste, reactive waste, barium, chromium, lead, methyl ethyl ketone, tetrachloroethylene, trichloroethylene, spent non-halogenated solvents. No violations were identified. The facility is listed on the US AIRS list. US AIRS is an administrative database serving as a repository for information regarding airborne pollution. The entries for US AIRS listed by EDR provided no specific information regarding emissions at the property. The property is listed on the Enforcement Compliance History Online (ECHO). ATC reviewed information for the property on the ECHO website, https://ech.epa.gov, and determined that the property has had no violations for the past three years or enforcement actions for the last five years, the intervals tracked by the system. The property is listed in the Federal Index System (FINDS). FINDS is a research aid that lists other databases where information about a given site may be found. In this case, FINDS listed the RCRA, US AIRS, and several state databases that will be discussed in Section 5.1.2.
Discussion: Based on the absence of violations, the RCRA waste generation activities at the property are not considered to represent an environmental concern to the property. Based on their administrative nature, the FINDS, ECHO, and US AIRS databases are not considered to represent a concern to the property.

The following adjacent properties are listed on federal databases, identified as follows:

Datatronics
28151 Highway 74
Databases: RCRA LQG
Approximate Distance from the Property: Adjacent to the north, beyond a railroad track and Matthews Road
Assumed Groundwater Gradient: Cross- to downgradient
Regulatory Data Summary: This facility is a large-quantity generator of RCRA-managed waste. The wastes were identified by EDR as non-halogenated solvents, corrosive wastes, ignitable wastes, empty containers less than 30 gallons in size, unspecified organic liquid mixtures, and off-specification, aged, or surplus organics. There were no reported violations.
Discussion: Based on the absence of violations and the cross- to downgradient location, the presence of this RCRA LQG facility adjacent to the property is not considered to represent an environmental concern to the property.

Ahern Equipment Rentals / Matthews International Corp.
28261 Highway 74
Databases: RCRA Non-Generator / RCRA small-quantity generator
Approximate Distance from the Property: Adjacent to the northeast, beyond a railroad track and Matthews Road
Assumed Groundwater Gradient: Cross-gradient
Regulatory Data Summary: Ahern Equipment Rentals (Ahern) is a RCRA non-generator of RCRA-managed waste. Non-generators no longer generate RCRA waste. EDR did not report what types of waste were formerly generated. No violations were reported. The same address was once occupied by Matthews International Corp., a RCRA small-quantity generator. The types of waste generated were not reported by EDR; however, no violations were reported.
Discussion: Based on the absence of violations and the cross-gradient location, the presence of this RCRA small-quantity generator, is not considered to represent an environmental concern to the property.

Sahara Scaffold, Inc.
26245 Antelope Road
Databases: RCRA Non-Generator
Approximate Distance from the Property: Adjacent to the west, beyond Antelope Road
Assumed Groundwater Gradient: Cross- to downgradient
Regulatory Data Summary: This facility is listed as a RCRA non-generator. Non-generators no longer generate RCRA waste. EDR did not report what types of waste were formerly generated. No violations were reported.
Discussion: Based on the absence of violations and the cross- to downgradient location, the presence of this RCRA non-generator, is not considered to represent an environmental concern to the property.

Based on distance, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the remaining sites listed in the federal agency databases are considered to represent a likely past, present or material threat of release in, on, or at the property. Given the physical setting characteristics of the property and surrounding area supplemental agency file reviews were deemed unnecessary.

5.1.2 State and Tribal Database Findings

The property is listed on the following state and/or local databases searched for this assessment:

Inland Empire Energy Center, Bigge Crane, Brewer Crane, Marley Cooling Tower, Titan Contracting & Leasing Co.
26226 Antelope Road
Databases: CHMIRS, AST, HAZNET, NPDES, EMI, CERS, CIWQS, RMP
Approximate Distance from the Property: N/A (Property)
Assumed Groundwater Gradient: N/A
Regulatory Data Summary: The property is listed eight times on the California Hazardous Materials Incident Reporting System (CHMIRS) for spill incidents occurring between 2006 and 2011. Most were small (30 gallons or less) of hydraulic oil caused by broken equipment lines. The largest and most recent of the releases, was a 340-gallon release of aqueous ammonia in March of 2011 that resulted from a ruptured hose during a delivery. The release was reported as immediately contained and cleaned up. The facility is listed on the AST database. The number of ASTs, their contents, and or total capacity were not reported by EDR. The property and certain subcontractors were listed on the Facility and Manifest Data (HAZNET) database as having generated manifested wastes. A partial list of the wastes generated included off-specification, aged, or surplus organics, other organic solids, waste oil and mixed oil, hydrocarbon solvents, and unspecified oil containing waste. One presumed contractor associated with the property address, Titan Contracting and Leasing Co., is listed as having a National Pollutant Discharge Elimination System (NPDES) permit. EDR provided no additional details regarding this permit. The facility is listed on the Emissions Inventory (EMI) database. EMI tracks facilities whose air emissions reach certain thresholds. EDR provided emissions statements for the years 2006 through 2016. The property is also registered on the California Environmental Reporting System (CERS). CERS is a computerized platform for business to submit forms or required reports to agencies and that allows agencies to share that information. CERS is not accessible to the general public. EDR indicated that the property had several violations issued by the Riverside County Department of Environmental Health in October of 2014. These violations were generally for failure to provide certain types of information as required or take certain required steps per the Risk Management Plan. EDR noted that compliance was achieved the following month for all items. The property is listed on the California Integrated Water Quality System (CIWQS) as having been issued a construction related NPDES permit in June of 2005, which was terminated in August of 2005. No other details were available, but this coincides generally with early construction activity at the facility and is not considered to represent a concern. EDR also indicated that the facility is listed as having a Risk Management Plan (RMP), which is certified by the State of California.
Discussion: Based on the small-scale and or remediated nature, none of the eight CHMIRS releases are considered to represent an environmental concern to the property. During the site reconnaissance, ATC observed numerous ASTs in a variety of sizes and contents. None were observed to have associated releases. HAZNET does not track violators and the presence of a site on this database does not necessarily indicate that a problem exists at that facility. Based on the wastes reported, the HAZNET listings are not considered to represent a concern to the property. The presence of a facility on the EMI database does not

necessarily indicate that a problem exists at this facility. Accordingly, the EMI listing is not considered to represent an environmental concern to the property.

The following adjacent properties are listed on state databases, identified as follows:

Holiday Trucking
26100 Antelope Road #2
Databases: AST
Approximate Distance from the Property: Adjacent to the north
Assumed Groundwater Gradient: Cross- to downgradient
Regulatory Data Summary: This facility is listed as a registered AST site. No additional information was available regarding the number or contents of AST(s) at this facility.
Discussion: Based on the downgradient component of its location and the absence of this site from other databases that track releases, the presence of this facility on the AST database is not considered to represent an environmental concern to the property.

Ahern Rentals Inc.
28261 East Highway 74
Databases: AST
Approximate Distance from the Property: Adjacent to the northeast, beyond a railroad track and Matthews Road
Assumed Groundwater Gradient: Cross-gradient
Regulatory Data Summary: This facility is listed as a registered AST site. No additional information was available regarding the number or contents of AST(s) at this facility.
Discussion: Based on the cross-gradient location and the absence of this site from other databases that track releases, the presence of this facility on the AST database is not considered to represent an environmental concern to the property.

Based on distance, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the remaining sites listed in the state, tribal, or local agency databases are considered to represent a likely past, present or material threat of release in, on, or at the property. Given the physical setting characteristics of the property and surrounding area additional file reviews were deemed unnecessary.

5.1.3 Local Environmental Record Sources

Riverside County Department of Environmental Health (RCDEH)

Based on the assumption that the records made available to ATC by the User through an online data room would be representative of those on file with the RCDEH, together with the fact that significant releases were not reported at the property by EDR, a separate file search for RCDEH records of the property was not conducted by ATC.

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC)

According to the DTSC EnviroStor website, http://www.envirostor.dtsc.ca.gov/public, the DTSC has no files for the property.

Regional Water Quality Control Board (RWQCB)

According to the RWQCB GeoTracker website, http://geotracker.waterboards.ca.gov, no leaking underground storage tank (LUST) or Spills, Leaks, Investigations and Clean-Ups (SLIC) cases are located on the property.

South Coast Air Quality Management District (SCAQMD)

According to information contained on the SCAQMD website, http://www.aqmd.gov, the SCAQMD has a total of 67 entries for permitted equipment, rejected permit applications, Title V permit renewal applications, and changes of title, all from various years. The types of equipment listed included cooling towers, electric

generators, turbine engines utilizing other fuel, natural gas boilers, selective catalytic reduction, and tanks with other aqueous solutions.

The facility had six prior notices of violation, the most recent of which was dated October 2015 for inaccurate NOx emissions due to the calculation protocols not being accurately programed into the CEMS software. Compliance was achieved along with each of the earlier five violations. The review of information on the SCAQMD website did not reveal *recognized environmental conditions* at the property.

Department of Planning and Zoning

According to a zoning map posted to the City of Menifee website, https://www.cityofmenifee.us, the property is within the Menifee North Specific Plan.

5.2 Physical Setting Sources

5.2.1 Topography

According to the United States Geological Survey (USGS) 7.5-Minute Series Topographic Map of the *Romoland, California* Quadrangle, the pre-development elevation of the property ranged approximately between 1,439 and 1,448 feet above mean sea level. The area has a slope to the west-southwest. A copy of the topographic map is included in Appendix A.

5.2.2 Geology

The property is located in the Perris-South Subbasin of the San Jacinto Groundwater Basin and is situated on older alluvial fan deposits of middle to late Pleistocene age that were derived from erosion of the local highlands. The maximum depth of valley fill in the western San Jacinto Basin is approximately 900 feet. Six borings advanced on the property by URS in 2005 to depths between 70 and 80 feet below ground surface (bgs) classified the subsurface generally as alternating beds of silty sand, sand, and clayey silt. Generally the clay content increased with depth (USGS, 2003a; USGS, 2003b; California Geological Survey, 2006).

5.2.3 Soils

According to the United States Department of Agriculture (USDA) Soil Conservation Service publication *Soil Survey, Western Riverside Area, California*, 1971, the soil type most prevalent at the property is the Exeter Sandy Loam, 2-8 percent slopes, eroded. Exeter soils are over 60 inches deep, are well-drained, and have moderate subsoil permeability. In a typical profile, they have brown, slightly acidic sandy loam surface layers about 16 inches thick. The subsoil is brown, neutral to slightly alkaline, heavy (i.e., are dense and clay-rich) loam to a depth of approximately 37 inches where a silica-cemented hardpan layer is sometimes present to a depth of approximately 50 inches. Below this is a dark brown coarse sandy loam.

A 2005 Geotechnical report of the property prepared by GZA GeoEnvironmental, Inc. described the upper five feet of soil in several borings generally as light brown to brown, dense, fine to coarse sand with traces of silt.

5.2.4 Hydrology

According to a 2005 subsurface investigation of the property conducted by URS prior to development, the depth to groundwater as measured in six temporary monitoring wells evenly distributed over the property ranged from 65 to 72 feet below ground surface. The primary direction of groundwater flow was toward the northwest, with a secondary gradient across the southern half of the property to the south-southwest. A northwest gradient is consistent with a regional groundwater flow diagrams in an earlier study reviewed by ATC (USGS, 2003).

Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or watering operations.

5.2.5 Other Physical Setting Sources

Flood Plain Map

According to information provided by the Federal Emergency Management Agency (FEMA) website, https://msc.fema.gov/portal, an irregular area approximating the southern half of the property is located in flood zone X, or areas outside of 500-year flood risk. The approximate northern half of the property is in flood zone X (shaded), areas of 0.2% annual chance flood, areas of 1% annual chance flood with average depths of less than one foot or with drainage areas of less than one square mile, and areas protected by levees from 1% annual chance flood. The community/panel number for the Flood Insurance Rate Map for the property is 06037C 1700F and the effective date is September 26, 2008. A copy of the flood plain map is included in Appendix L.

Wetlands Map

According to the United States Fish and Wildlife Service (USFWS) Wetlands Mapper website, http://www.fws.gov/wetlands/Data/Mapper.html, no wetlands are present on the property. The nearest plotted wetland is a patch of artificially flooded hydrophyllic vegetation located approximately 315 feet north of the property. A similar patch of vegetation is plotted approximately 630 feet southeast of the property. The wetland map plots two small artificially flooded ponds located approximately 580 feet south and 0.35 mile east of the property. These nearby wetlands, which were not observed during the site reconnaissance, are not considered to have an adverse environmental impact to the property. A copy of the National Wetlands Inventory map is included in Appendix L.

5.3 Historical Records Sources

The table presented below summarizes the findings of the research pertaining to historical property and surrounding area uses.

Intervals (greater than five years) were encountered during the research of historical use information for the property and surrounding area. However, based on the review of reasonably ascertainable historical sources, these intervals did not have an impact on the determination of *recognized environmental conditions* for this ESA and are therefore not considered to be *significant*.

HISTORICAL USE SUMMARY				
Period	**Property Historical Uses**	**Surrounding Area Historical Uses**	**Source(s)**	**Intervals/Comments**
Prior to 1940	Vacant Agricultural	Vacant Agricultural	Aerial Photograph Topographic Map	A 1901 topographic map is the earliest record identified. One 36-year data gap (1902-1937). Possible use change from vacant to agriculture.
1940 - 1960	Agricultural	Agricultural, vacant, commercial, residential, institutional, industrial	Aerial Photographs Topographic Maps	One seven-year data gap (1954-1960). No use changes from agriculture across the data gap.
1961 - 1980	Agricultural	Agricultural, vacant, commercial, residential, institutional, industrial	Aerial Photographs Topographic Maps City Directory	No data gaps.
1981 - 2000	Agricultural	Agricultural, vacant, commercial, residential, institutional, industrial	Aerial Photographs City Directories	No data gaps

Period	Property Historical Uses	Surrounding Area Historical Uses	Source(s)	Intervals/Comments
2001 - present	Agricultural Industrial	Agricultural, vacant, commercial, residential, institutional, industrial	Aerial Photographs Topographic Map City Directories Building Department Record Property Tax Record Prior Reports	No data gaps. Construction of the current power plant and associated structures began circa 2006.

5.3.1 Aerial Photographs

ATC reviewed available aerial photographs of the property and surrounding areas provided by EDR. Available aerial photographs ranged from 1938 to 2016. The following are descriptions and interpretations from the aerial photograph review.

AERIAL PHOTOGRAPH SUMMARY			
Year	**Scale**	**Property Comments**	**Surrounding Area Comments**
1938, 1949, 1953, 1961, 1967, 1978, 1985, and 1989	1"=500'	The property is under cultivation.	Apart from a few commercial or industrial buildings to the north across the railroad tracks and Matthews Road, the adjacent parcels on all sides are under cultivation, except for the 1989 photograph, where the east-adjacent parcel appears to be vacant land and, on the south-adjacent parcel, in addition to being farmed, a high voltage tower is discernible.
1997	1"=500'	The property is under cultivation.	The adjacent property to the north is shown as developed with the asphalt plant. Several industrial buildings and a paved yard are located to the north, beyond the railroad tracks and Matthews Road. An agricultural field is located beyond the tracks and Matthews Road to the northeast. The adjacent parcels to the east and south are under cultivation. A high voltage tower is present on the south-adjacent parcel as well.
2002	1"=500'	The property is under cultivation.	The current cement plant is now present on the north-adjacent parcel as well. Industrial buildings and a vacant parcel are located beyond the railroad tracks and Matthews Road to the north and northeast, respectively. Adjacent to the east is a vacant parcel, on the northwestern corner of which is an area of dark soil or gravel, possibly from the asphalt plant's activities. Adjacent to the south are high voltage lines and a tower on a parcel that appears to be under cultivation. Adjacent to the west are two fenced properties, one of which has numerous parked vehicles and the other has an area of dark brown soil, the purpose of which is unclear. Adjacent to the west of the southern end of the property is an agricultural field.

Year	Scale	Property Comments	Surrounding Area Comments
2006	1"=500'	The property facility is under construction. The northern warehouse appears to be present along with a number of other sheds and buildings on the northwestern portion of the property.	Adjacent to the north are the current cement and asphalt plants. Adjacent to the north and northeast, beyond the railroad tracks and Matthews Road, are industrial buildings and their yard and a vacant parcel. Adjacent to the south is undeveloped land. The high voltage tower is not discernible. Adjacent to the west, beyond Antelope Road, are two fenced lots, once of which is an equipment yard, while the other is of unknown activity. Farther to the south is a vacant area. Adjacent to the northwest, beyond Antelope Road, is a gravel-paved lot with numerous parked vehicles.
2009 and 2012	1"=500'	The current power generation plant and the property appears very similar to its current appearance.	Adjacent to the north are the cement and asphalt plants. Adjacent to the north and northeast, beyond the railroad tracks and Matthews Road are industrial buildings, their paved yards, and a small vacant area. Adjacent to the east is vacant land, on the northwest corner of which is a large gravel-paved area with several gray stockpiles. Adjacent to the south is vacant land, along with two high voltage towers. Adjacent to the west, beyond Antelope Road are various fenced lots, most of which appear unoccupied except for a lot across from the northern end of the property, which appears to be used as a parking lot, and the eastern half of the current RV storage lot, which is present in the 2012 aerial photograph.
2016	1"=500'	The property appears essentially as it does currently.	Apart from the absence of an equipment yard currently present on the west-adjacent site, but nearly unoccupied in the 2016 photograph, The adjoining parcel on all sides appear essentially as they do currently.

Due to the presence of former agricultural activity on the property between at least 1938 and 2002, it is possible that environmentally persistent pesticides and herbicides may have been used on the property in the past. A 2005 Baseline investigation by URS (see Section 5.3.9) included surface and subsurface sampling for pesticides and herbicides in which low concentrations of various pesticide and herbicide compounds were identified at concentrations well below EPA and DTSC screening levels in use at that time. The amount of mixing, grading and cut and fill operations necessary to prepare the property for development has likely altered and diluted agricultural chemicals further in the developed portions of the property. Accordingly, the former use of pesticides and herbicides on the property is not considered to represent a *recognized environmental condition* at this time. However, it is possible that additional sampling for pesticides and herbicides may be required prior to any redevelopment of the property following decommissioning. Copies of the aerial photographs are included in Appendix F.

5.3.2 Fire Insurance Maps

ATC requested copies of historical Sanborn Fire Insurance Maps (Sanborn Maps) depicting the property and surrounding area from EDR. According to EDR, Sanborn Map coverage of the property is not available. A copy of EDR's "unmapped property" letter is included in Appendix G.

5.3.3 Property Tax Files

According to information on file with the Riverside County Assessor, the current owner of the property is Inland Empire Energy Center LLC, which acquired title in 2015. No prior owners were named. The review of tax files did not identify *recognized environmental conditions* at the property.

5.3.4 Recorded Land Title Records

The acquisition of recorded land title records was not required by the scope of work for the Phase I ESA.

5.3.5 Historical USGS Topographic Maps

ATC reviewed available historical USGS Topographic Quadrangles for information regarding past uses of the property. Topographic maps were reviewed for the years 1901, 1942, 1943, 1947, 1953, 1973, 1979, and 2012. ATC's findings by year are as follows:

No developments are shown on the property on any of the map editions reviewed.

On all of the map editions except those of 1901 and 2012, a school is shown north of the property, beyond the railroad tracks and Matthews Road. A small non-adjacent structure is shown a short distance to the north of the property on the southeast corner of Ethanac Road and Antelope Road on all map editions except for 2012. The 2012 map edition typically depicts no features of development except for streets. The remaining adjacent parcels on all sides are shown as undeveloped.

The review of historical USGS Topographic Quadrangles did not identify specific past uses indicating *recognized environmental conditions* at the property or the surrounding area. Copies of topographic maps are included in Appendix G.

5.3.6 City Directories

ATC reviewed historical city directories at the Riverside Main Library. ATC also consulted a City Directory Image Report prepared by EDR. EDR reviewed city directories at approximate five-year intervals between 1975 and 2014 for indications of current and adjacent property use. ATC's findings from both sources are summarized as follows.

CITY DIRECTORY SUMMARY		
Year	**Property Comments**	**Surrounding Area Comments**
1975, 1981, 1985, 1989, 1990, 1992, 1995, and 1998	Antelope Road: No listings.	Antelope Road: No listings near the property.
2003-04	Antelope Road: No listings.	Antelope Road: 26100-Western Rock Co.; 26245-Address listed, occupant not given.
2005	Antelope Road: No listings.	Antelope Road: No listings near the property.
2007-08	Antelope Road: 26226-Conoco Cement Co, GE Energy, Inland Empire Energy Center, Titan Contracting, Top Grade Construction, Total Western Inc.	26100-Address listed, occupant not given.
2010	Antelope Road: 26226-Agate Incorporated, General Electric Company, Top Grade Construction.	Antelope Road: No listings near the property.
2011-12	Antelope Road: 26226-Address listed, occupant not given.	Antelope Road: No adjacent listings.

Year	Property Comments	Surrounding Area Comments
2014	Antelope Road: 26226-General Electric Company.	Antelope Road: No listings near the property.

The review of historical city directories did not reveal *recognized environmental conditions* at the property. A copy of the EDR City Directory Image Report is included in Appendix G.

5.3.7 Building Department Records

ATC attempted to review available historical building permits at the City of Menifee Building Department. However, ATC was informed that they had no records pertaining to the property address. ATC attempted to review building permits for the property online on the Riverside County Transportation and Land Management Agency website, http://onlineservices.rctlma.org, where there was a record that a Conditional Use Permit had been issued for the property on January 28, 2008. No specifics about the permit were listed. ATC submitted a request to review specific permits pertaining to the property at the Riverside Department of Building and Safety; however, a response has not yet been received. A report addendum will be prepared if the response contains relevant information; however, based on information reviewed from other historical sources, ATC does not anticipate that the pending records review will contain information that would alter the conclusions of this report. The data gap created by the pending agency response is therefore not considered to be *significant*.

5.3.8 Zoning/Land Use Records

Historical zoning information was not readily ascertainable; however, based on a review of historical aerial photographs, the property was likely zoned for agriculture from the late 1930s until the early 2000s.

5.3.9 Prior Reports

ATC was provided with portions of three prior reports by the User. The first report, entitled *Phase I Environmental Site Assessment, Inland Empire Energy Center,* was prepared by Foster Wheeler Environmental Corporation (Foster Wheeler) and dated May 14, 2001. This report was prepared prior to construction of the current power plant. Foster Wheeler did not identify current or past hazardous materials use at the property and made no recommendations for additional investigation.

ATC generally concurs, but notes that the potential for pesticide or herbicide applications to be present on the property was not discussed.

The second report, entitled *Final Amended Geotechnical Report, Inland Empire Energy Center, Romoland, California*, was prepared by GZA GeoEnvironmental, and dated April 2005. This report provided information regarding subsurface soil characteristics obtained from soil boring logs.

The third report, entitled *Phase II Baseline Investigation, GE Energy, GE Inland Empire Energy Center, 26226 Antelope Road, Romoland, California*, was prepared by URS Corporation (URS) and dated May 5, 2005. As part of a pre-development investigation, URS collected surface and subsurface soil samples from 20 boring locations evenly distributed across the property. URS converted six of the borings to temporary groundwater wells to collect groundwater samples for analysis. URS collected one surface water sample and one sediment sample from a drainage ditch along Antelope Road where a sheen had been observed on the water's surface.

A total of 20 surface samples and 25 subsurface samples were selected for analysis from the 20 soil borings. Surface samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, priority pollutant metals by EPA methods 6010B and 7471A, polychlorinated biphenyls (PCBs) by EPA Method 8082, organochlorine pesticides by EPA Method 8081A, and chlorinated herbicides by EPA Method 8151A. Subsurface soil samples were generally analyzed similarly, although there were individual exceptions where selected analyses were not conducted. Two subsurface samples, collected from Boring 3 at 30 feet and Boring 5 at 51 feet, were analyzed for 1,4-dioxane. A number of locations had to be re-sampled at a later date due to procedural errors.

Groundwater samples were analyzed using the same tests with the addition of perchlorate using EPA Method 314.0, once more with selected exceptions.

The surface water and sediment were analyzed by the same tests as the groundwater samples, with the exception that the sediment was not analyzed for perchlorate. A low concentration of perchlorate (not stated) was identified in the surface water sample and arsenic was the only contaminant identified in the sediment sample. URS concluded that the observed sheen was unlikely to be from a petroleum source.

The results of soil and groundwater analyses generally identified low concentrations of selected VOCs, SVOCs, pesticides, herbicides, perchlorate, and metals in the various media tested. No PCBs or 1, 4-dioxane were detected in any of the samples. Nearly all compounds identified were reported to be below the screening standards utilized, which included the California Office of Environmental Health Hazard Assessment (OEHHA) soil screening levels and the EPA preliminary remediation goals (PRGs) for industrial soil. For groundwater, the standards included EPA, California Department of Health Services (DHS) Maximum Contaminant Levels (MCLs) and California Public Health Goals (PHGs). Some VOCs were attributed laboratory contaminants, while others URS offered no explanation for a possible source. The most notable finding in surface soils was for arsenic, which ranged from 0.765 milligrams per kilogram (mg/kg) to 1.19 mg/kg. The OEHHA SSL for arsenic in commercial and industrial soil was stated as 0.24 mg/kg. URS pointed out that natural occurrences of arsenic vary widely and often exceed desired screening levels.

Notable findings in groundwater included five samples with detectable amounts of perchlorate, with one sample at a concentration of 6.1 micrograms per liter (ug/L), slightly exceeding the California PHG of 6.0 ug/L. One groundwater sample had a benzo (A) pyrene concentration of 2.3 ug/L. The MCL for this compound was reported by URS as 0.2 ug/L; however, it was not identified in the overlying soil samples. Pesticides were not detected in groundwater, but certain herbicides were identified at low levels. However, the herbicide MCPP was identified in two groundwater wells at concentrations of 4,500 ug/L and 210 ug/L. URS indicated that there is no established MCL for MCPP.

The findings summarized above are necessarily a cursory discussion which were themselves broadly summarized in the report text provided to ATC. The tables that would have identified the concentration of each analyte at each sample point were not included in the portions of the report provided to ATC. However, the overall conclusion of URS's study was that there were no reporting requirements and no required response actions. URS made no further recommendations.

ATC makes no warranty, guaranty or certification regarding the quality, accuracy or reliability of any prior report provided to ATC and discussed in this Phase I ESA report. ATC expressly disclaims any and all liability for any errors or omissions contained in any prior reports provided to ATC and discussed in this Phase I ESA report.

Based on the low concentrations reported in most instances, and the lack of an obvious on-site source, apart from pesticide and herbicide use, ATC does not regard the findings to represent a *recognized environmental condition*; however, the screening standards employed by URS have generally been replaced or updated by later standards compiled by the DTSC Human and Ecological Risk Office (HERO) and/or the RWQCB. If the property, or portions of it, are planned for redevelopment, ATC considers it probable that new soil sampling, particularly for pesticides and herbicides, would likely be a requirement of the development agency. Copies of the portions of the prior reports reviewed are included in Appendix H.

5.3.10 Other Historical Sources

No other historical sources were reviewed.

6.0 SITE RECONNAISSANCE

ATC assessor Mr. Steve W. Anderson conducted the site reconnaissance on May 9, 2019. ATC was accompanied during the site reconnaissance by Mr.Ben Kling, Plant Manager with GE Power. Mr. Kling has been familiar with the property for approximately 13 years. The following is a summary of visual and/or physical observations of the property on the day of the site visit. Photographs can be found in Appendix C.

6.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of: the property and improvements; adjoining sites as viewed from the property; and, the surrounding area based on visual observations made during the trip to and from the property. Unimproved portions of the property (if any) were observed along the perimeter and in a general grid pattern in safely accessible areas. Building exteriors were observed along the perimeter from the ground, unless described otherwise. Access was unavailable to the roof of the water treatment building and north warehouse. Otherwise, there were no access restrictions encountered at the property. The weather during the site reconnaissance was sunny and mild. There were no visibility restrictions due to weather conditions.

6.2 Hazardous Substance Use, Storage, and Disposal

ATC reviewed the property for hazardous materials storage and use, as well as indications that such materials may have been spilled or dumped. As mentioned previously, the property is developed with a power plant along with various support structures and equipment. A complex site, chemical use and storage occurs in many areas and a comprehensive itemization of chemical use is not feasible from a single walk through; however, the major areas of chemical use and storage at the property observed by ATC were as follows:

Administration Building: The Administration building is divided into three major areas. The northern end of the building contains offices. Minor amounts of cleaning supplies in retail-sized containers were observed beneath the sink in the lunch room. The office has two floors and one hydraulic elevator is present. No oil stains were observed in the elevator service room. South of the office area is a shop area. One flame-resistant cabinet located against one wall contained several grease guns, small bottles of brake cleaner and various aerosol cans. Housekeeping in the shop area was very good with no stains or floor drains. The remainder of the building is a large warehouse area. Generally non-chemical items are stored here, but two stacked flame-resistant cabinets were observed, which contained six one-gallon cans of alcohol, tubes of caulk, various aerosol cans, and small containers of adhesive and paint.

South of the Administration building are three large ASTs containing water, one of which is used for fire suppression. On the south side of this AST is a small metal room containing a 300-gallon diesel AST that fuels the fire pumps. The AST is within secondary containment. No indications of staining were observed in the room.

Water Treatment Building: At the northwestern corner of the Water Treatment building is a small laboratory. Small bottles of various chemicals used to test water were observed primarily beneath the sink. A floor drain was observed in the room. No staining was observed. A small room adjacent to the lab on the east contained banks of batteries. The batteries are used in conjunction with control room operations and water treatment controllers. Farther south in the warehouse is an array of pipes and tanks. ATC noted the presence of a 55-gallon drum of a corrosive cleaning solution, and several containers of what appeared to be water treatment chemicals. All of the containers were stored on secondary containment trays. Farther toward the south wall were several large polyethylene ASTs within concrete berms. One AST was empty while the others contained an anti-scale solution and biocide. Two more ASTs, one of which was located within a berm, contained sodium chloride.

Along the eastern exterior wall of the Water Treatment building, were an 8,500-gallon AST of sodium hypochlorite (bleach) and two 2,000-gallon ASTs of sodium bisulfite. Four smaller ASTs (approximately 1,000 gallons each) of dechlorinating solution are stationed against the exterior southern wall of the building.

A short distance southeast from this point are two 16,000-gallon bermed ASTs containing an ammonia solution. Farther east, directly south of one of the electricity generation units, is another bermed area with six ASTs, which included two 6,000-gallon ASTs of sulfuric acid, two 8,500-gallon ASTs of sodium hypochlorite, a 1,000-gallon AST containing Gengard GN-7000, and a 550-gallon AST containing Spectrus BD 1500. These chemicals are dedicated to cleaning up the long row of cooling towers.

On the eastern side of the property are two racks, each with six tubular ASTs of hydrogen gas.

Hazardous Waste Area: A short distance east-northeast of the Unit 1 turbine is the hazardous waste area consisting of two pole-sheds facing each other from opposite ends of a concrete pad. The southern shed was divided into sub-areas, within which were different sorts of compressed gasses. In one compartment were seven empty propane cylinders and canisters. Seven full propane forklift fuel canisters were stored in a rack in the adjacent area. Nearby were seven oxygen and a similar number of acetylene cylinders chained to opposite sides of their area. Also stored in their respective areas were three salvage drums, seven empty 55-gallon drums, and two empty dollies.

North of this shed was a larger pole shed divided into two sub-areas. On the right-hand side was a 240-gallon waste oil tank. Across from the AST were two 55-gallon drums of used oil filters and a drum full of used sorbent. The fenced area on the left-hand side contained approximately 35 55-gallon drums, most of which contain various oils, with at least two containing a citrus cleaner. Several smaller five-gallon containers are stored along with the drums on a narrow spill-catching mat. However, no indications of spills were observed. In the northwest corner of this area were five flame-resistant cabinets containing aerosol cans of paint, small containers of alcohol, adhesive, and grease tubes. Also present in the cabinets were three five-gallon gasoline containers, one five-gallon container for diesel, and two gallons of alcohol.

Between the northern and southern sheds was a 480-gallon diesel AST. No stains were present near the AST.

Turbine Area: The central portion of the property is occupied by two natural gas fueled turbines, known simply as Unit 1 and Unit 2. A small fenced enclosure is located along the southern fence line of the property. This enclosure is occupied by Southern California Gas and serves as a distribution point for the turbines. The location of the pipeline bringing natural gas in to the property is not known; however, a natural gas pipeline marker was observed just outside the eastern fence line close to the southeast corner of the facility. The turbines are identical in layout. Various ASTs are located within, or adjacent to the framework. These include a 50,000-gallon condensate tank, additional ammonia ASTs, fuel drain tanks, and a wash water drain tank. Two lube oil ASTs totaling approximately 15,878 gallons are located in the north-central portion of each Unit, no staining was observed. At the western exterior end of each turbine Unit are diesel-fueled emergency generators. The fuel for each generator is contained in a 3,500-gallon belly tank. No staining was observed near the generators.

Northern Warehouse: Located on the north-central portion of the property is a metal warehouse structure, used, for the most part, for the storage of non-chemical items; however, large numbers of compressed gas cylinders were observed stored along one wall.

Hazardous waste generated at the property appears to consist primarily of waste oil, oily rags and pads, and universal waste. According to Mr. Kling, Clean Harbors is the hazardous waste vendor and Safety Kleen removes universal wastes. Reportedly, each firm comes on an as-needed basis.

6.3 Underground Storage Tanks

ATC did not identify visual or documentary evidence of current or former underground storage tanks (USTs) at the property.

6.4 Aboveground Storage Tanks

Numerous ASTs are present at the property. These range in size from a 2,100,000-gallon process water tank to 240-gallon ASTs for waste oil and sodium chloride. Most ASTs appear to be stored within secondary containment. No indications of releases were identified near the ASTs observed on-site.

6.5 Other Petroleum Products

Apart from what was discussed in Section 6.2 and what might be contained inside hydraulic equipment and transformers, ATC did not observe other petroleum products on-site.

6.6 Polychlorinated Biphenyls (PCBs)

According to Mr. Kling, a total of 19 privately-owned transformers are present on the property, although it is unclear if this total includes a pad-mounted switch and transformer located at the far northwestern corner of the property, that appear to be typical of SCE equipment. Based on the age of the property improvements, it is unlikely that any of the transformers on-site contain PCBs.

Another potential source of PCBs is the ballasts of fluorescent lights. Fluorescent lighting is present in the property buildings. Based on the age of the property improvements (post-2006), it is unlikely that PCB-containing ballasts are present. As part of normal maintenance, ballasts should be inspected for labeling indicating their PCB content. In general, any ballast not specifically labeled as not containing PCBs is presumed to contain them and will require special disposal practices when eventually discarded.

PCBs have also been used as an additive in hydraulic oil. One hydraulic elevator is present in the Administration building and containers of hydraulic oil were observed in various areas of the property. Based on the age of the property improvements, it is unlikely that the elevator or any of the oil supplies purchased for use at the property contain PCBs.

6.7 Unidentified Substance Containers

ATC did not observe unidentified substance containers at the property.

6.8 Nonhazardous Solid Waste

Non-hazardous solid waste is disposed of in a standard dumpster located by the Administration building. Additionally a large roll-off dumpster is located near the North Warehouse. According to Mr. Kling, Waste Management empties the standard dumpster twice per week and removes the large roll-off as needed.

6.9 Wastewater

Wastewater at the property consists of storm runoff, condensates from various processes, sanitary sewage, and unusable brine. Sanitary sewage is conveyed off-site to the municipal sewer system. The brine is piped off-site to the Santa Ana Watershed Project Authority where it is transported to a water treatment plant operated by the Orange County Sanitation District. Stormwater is conveyed to two large stormwater retention basins located near the southeastern and southwestern corners of the property, where it is removed, filtered, treated, and re-introduced into the system as process water. Water derived from sources such as condensate or drains inside of berms is treated through the oil/water separator before being returned to the system as process water.

6.10 Waste Pits, Ponds and Lagoons

As mentioned previously, there are two large stormwater retention basins at the southeastern and southwestern corners of the property.

6.11 Drains and Sumps

Floor drains were noted in several areas of building interiors. Storm drains were noted locally in the yard areas. None of the drains were observed to have associated staining. Grated catch basins (essentially sumps) are located in many AST berms as well as the bermed hazardous materials area. No associated stains were observed in association with these basins.

6.12 Septic Systems

ATC did not observe evidence of a septic system at the property.

6.13 Stormwater Management System

Stormwater is conveyed from building roofs by exterior downspouts. Storm drains located in the yard convey stormwater to the retention basins, where it is ultimately recycled for use as process water.

6.14 Wells

ATC did not observe wells of any type on the property.

7.0 SUBSURFACE VAPOR MIGRATION

ATC conducted a limited screening for potential vapor encroachment conditions (VECs) that may affect the property. The VEC screening focused on the current and historical usage of the property and also utilized the aforementioned regulatory agency database report provided by EDR to evaluate identified Chemicals of Concern (COCs), including petroleum hydrocarbons. To identify the area of concern (AOC) for contaminated sites with non-petroleum hydrocarbon COCs, ATC utilized the approximate minimum search distance defined by ASTM E 2600-10 of 1,760 feet (1/3 mile) from the property boundary for COC-contaminated sites. For sites contaminated with petroleum hydrocarbon COCs, ATC utilized the AOC approximate minimum search distance of 528 feet (1/10 mile). The AOC was adjusted accordingly based on review of physical setting characteristics, known release information, property and land features, groundwater flow direction, and soil type, et al.

ASTM's Vapor Encroachment guidance indicates that when groundwater flow direction can be estimated or determined, the cross-gradient or downgradient radius distances can be significantly reduced. Reduced AOC distances may be calculated when considering groundwater flow direction by utilizing the following default distances, which were determined using the Buonicore Methodology: (non-petroleum hydrocarbon COCs) 1,760 feet in the upgradient direction; 365 feet in the cross-gradient direction; and 100 feet in the downgradient direction and (petroleum hydrocarbon COCs) 528 feet in the upgradient direction; 165 feet in the cross-gradient direction if Light, Non-Aqueous Phase Liquid, (LNAPL i.e. floating product) is suspected; 95 feet in the cross-gradient direction if no LNAPL is suspected; 100 feet in the downgradient direction (LNAPL suspected); and 30 feet in the downgradient position (LNAPL not suspected).

The screening was further refined by evaluating the Critical Distance (CD) factor. The CD is the upper distance a vapor may migrate through soil in the vadose zone assuming the path of least resistance is directly from the closest boundary of the contaminated media (i.e. groundwater or soil) to the nearest property boundary. For non-petroleum hydrocarbon COCs, the CD is 100 feet. For LNAPL petroleum hydrocarbon COCs, the CD is also 100 feet. For dissolved petroleum hydrocarbon COCs, the CD is 30 feet.

ATC reviewed potential sources of COCs from the facilities reported on the EDR database report.

No vapor encroachment conditions were identified on the property or from the surrounding area.

8.0 INTERVIEWS

The persons identified in the table below were interviewed to obtain information regarding *recognized environmental conditions* in connection with the property.

Not included in this listing are those governmental employees that were contacted solely for the purpose of retrieving public information pertaining to the property and who would not be expected to have first-hand knowledge of *recognized environmental conditions* at the property.

Pertinent information from the interviews is discussed in applicable sections of this report with details documented (including failed attempts to interview) on Record of Communication forms in Appendix J.

INTERVIEW SUMMARY				
Role	**Name**	**Title/Company**	**Years Assoc. With Property**	**Interview Type**
Escort / Tenant representative	Mr. Ben Kling	Plant Manager / Inland Empire Energy Center	13 years	In Person

9.0 OTHER ENVIRONMENTAL CONDITIONS

9.1 Asbestos-Containing Material (ACM)

A limited asbestos survey was not a part of the scope of services for this ESA. Readily accessible suspect ACMs observed at the property included (but are not necessarily limited to) wallboard/joint compound, resilient floor tile, flooring mastics, and acoustical ceiling panels. Although not observed directly, other materials that potentially contain asbestos include duct wrap, insulation, and gaskets. Based on the age of the property improvements (post-2006), it is unlikely that ACM is present; however, prior to any renovation or demolition activity, an asbestos survey should be conducted of any suspect ACMs likely to be disturbed. All suspect ACMs appeared to be in good condition.

9.2 Radon

Radon is a naturally occurring colorless, odorless gas that is a by-product of the decay of radioactive materials potentially present in bedrock and soil. The EPA guidance action level for annual residential exposure to radon is 4.0 picoCuries per liter of air (pCi/L). The guidance action level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

ATC's review of published radon data indicates that the property is located in a county designated by the EPA as Zone 2. Zone 2 areas have a predicted radon concentration of greater than or equal to 2.0 pCi/L and less than or equal to 4.0 pCi/L. According to statistical data provided by EDR, an EPA survey of 12 sites in Riverside County revealed none with radon concentrations in excess of 4.0 pCi/L. Additionally, a state survey of six sites located within the same zip code as the property identified none with radon concentrations in excess of 4.0 pCi/L. Based on these statistics, and the fact that the structures are non-residential, radon is not considered to represent an environmental concern at the property and no additional investigations are recommended at this time.

9.3 Lead in Drinking Water

According to a recent annual water-quality report, the potable water supplied to the property neighborhood, meets all state and federal standards for drinking water, including those for lead.

9.4 Lead-Based Paint (LBP)

Based on the age of the property improvements (post 2006), it is unlikely that LBP has been used in the offices and other commonly occupied areas; however, in industrial settings, painted equipment such as ASTs, piping, and the fire pump equipment, may represent an exception and have elevated levels of lead. As the areas with painted equipment, such as the Water Treatment Building and fire pump room, are not slated for demolition, testing for lead is not recommended at this time. Nonetheless, lead-safe practices should be practiced when conducting any work that might disturb painted surfaces. Lead-based paint lies outside of the scope of ASTM and therefore not considered to represent a *recognized environmental condition*. All painted surfaces at the property appeared to be in good condition.

9.5 Mold Screening

ATC conducted a screening survey for mold conditions at the property. The screening consisted of limited interview, document review (if applicable) and physical observation. ATC spoke with Mr. Ben Kling, Plant Manager at the property since construction activity began circa 2006 (or approximately 13 years). Mr. Kling indicated that there have been no roof leaks significant water-intrusion events, or past occurrences of mold during the time he was associated with the property. Accordingly, there was no prior mold documentation for ATC to review.

During the site reconnaissance, ATC did not observe suspect mold at the property. Minor water stains, most likely from HVAC equipment were noted locally in the Administration building.

9.6 Additional User Requested Services

No additional User requested services were included in the scope of work for this ESA.

10.0 REFERENCES

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United States Geological Survey, Water Resources Investigations Report 03-4039, *Tracing Reclaimed Water in the Menifee, Winchester, and Perris-South Ground-Water Subbasins, Riverside County, California*, 2003b.

URS Corporation, *Phase II Baseline Investigation, GE Energy, GE Inland Empire Energy Center, 26226 Antelope Road, Romoland, California*, May 5, 2005.

11.0 TERMINOLOGY

The following provides definitions and descriptions of certain key terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E 1527-13. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of these or other terms.

recognized environmental condition(s) (REC) - the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a *material threat* of a future release to the environment.

material threat - a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional (EP), is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

de minimis condition - is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies. An example might include a release of *hazardous substances* or *petroleum products* that could reasonably and foreseeably result in a concentration exceeding the applicable regulatory agency risk-based residential standards or substantial damage to natural resources. The risk of that exposure or damage would represent a threat to human health or the environment. If an enforcement action would be less likely than not, then the condition is considered to be generally not likely the subject of an enforcement action. A condition determined to be *de minimis* is not a *REC* or *controlled recognized environmental condition (CREC).*

historical recognized environmental condition (HREC) - a past release of any *hazardous substances* or *petroleum products* that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a *HREC*, the environmental professional (EP) must determine whether the past release is a *REC* at the time the assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a *REC* at the time the Phase I ESA is conducted, the condition will be reported in Section 1.2 the Findings and Conclusions Summary table as a *REC*.

controlled recognized environmental condition (CREC) - a *recognized environmental condition* resulting from a past release of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitation, institutional controls, or engineering controls). Per E1527-13, a *CREC* will be reported in the Section 1.2 Findings and Conclusions Summary table as a *CREC* and a *REC*.

migrate/migration - refers to the movement of *hazardous substances* or *petroleum products* in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.

business environmental risk (BER) - refers to a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated per the ASTM standard.

APPENDIX C SOCIOECONOMIC/MONTHLY LABOR FORCE DATA

State of California
April 19, 2019
March 2018 Benchmark

Employment Development Department
Labor Market Information Division
http://www.labormarketinfo.edd.ca.gov
(916) 262-2162

Monthly Labor Force Data for Cities and Census Designated Places (CDP)
March 2019 - Preliminary
Data Not Seasonally Adjusted

Area Name	Labor Force	Employ-ment	Unemployment Number	Unemployment Rate	Census Ratios Emp	Census Ratios Unemp
Riverside County	1,100,000	1,048,600	51,400	4.7%	1.000000	1.000000
Banning city	11,400	10,700	700	5.7%	N/A	N/A
Beaumont city	22,200	21,300	900	4.0%	N/A	N/A
Bermuda Dunes CDP	3,900	3,700	200	4.1%	0.003542	0.003092
Blythe city	6,100	5,800	300	4.7%	0.005514	0.005597
Cabazon CDP	1,500	1,300	200	10.5%	0.001241	0.002952
Calimesa city	3,400	3,200	200	4.8%	0.003092	0.003222
Canyon Lake city	5,700	5,500	200	3.3%	0.005224	0.003595
Cathedral City city	26,200	25,300	900	3.5%	N/A	N/A
Cherry Valley CDP	3,500	3,300	100	4.0%	0.003167	0.002691
Coachella city	19,800	18,000	1,900	9.5%	N/A	N/A
Corona city	84,900	81,800	3,100	3.6%	N/A	N/A
Desert Hot Springs city	11,600	11,000	600	5.5%	N/A	N/A
East Hemet CDP	8,000	7,400	600	7.8%	0.007052	0.012162
Eastvale City city	32,200	31,100	1,100	3.3%	N/A	N/A
El Cerrito CDP	2,400	2,300	100	3.1%	0.002194	0.001443
Hemet city	30,100	28,100	2,100	6.9%	N/A	N/A
Highgrove CDP	2,200	2,000	200	8.0%	0.001941	0.003446
Home Gardens CDP	5,600	5,400	200	3.5%	0.005160	0.003827
Homeland CDP	3,000	2,900	200	5.0%	0.002747	0.002971
Idyllwild Pine Cove CDP	1,400	1,300	0	1.8%	0.001274	0.000475
Indian Wells city	1,800	1,800	0	2.6%	0.001696	0.000931
Indio city	40,400	38,500	1,900	4.8%	N/A	N/A
Jurupa Valley city	48,400	46,300	2,100	4.3%	N/A	N/A
La Quinta city	19,000	18,300	700	3.7%	N/A	N/A
Lake Elsinore city	30,300	28,900	1,400	4.7%	N/A	N/A
Lakeland Village CDP	5,900	5,400	400	7.5%	0.005186	0.008530
Lakeview CDP	1,100	1,000	100	5.7%	0.000998	0.001220
March AFB CDP	300	300	0	4.8%	0.000265	0.000270
Mecca CDP	3,400	3,300	200	4.7%	0.003106	0.003101
Menifee city	39,100	37,200	1,900	4.8%	N/A	N/A
Moreno Valley city	95,500	90,700	4,800	5.1%	N/A	N/A
Murrieta city	55,700	53,600	2,200	3.9%	N/A	N/A
Norco city	11,900	11,400	500	4.4%	N/A	N/A
Nuevo CDP	3,100	2,900	200	5.7%	0.002798	0.003427
Palm Desert city	24,700	23,800	900	3.8%	N/A	N/A
Palm Springs city	23,000	22,100	900	3.9%	N/A	N/A
Perris city	31,000	29,200	1,800	5.8%	N/A	N/A
Rancho Mirage city	6,500	6,200	200	3.7%	0.005944	0.004684

Data Not Seasonally Adjusted

Area Name	Labor Force	Employ-ment	Unemployment Number	Unemployment Rate	Census Ratios Emp	Census Ratios Unemp
Riverside city	155,300	148,700	6,600	4.3%	N/A	N/A
Romoland CDP	800	800	0	2.7%	0.000780	0.000456
San Jacinto city	19,100	17,900	1,200	6.3%	N/A	N/A
Temecula city	55,700	53,600	2,000	3.6%	N/A	N/A
Thousand Palms CDP	2,900	2,800	100	3.5%	0.002629	0.001928
Valle Vista CDP	6,600	6,300	300	5.0%	0.005975	0.006398
Wildomar city	17,700	17,000	800	4.3%	N/A	N/A
Winchester CDP	1,200	1,100	100	7.9%	0.001040	0.001807
Woodcrest CDP	8,400	8,100	300	4.1%	0.007707	0.006686

CDP is "Census Designated Place" - a recognized community that was unincorporated at the time of the 2012-2016 5-Year American Community Survey (ACS).

Notes:
1) Data may not add due to rounding. All unemployment rates shown are calculated on unrounded data.
2) These data are not seasonally adjusted.
3) N/A = Estimate created by Bureau of Labor Statistics

Methodology:
Monthly city labor force data are derived by multiplying current estimates of county employment and unemployment by the relative employment and unemployment shares (ratios) of each city at the time of the 2010-2014 American Community Survey. Ratios for cities were developed from special tabulations based on ACS employment, unemployment, and population and Census population from the Bureau of Labor Statistics. For smaller cities and CDPs, ratios were calculated from published census data.

Monthly CDP's labor force data are derived by multiplying current estimates of county employment and unemployment by the relative employment and unemployment shares (ratios) of each CDP at the time of the 2012-2016 ACS survey. Ratios for CDPs' were developed from special tabulations based on ACS employment and unemployment from the Bureau of Labor Statistics.

This method assumes that the rates of change in employment and unemployment since the 2010-2014/2012-2016 American Community Survey are exactly the same in each city and CDP as at county level (i.e., that the shares are still accurate). If this assumption is not true for a specific city or CDP, then the estimates for that area may not represent the current economic conditions. Since this assumption is untested, caution should be employed when using these data.

Appendix J

Property Tax Report – No Coverage Certification

URS

From:

URS CORPORATION
28 Corporate Drive,
Suite 200
Clifton Park, NY 12065

Tel. No. 518.688.0015
Fax No. 518.688.0022

Phase II Baseline Investigation
GE Energy
GE Inland Empire Energy Center
26226 Antelope Road
Romoland, California

For: GE Energy
May 5, 2005
URS Project No. 27655003.00000

Roy H. Patterson, PG, REA II
Vice President and Principal Geologist

for Alisa Otteni
GE Energy Client Services Manager

URS

Letter of Transmittal

To:	From	Date: May 5, 2005
Mark Smolley. Calpine Corporation 50 West San Fernando Street San Jose, CA 95113 408.995.5115	**URS Corporation** 28 Corporate Drive Suite 200 Clifton Park, NY 12065 TEL: 518.688.0015 FAX: 518.688.0022	**Attention: Mark Smolley** **Job Number: 27655003.00000** **Re: Phase II Baseline Investigation – Potential Laydown Areas**

■ **The Following Items Are Being Sent** X attached ☐ under separate cover by _____

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of Letter ☐ Other _

Copies	Date or Number	Description
1	4-29-05	paper report - Phase II 26226 Antelope Road, Romoland, CA

☐ For Approval ☐ Approved ☐ Resubmit ___ copies for approval

❑ For Your Use ☐ Approved As Corrected ☐ Submit ___ copies for distribution

X As Requested ☐ Revise and Resubmit ☐ Return ___ corrected prints

☐ For Review and Comment ☐ Not Approved ☐

Copies:

If enclosures are not as noted, kindly notify us at once

Signed: A. E. Steele
URS Corporation

Equal Opportunity Employer M/F

URS

May 5, 2005

Mr. Edward F. Jamison, P.G.
Project Manager – Remediation
GE Energy - Environment, Health & Safety
Building 43, Room 243
One River Road
Schenectady, New York 12345

Subject: Phase II Baseline Investigation
GE Energy
GE Inland Empire Energy Center
26226 Antelope Road
Romoland, CA

Dear Mr. Jamison:

This letter report summarizes the results of the Phase II Baseline Investigation conducted by URS Corporation (URS), on behalf of GE Energy (GE), at the above referenced address (the site). This work was performed in accordance with URS' proposal and scope of work dated January 5, 2004, and was undertaken on behalf of GE. We understand that GE is considering business transactions with Calpine Corporation who currently maintains the property at the above referenced address.

1.0 INTRODUCTION

In January 2005, URS conducted a Phase I Environmental Site Assessment (ESA) and Compliance Audit at the site. The results of this assessment and audit were reported to GE in our February 11, 2005 Phase I ESA report. The results of the Phase I ESA were used to develop the scope of work for this Phase II Baseline Investigation.

The objective of the Phase II Baseline Investigation was to evaluate baseline soil, groundwater, and surface water quality at the site and to evaluate potential areas of concern identified during our Phase I ESA.

URS' Phase II Baseline Investigation comprised seven tasks:

- Task 1 – Prepare a Health and Safety Plan and Obtain Utility Clearance
- Task 2 – Surface and Subsurface Soil Characterization
- Task 3 – Groundwater Characterization
- Task 4 – Surface Water Characterization
- Task 5 –Laboratory Analysis

URS Corporation
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Tel: 518.688.0015
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www.urscorp.com

- Task 6 – Evaluation, Reporting, and Project Management, and
- Task 7 – Optional/Contingency Tasks

These tasks were performed in general accordance with URS' proposal and scope of work dated January 5, 2005 and subsequent conversations and email correspondence with GE. GE did not elect to conduct any of the optional/contingency tasks in Task 7. Any deviations from the planned scope of work are described in Section 2, below.

2.0 SCOPE OF SERVICES

URS conducted fieldwork for the Phase II Baseline Investigation between January 24 and January 28, 2005, on April 11, 2005, and April 14 through April 15, 2005. Not all of the soil samples included in the January 5, 2005 scope of work were collected during the initial field mobilization and investigation between January 24 and January 28, 2005. Based upon subsequent email correspondence and discussions with GE, URS remobilized to the site between April 11 and April 15, 2005 and collected soil samples that had been omitted during the prior mobilization. URS also re-installed and re-sampled one temporary monitoring well (well B05) during this second mobilization because sufficient sample volume was not obtained from the initial sampling round, sample vials for volatile organic compound (VOC) analyses had been broken during shipment, and holding times for groundwater samples for two analyses had expired.

URS performed site activities at reasonable pre-approved work hours and coordinated field activities with GE Energy, Calpine site representatives, and other involved parties, minimizing disruption of site business. Upon final completion of field activities, URS restored boring and sampling locations to pre-existing conditions. Work was performed in accordance with applicable federal, state, and local regulations, permitting requirements, and sampling procedures. Photographs of the Phase II Baseline Investigation activities and conditions encountered during the sampling effort are presented in Appendix A.

2.1 TASK 1 – PREPARE HEALTH AND SAFETY PLAN AND UTILITY CLEARANCES

URS prepared a project-specific Health and Safety Plan (HASP) dated January 21, 2005 for the site prior to conducting the onsite work. Fieldwork was performed in accordance with GE's Health and Safety Contractor Protocol. Work was performed by appropriately trained and certified individuals in accordance with applicable federal, state, and local health and safety regulations and requirements (such as OSHA 40CFR 1910.120). URS used Level D personal protective equipment (PPE) during field operations and took appropriate measures during the field investigation to prevent cross-contamination.

Proposed soil boring locations were marked prior to drilling. URS contacted Underground Services Alert (USA) 48 hours prior to initiating field activities allowing sufficient time for the clearance of public utilities at the site. URS oversaw hand-augering of the first 5 feet of each boring as a precautionary measure to further guard against encountering utilities. Permits were not required for the temporary well installations nor needed for the associated temporary well abandonment (Riverside County, 2005).

2.2 TASK 2 – SURFACE AND SUBSURFACE SOIL CHARACTERIZATION

Between January 24 and April 11, 2005, 21 soil borings (B01 through B20, and B05A) were advanced at the site to obtain data to characterize baseline soil quality conditions at the site. Curriculum Vitae for the URS personnel who conducted the fieldwork are included in Appendix D. As discussed in Section 2.3, six of the borings (B01 through B06) were converted to temporary monitoring wells. Because sufficient groundwater sample volume was not obtained from temporary monitoring well B05 in January 2005, VOC sample vials had been broken, and holding times had expired for two analyses, boring/temporary monitoring well B05A was advanced approximately 10 feet south of boring B05 on April 14, 2005. Groundwater samples were collected from temporary monitoring well B05A on April 15, 2005 to complete the required laboratory analyses at this location near the east side of the site. The soil boring locations were selected to provide spatial coverage of the site with a concentration of sampling locations in the area of the proposed construction footprint. The boring and temporary well locations are shown on Figure 1. The proposed construction footprint is generally bound to the north by borings B15, B16, B17, and B20 and to the south by boring B05, B10, B11, and B19.

Hollow-stem auger borings were drilled by WDC Exploration and Wells (WDC) of Montclair, California, a state-licensed drilling contractor, during the January 2005 fieldwork and re-drilling and re-installation of B05A in April 2005. Photographs are provided in Appendix A. Borings B19 and B20 were advanced by H & P Labs on April 11 using a push-probe sampling rig.

Borings B01 through B06 were advanced to total depths (TDs) ranging from 70 to 90 feet below ground surface (bgs) using a CME-95 drill rig equipped with 6-inch inner diameter (ID) hollow-stem augers. Soil samples were collected from a California-modified split-spoon sampler using a 140-pound/30-inch drop hammer to advance the samplers (Photo 3). The upper approximately 5 feet of each boring was hand-augered; continuous split-spoon samples were collected to a depth of 20 feet bgs, and samples were collected at 5-foot intervals from approximately 20 feet to the total depth of the borings. Observations of these samples and classification of soils from the samples, in conjunction with observations of cuttings, were used to generate a continuous log of the borings. Boring logs are provided in Appendix B.

Samples were collected using a split-spoon sampler fitted with one-inch diameter, 6-inch long, brass sampling sleeves. Soil samples retrieved from each boring were field screened for total VOCs using a photo-ionization detector (PID), and examined for evidence of staining and/or odor that may be indicative of impact. The ends of the sample sleeves were then covered with 4-inch square Teflon™ sheets and sealed with HDPE caps, or the samples were transferred into laboratory provided and prepared sample containers.

Temporary wells were constructed in borings B01 through B06, including B05a, using 2-inch diameter PVC riser and 0.020-inch slotted PVC screens. The well screens were set to extend above and below the groundwater level observed at the time of drilling. The well screens were set at the bottom 5or 10 feet of each boring with Lonestar #3 sand pack. The sand pack extended a minimum of 2 feet above the top of the well screens. A bentonite chip seal was then installed above the sand pack. As shown in the borings logs, temporary well B01 was completed with a 10-foot screen set between 70 and 80 feet bgs. Temporary well B02 was set with 10 feet of screen between 80 and 90 feet bgs due to the presence of fine-grained sediment in the 5-foot interval below the water table. Temporary well B05A was set with a 10-foot screen between 64.5 and 74.5 feet bgs. 5-foot long screens were installed at the remaining temporary well locations: B03 (65 to 70 feet bgs), B04 (65 to 76 feet bgs), B05 (70 to 75 feet), and B06 (67 to 72 feet bgs). The temporary wells were developed by purging using a bailer after installation. As discussed in Section 2.3, the wells were allowed to stabilize overnight before pre-sample purging and sampling.

WDC also advanced soil borings B07 through B18 to 20 feet bgs using a CME-75 drill rig equipped with 6-inch ID hollow-stem augers and a 140-pound/30-inch drop hammer to advance split-spoon samplers (Photo 6). The upper 5 feet of each boring was advance using a hand auger as a precaution against encountering utilities. According to the February 5, 2005 proposal and scope of work, continuous soil samples were to be collected to 20 feet bgs at all boring locations. However, below 5 feet bgs, borings B07 through B18 were sampled at 5-foot intervals to 20 feet bgs using split-spoon samplers. These borings were logged continuously based on observations and classification of soil from the samples and observations of cuttings generated by the hollow-stem augers. Borings B19 and B20 were continuously sampled to 20 feet bgs using a push-probe sampling rig. The subsurface samples were collected using split-spoon samplers in one-inch diameter, 6-inch long brass sampling sleeves. The ends of the sample sleeves were then covered with 4-inch square Teflon™ sheets and sealed with HDPE caps or the samples were transferred into laboratory provided and prepared sample containers. The soil samples retrieved from each boring were field screened for VOCs using a PID, and examined for staining and odor. Boring logs are provided in Appendix B.

URS collected a total of 20 surface soil samples and 25 subsurface samples from the 20 soil borings during the Phase II baseline investigation. Surface soil samples were collected using a hand auger or small sampling trowel. Table 1 summarizes the soil samples and their analyses.

Surface soil samples were analyzed for the following analytes:

- Volatile organic compounds (VOCs) using EPA Method 8260B (per the proposal, a total of 13 surface soil samples were analyzed for VOCs);
- Semi-volatile organic compounds (SVOCs) using EPA Method 8270C;
- Priority Pollutant List (PPL) metals using EPA Methods 6010B and 7471A;
- Polychlorinated biphenyls (PCBs) using EPA Method 8082;
- Organochlorine pesticides using EPA Method 8081A; and
- Chlorinated herbicides using EPA Method 8151A.

One subsurface soil sample was collected from each of the 20 soil borings for analysis, with the exception of soil borings B02, B09, and B11, where two soil samples were collected at depth. The subsurface soil samples selected for laboratory analysis were chosen based on the results of field screening for VOCs using a PID. The sample in each boring with the highest PID reading was submitted for laboratory analysis. If there were no field indications of potential contamination, such as elevated PID readings, staining or odors, the scope of work stated the soil sample collected from the interval with the greatest likelihood for subsurface contamination was selected for analysis. If there was no evidence of impacts in the deep borings, a soil sample was submitted from the sample interval directly above the water table. If there was no evidence of impact in the shallow borings, the sample collected from 20 feet bgs was selected for analysis. None of the soil samples collected had evidence of staining or odor.

Subsurface soil samples were analyzed for the following parameters:

- VOCs using EPA Method 8260B;
- SVOCs using EPA Method 8270C;
- PPL metals using EPA Methods 6010B and 7471A;
- PCBs using EPA Method 8082;
- Pesticides using EPA Method 8081A; and
- Herbicides using EPA Method 8151A.

In addition, subsurface soil samples B03-d30 and B05A-51 were analyzed for 1,4-dioxane using EPA Method 1625 and EPA Method 8270C(M) Isotope Dilution, respectively. Subsurface soil sample B06-d26 was not analyzed for herbicides due to insufficient sample volume. URS did not request that the analytical laboratory analyze soil sample B18-d10 for herbicides within the allowed holding time. Subsurface soil sample B02-d80 was analyzed for VOCs only. However, the second subsurface soil sample from boring B02 (B02-d85) was analyzed for VOCs, SVOCs, metals, PCBs, pesticides, and herbicides, thereby fulfilling the requirements for at depth sampling at this location. Although January

subsurface soil samples B09-d05, B09-d20, B11-d04 were analyzed for herbicides only due to URS' error, boring location B09 was re-drilled in April and the required samples were collected and analyzed, and boring location B-11 had a second subsurface soil sample at depth which fulfilled the sampling requirements.

The soil samples were labeled, sealed, and placed into laboratory prepared containers that were then placed into insulated coolers with ice (maintained at 4°C) and transported under chain-of-custody procedures to the analytical laboratories. The January 2005 soil samples were transported to California-certified Severn Trent Laboratories, Inc. (STL)-Los Angeles, located in Santa Ana, California and to California-certified STL in North Canton, Ohio for analysis. The April 2005 soil samples were transported to California-certified Calscience Environmental Laboratories, Inc. (CEL), of Garden Grove, California for analysis because STL-Los Angeles could not meet the sample turn around time requirements.

Non-disposable sampling equipment was decontaminated after each use. The decontamination process involved spraying the equipment with an Alconox™ solution and then spraying with a deionized water rinse. WDC decontaminated hollow-stem auger equipment by steam cleaning after each use. The equipment was allowed to air dry.

The soil cuttings generated during the investigation were placed on and covered with plastic sheeting at each boring location. Based upon analytical results from sampling analyses, the cuttings do not require special handling and can be left onsite. Decontamination water and purge water from development and sampling of the temporary wells was contained in 55-gallon Department of Transportation (DOT)-approved drums. After receipt of analytical data from the groundwater samples, URS coordinated with Waste Management, Inc., a GE-approved hauling and disposal contractor, to have the drums picked up and transported to Kettleman Hills for proper disposal. Drums from the January sampling event were picked up and disposed on April 11, 2005, and drums of purge and decontamination water from the April sampling event were picked up and disposed on April 21, 2005.

Soil borings were backfilled with bentonite grout through a tremie pipe from total depth to ten feet below grade. Per the direction of Calpine representatives, the upper 10 feet of each boring was backfilled with soil cuttings, as the site is used for agricultural purposes.

2.3 TASK 3 – GROUNDWATER CHARACTERIZATION

Between January 25 and January 28, 2005, URS collected six groundwater samples from temporary wells B01 through B06. On April 15, 2005 URS collected samples for VOCs, chlorinated herbicides, and 1,4-dioxane from temporary well B-05A. The groundwater sample locations were selected to target

potential on- or off-site sources of contamination. As shown on Figure 1 the groundwater sampling locations were designed to target:

- A concrete and asphalt plant (Holiday Trucking) located adjacent to the northern boundary of the site;
- The asphalt and equipment storage located to the east of the site; and
- Provide coverage across the remainder of the site.

The temporary monitoring wells were installed, developed by purging and bailing, and allowed to stabilize overnight prior to sampling. The following day, they were again purged and allowed to recover prior to sampling.

Per the proposal, an interface probe was to be used measure the depth to water in each well prior to sampling; however, the interface probe was only used for two of the January wells and on the April well. One borehole volume was purged from each temporary well prior to sampling using a disposable bailer. After each temporary well recharged to its original water column height, groundwater samples were collected using disposable bailers. The disposable bailers were not reused between wells. Water generated during well purging was collected in DOT-approved, 55-gallon, steel drums and stored on site awaiting proper disposal as discussed above.

Table 1 contains a summary of the groundwater samples and their analyses. According to the January 5, 2005 proposal and subsequent discussions with GE, the groundwater samples were to be analyzed for the following analytes:

- VOCs (including specific emerging contaminants) using Method 8260B;
- SVOCs using Method 8270C;
- PPL metals (dissolved) using Methods 6010B and 7470A;
- PCBs using Method 8082;
- Organochlorine pesticides using Method 8081A;
- Perchlorate using Method 314.0; and
- Chlorinated herbicides Method 8151A.

The groundwater sample from temporary well B04 was not analyzed for perchlorate due insufficient sample volume. However, as perchlorate was detected in the remaining groundwater samples and the surface water sample, and perchlorate in groundwater is a known regional issue in California, with GE's concurrence this sample was not re-collected. Due to insufficient sample volume, the groundwater sample from temporary well B05 was not analyzed for VOCs. Consequently, in April 2005, a groundwater sample was collected from temporary well B05A that was installed adjacent to the B05 location and this sample was analyzed for VOCs. Because the groundwater analytical results for 1,4-

dioxane in temporary well B03 were rejected due to lack of an internal standard, and results for chlorinated herbicides in B05 were rejected due to a holding time violation, a sample was also collected from B05A in April 2005 for re-analysis of these compounds.

During the January 2005 sampling event, groundwater samples were inadvertently analyzed by the laboratory for total metals in addition to analyzing filtered samples for soluble metals. Although the analytical laboratory analyzed both aliquots, the laboratory provided the total metals analytical results at no charge. The January 2005 groundwater samples were analyzed by STL-Los Angeles in Santa Ana, California and STL in North Canton, Ohio. The groundwater samples from B05A from the April 2005 sampling were analyzed by CEL of Garden Grove, California. All of these laboratories are California certified for the analyses conducted.

Non-disposable sampling equipment was decontaminated after each use. The decontamination process involved spraying the equipment with an Alconox™ solution and then spraying with a deionized water rinse. The equipment was allowed to air dry.

Upon completion of groundwater sampling, the temporary wells were properly abandoned. Abandonment procedures included extracting each temporary screen and casing from the boring (Photo 8) and over drilling to remove the sand pack. Borings were backfilled with bentonite grout through a tremie pipe from total depth to 10 feet below grade. Per the direction of Calpine representatives, the upper 10 feet of each boring was backfilled with soil cuttings, because the site is used for agricultural purposes.

The location and elevation of the January 2005 temporary wells were surveyed by PSOMAS. Northing and easting were identified to the nearest 0.2 inch and surface elevations were measured to the nearest 0.01 foot relative to mean sea level datum. Temporary well survey information is provided in Appendix B.

2.4 TASK 4 –SEDIMENT/SURFACE WATER CHARACTERIZATION

On January 28, 2005, URS collected one surface water sample (SW01-d00) from the west side of the site (Photo 13) at the location (SW-01) shown on Figure 1. On April 11, 2005, URS returned to the site and collected one sediment sample (SWS-01) from location SW-01. The surface water sample and sediment samples were collected from the drainage ditch on the west perimeter of the site due to the presence of an apparent "sheen" or iridescent color on the standing water surface (Photo 14). The sheen was determined by URS to likely be a mineral or biological sheen on the water surface and not a petroleum sheen. The surface water sample was collected by filling sample bottles directly from the standing water body. The surface water sample containers were labeled, sealed, and placed into laboratory prepared containers that were transported in insulated coolers with ice (maintained at 4°C)

under chain-of-custody procedures to STL-Los Angeles in Santa Ana, California and to STL in North Canton, Ohio for analysis.

The surface water sample was analyzed for the following analytes:

- VOCs using Method 8260B;
- SVOCs using Method 8270C;
- PPL metals (total and dissolved) using Methods 6010B and 7470A;
- PCBs using Method 8082;
- Organochlorine pesticides using Method 8081A;
- Perchlorate using Method 314.0; and
- Chlorinated herbicides using Method 8151A.

The sediment sample SWS-01 was analyzed for the same analytes that the surface water sample was analyzed for, with the exception of perchlorate.

3.0 RESULTS

The results of the Phase II Baseline Investigation are provided below.

3.1 GEOLOGY AND HYDROGEOLOGY

According to the US Geological Survey 7.5-minute quadrangle for Romoland, California, the ground elevation at the site is approximately 1,430 feet above mean sea level (USGS, 1980). According to the topographic map, the general topography in the area gently slopes toward the west-southwest. A few small unnamed reservoirs and streams are within ½-mile to the south and southeast of the subject property. The reservoirs may have been used as an agricultural water source for livestock.

The subject property is in the Perris Valley within the central part of the Perris block of the northern Peninsular Ranges of southern California. The Perris Valley is bounded on the west by the Elsinore fault zone and on the east by the San Jacinto fault zone and is a broad alluvial plain interrupted locally by topographic highs underlain by crystalline bedrock.

The property is on an alluvial surface built up by sediments shed off the adjacent highlands. The near surface lithology at the site is described in soil logs (GZA Geoenvironmental 2004) as silty, fine to coarse sand, very dense clayey sands, silty well-graded, fine to coarse sand with and without gravel, hard clay, and/or silt.

During a 2000 geotechnical study conducted by URS, groundwater was detected beneath the site at 78.5 feet bgs and during a 2004 geotechnical study by GZA Geoenvironmental, groundwater was detected at depths ranging from 72 feet bgs to 80 feet bgs. Groundwater is expected to follow topography and flow west-southwest. The GZA Geoenvironmental report indicates that a review of information from the Eastern Municipal Water District showed that groundwater flow is to the west.

The site is underlain by five to 20 feet of brown, fine to medium-grained, medium dense alluvial sand. Beneath the alluvium are layers of sand, silty sands, silty clays, sandy clays, and silt that extend to 90 feet bgs. Bedrock was not encountered during the Phase II drilling.

As shown in the boring logs in Appendix B, low levels of organic vapors (less than 10 parts per million [ppm] above background) were detected during field screening. The maximum detected PID reading was 9.9 ppm above background at temporary well B-06 at 65 feet bgs. The PID readings in the alluvium were at lower concentrations than those measured in the lower sand, clay, and silt layers. The subsurface materials, in the borings advanced during the Phase II, did not exhibit any odors, sheens, or staining.

During drilling, the depths to groundwater at the temporary wells B-01 through B-06, including B05A, were between 65 and 72 feet bgs. Figure 2 presents a groundwater elevation contour map based on the depths to water measured at each well prior to groundwater sampling. As shown on Figure 2, groundwater flow at the site is generally to the west. Groundwater flow is toward the northwest within the northern and central portions of the site and there is a component of groundwater flow toward the south-southwest within the southern portion of the site.

3.2 PHASE II ANALYTICAL RESULTS

Table 1 identifies the soil, groundwater, surface water and sediment samples collected and analyzed during the Phase II Baseline Investigation. All analytical results yielded method reporting limits below applicable screening criteria, unless noted otherwise.

The analytical results are presented in Tables 2 through 4 by sample matrix. Tables 2A and 2B present soil matrix analytical results for the January and April 2005 sampling events, respectively. Tables 3A and 3B provide groundwater analytical results for the two sampling events, and Table 4 presents results of surface water sampling. URS reviewed analytical data as received from STL to evaluate for potential site or analytical contamination, to check that the reporting of the data was not potentially affected by matrix or analytical bias, and to evaluate whether the data supports project objectives. URS did not review the project chain of custody documentation and field notes from January 2005 in a timely manner to identify the lapses in sample collection and analysis, and these lapses were not

communicated to GE until March 2005. Therefore, URS remobilized to the site in April 2005 to complete the Phase II scope of work.

The soil results were compared to the California Environmental Protection Agency (Cal/EPA) Office of Environmental Health Hazard Assessment (OEHHA) soil screening levels (SSLs) for residential and commercial/industrial soil and to US Environmental Protection Agency (USEPA) Region IX preliminary remedial goals (PRGs) for industrial soil. Comparison to PRG industrial standards was conducted since the site is to be developed with a power generating facility. PRGs are intended to address human health concerns regarding direct exposure to affected soils (USEPA 2004). PRGs are generally consistent with human health risk assessment guidance prepared by the Department of Toxic Substances Control (RWQCB 2004). The OEHHA SSLs are new soil screening numbers developed by OEHHA and released in January 2005 (revision of November 2004 draft publication) that are intended as "advisory numbers" for use to aid in estimating cleanup costs. The OEHHA publication specifically states that they are not a regulation, are not intended for use by regulatory agencies that have authority to require remediation of contaminated soil, and may not be construed as, and may not serve as, a level that can be used to require an agency to determine that no further action is required or a substitute for the cleanup level that is required to be achieved for a contaminant on a contaminated property.

The groundwater and surface water analytical data collected from the site were compared to the California Department of Health Services (CDHS) Maximum Contaminant Levels (MCLs), (RWQCB, 2000) and to USEPA MCLs (USEPA, 2005). MCLs are standards typically used to protect public health by limiting the levels of contaminants in drinking water. In addition, perchlorate levels in groundwater and surface water were compared to the California Public Health Goal for perchlorate as there is no CDHS MCL or USEPA MCL for perchlorate.

3.2.1 Surface Soil Samples

The surface soil analytical results for the samples collected in January 2005 are summarized in Table 2A, and surface soil analytical results for the samples collected in April 2005 are summarized in Table 2B. A J-flag indicates an estimated result detected above the method detection limit but below the reporting limit. A B-flag indicates that methylene chloride was detected in the method blank. Cal/EPA OEHHA SSLs for residential and commercial/industrial soil and USEPA Region IX PRGs for industrial soil are included in Tables 2A and 2B for comparison.

PCBs were not detected in any of the surface soil samples collected in January 2005 and April 2005.

The only VOC detected in the surface soil samples was methylene chloride, which is a common laboratory contaminant. The maximum detected concentration of methylene chloride is 0.017 milligram per kilogram (mg/kg) in sample B03-d00. There are no OEHHA SSLs for methylene

chloride. The EPA Region IX PRG for methylene chloride is 21 mg/kg. Because methylene chloride was found the laboratory method blanks, it is attributed to laboratory contamination.

The SVOC diethyl phthalate was detected in three of the surface soil samples. The maximum detected concentration of diethyl phthalate was 0.18 (J-flag) in surface soil sample B08-d00. There are no OEHHA SSLs for diethyl phthalate and the detection is well below the EPA Region IX PRG of 100,000 mg/kg. Because phthalate compounds are commonly used as plasticizers, detection of diethyl phthalate may be attributable to field contamination. The only other SVOC compound detected in the surface soil samples was 2-methylnaphthalene at 0.63 m/kg in surface soil sample B17-d01. There are no OEHHA SSLs or EPA Region IX PRG for 2-methylnaphthalene. The source of the 2-methylnaphthalene is not known.

As shown in Tables 2A and 2B, pesticides detected in the surface soil samples included 4,4'-DDE, 4,4'-DDT, dihedron, Endosulfan I, Endosulfan II, and toxaphene. The detected pesticide concentrations were well below their respective OEHHA SSLs and EPA Region IX PRGs. The detected concentrations of 4,4'-DDE ranged from 0.0023 mg/kg (J-flag) in surface soil sample B08-d00 to 0.28 mg/kg in surface soil sample B02-d00. The detected concentrations of 4,4'-DDT ranged from 0.0016 (J-flag) in surface soil sample B02-d00 to 0.0092 mg/kg in surface soil sample B07-01. The OEHHA SSL for residential soil for 4,4'-DDE and 4,4'-DDT is 1.6 mg/kg, and the SSL for commercial and industrial soil for 4,4'-DDE and 4,4'-DDT is 6.3 mg/kg. The EPA PRG for 4,4'-DDE and 4,4'-DDT is 7 mg/kg. The reported concentrations for 4,4'-DDE and 4,4'-DDT are far below these levels. Presence of DDT and DDE may be attributed to residuals from past agricultural applications in the site area.

Endosulfan I was detected in only one surface soil sample B18-d00 at 0.0016 mg/kg (J-flag). Endosulfan II was detected in only one surface soil sample B02-d00 at 0.0012 mg/kg (J-flag). There are no OEHHA SSLs for Endosulfan I. The EPA PRG for Endosulfan I and Endosulfan II is 3,700 mg/kg. The only detection of dieldrin of 0.0034 mg/kg) was in the surface soil sample B02-d00. The OEHHA SSLs for residential soil and commercial/industrial soil for dieldrin is 0.035 mg/kg and 0.13 mg/kg, respectively. The EPA PRG for dieldrin is 0.11 mg/kg. Toxaphene was detected in three samples: B-01-01 at 0.110 mg/kg; B-07-01 at 0.170 mg/kg, and B-15-01 at 0.180 mg/kg. The OEHHA residential SSL for toxaphene is 0.46 mg/kg and the commercial/industrial SSL is 1.8 mg/kg; the EPA Region IX industrial PRG is 1.6 mg/kg. The toxaphene concentrations reported in surface soil samples from the site are well below these screening levels. Similar to DDT and DDE, the presence of Endosulfan I and II, dieldrin, and toxaphene in site soils may be attributed to residuals from past agricultural applications in the site area.

Only two herbicides MCPP [2-(2-methyl-4-chlorophenoxy) propionic acid] (3.4 mg/kg J-flag at B04-d00) and Dicamba (0.25 mg/kg at D18-d00) were detected in the surface soil samples. There are no OEHHA SSLs for residential soil and commercial/industrial soil for these two herbicides. The detected

concentrations for MCPP and Dicamba are below their respective EPA Region IX industrial PRGs of 620 and 18,000 mg/kg, respectively. The presence of these herbicides can be attributed to past agricultural activities in the site area.

Arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc were detected in the surface soil samples collected from the site. The detected concentrations for beryllium, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc were below their respective comparison criteria. Arsenic was detected in the surface soil samples at concentrations that exceed its OEHHA SSLs and PRG (0.25 mg/kg). The OEHHA SSL for residential soil for arsenic is 0.07 mg/kg. The OEHHA SSL for commercial and industrial soil for arsenic is 0.24 mg/kg. The detected arsenic concentrations ranged from 0.765 mg/kg in surface soil sample B11-01 to 1.19 mg/kg in surface soil sample B19-01. These reported arsenic concentrations, while above risk-based comparison criteria, are within the typical range of background arsenic concentrations in California soils.

In 1996, background concentrations of trace metals in soil in California were studied by the University of California Riverside Kearney Foundation on behalf of the Cal/EPA Department of Toxic Substances Control (DTSC). According to this study, arsenic concentrations in "benchmark" California soils were found to range from 0.6 mg/kg to 11.0 mg/kg. Based on URS' experience, background concentrations of arsenic in southern California are on the order of 7.0 to 10.0 mg/kg, and URS has knowledge that the DTSC Human and Ecological Risk Division generally is not concerned about arsenic concentrations in soil below 10 mg/kg. Furthermore, in 2002, the DTSC conducted an evaluation of arsenic concentrations in over 1,000 soil samples from the Los Angeles Unified School District (LAUSD) sites. They calculated a 95 percent Upper Confidence Limit of the 99th Percentile Concentration for arsenic of 11.3 mg/kg from this dataset. Based on that evaluation, arsenic is not considered a chemical of potential concern for risk assessments for new school sites within the LAUSD area unless it is present at concentrations above 11.3 mg/kg. Based on these factors, it is URS' opinion that the detected arsenic concentrations in shallow site soils are not a concern.

3.2.2 Subsurface Soil Samples

The subsurface soil analytical results for the samples collected in January 2005 are summarized in Table 2A, and results for the samples collected in April 2005 are summarized in Table 2B. Similar to the surface soil samples, a J-flag indicates an estimated result detected above the method detection limit but below the reporting limit. A B-flag indicates that methylene chloride was detected in the method blank. Cal/EPA OEHHA SSLs for residential and commercial/industrial soil and EPA Region IX PRGs for industrial soil are included in Tables 2A and 2B for comparison.

PCBs were not detected in any of the subsurface soil samples. Various VOCs, SVOCs, pesticides, herbicides, and metals, were detected in select samples however, except for arsenic, no constituents were detected at concentrations surpassing their respective OEHHA SSLs or EPA Region IX PRGs.

Arsenic was the only compound detected in the subsurface soil samples that exceeded its EPA Region IX PRG of 0.25 mg/kg. The detected concentrations of arsenic ranged from 1.05 mg/kg in subsurface soil sample B20-20 to 2.8 mg/kg in subsurface soil sample B05-d51. As described in Section 3.2.1, the detected concentrations of arsenic in soil are representative of background levels and in URS' opinion are not a concern.

VOCs detected in the subsurface soil samples included common laboratory contaminants acetone and methylene chloride at very low concentrations. Detected acetone concentrations ranged from 0.016 mg/kg in subsurface soil sample B018-d10 to 0.029 mg/kg in subsurface soil sample B06-d26, which are below the EPA Region IX PRG of 54,000 mg/kg. Detected methylene chloride concentrations ranged from 0.048 mg/kg (J-flag) in subsurface soil sample B16-d10 to 0.020 mg/kg (B-flag) in subsurface soil sample B17-d10, which are below the EPA PRG of 21 mg/kg. The detection of methylene chloride are attributed to laboratory-induced impacts and do not represent evidence of site-related contamination. Although acetone was not detected in the laboratory method blanks, acetone is a common laboratory contaminant. Its presence may also be attributable to laboratory or to field contamination.

As shown in Table 2, the only SVOC detected in the subsurface soil samples was diethyl phthalate in sample B07-d10. There are no OEHHA SSLs for diethyl phthalate. Diethyl phthalate was detected at 0.12 mg/kg (J-flag) at B07-d10, which are below its EPA PRG of 100,000 mg/kg. Because phthalate compounds are commonly used as plasticizers, detection of diethyl phthalate may be attributable to field contamination.

Pesticides were detected in one of the subsurface soil samples (B12-d10). The subsurface soil sample collected at 10 feet bgs from boring B12 had detections of 4,4-DDE (0.0039 mg/kg) and 4,4-DDT (0.0013 mg/kg) below their respective OEHHA SSLs and EPA Region IX PRGs. The reported concentrations for 4,4'-DDE and 4,4'-DDT may be attributed to residuals from past agricultural applications in the site area.

Herbicides detected in soil samples include 2,4-DB [(4-2,4-dichlorophenoxy) butyric acid], dichloprop, MCPA [2-methyl-4-chlorophenolyacetic acid], and MCPP. Subsurface soil sample B03-d30 from 30 feet bgs had detections of 2,4-DB (0.22 mg/kg J-flag) and dichlorprop (0.031 mg/kg J-flag). The detected 2,4-DB concentration is far below it's EPA Region IX PRG of 4,900 mg/kg. There are no OEHHA SSLs available for 2,4-DB or for dichloroprop, nor is there an EPA Region IX PRG for dichloroprop. MCPA was detected in three subsurface soil samples: B05-d51 at 3.7 mg/kg J-flag; B09-

d05 at 3.1 mg/kg J-flag; and B11-d05 at 5.6 mg/kg J-flag. These detected concentrations are far below the EPA Region IX industrial PRG for MCPA of 310 mg/kg. There are no OEHHA SSLs for MCPA. The presence of these herbicides can be attributed to past agricultural activities in the site area.

3.2.3 Groundwater Samples

Groundwater analytical results are summarized in Tables 3A and 3B. Tables 3A and 3B include USEPA MCLs (2005) and California Department of Health Services (CDHS) MCLs, (RWQCB, 2000) for comparison. Perchlorate levels in groundwater are compared to the California Public Health goal for perchlorate, as there are no applicable MCLs for perchlorate.

As shown in Tables 3A and 3B, pesticides, PCBs, and 1,4-dioxane were not detected in the groundwater samples. 1,2,3-trichloropropane, a VOC that is considered an emerging chemical, also was not detected in groundwater.

Low-levels of VOCs, dissolved metals, and herbicides were detected in select groundwater samples; however, no constituents were detected at concentrations that exceed either CDHS MCLs or USEPA MCLs. SVOCs, total metals, and perchlorate were detected in groundwater samples above their respective screening levels.

Two VOCs were detected below their respective MCLs. Specifically, acetone, a common laboratory-induced constituent, was detected in the groundwater sample from B01-d80 at 3.2 micrograms per liter (µg/L). There is no established CDHS or USEPA MCL for acetone. Trichlorofluoromethane was detected in the groundwater sample from B04-d75 at 0.36 µg/L (J-flag), which is below the CDHS MCL of 150 µg/l for trichlorofluoromethane. There is no USEPA MCL for trichlorofluoromethane. No other VOCs were detected in any of the groundwater samples. Acetone is potentially a laboratory contaminant; URS is not aware of a potential source for the low-level detection of trichlorofluoromethane.

The SVOC benzo(a)pyrene was detected in the groundwater sample B01-d80 at 2.3 µg/L (J-flag), which exceeds the CDHS MCL and USEPA MCL of 0.2 µg/L. Benzo(a)pyrene is a polycyclic aromatic hydrocarbon (PAH) compound. PAHs are ubiquitous in the environment and may be created as a byproduct of incomplete combustion, oil or coal gasification, diesel emissions, or other sources. They may also be present in crude oil and asphalt. Benzo(a)pyrene was not detected in any of the soil samples from the site analyzed, and the source of the benzo(a)pyrene detected in the single groundwater sample from the site is not known. The only other SVOC detected in groundwater samples was di-n-butylpthalate, which was present in the groundwater samples from B02-d85-d90, B-3-d70, B05-d75, and B06-d75 at levels ranging from 3.9 µg/L (J-flag) to 6.6 µg/L (J-flag). There are no established

CDHS MCL and USEPA MCL for di-n-butylpthalate. Similar to the soil samples in which phthalates were detected, di-n-butylphthalate may be attributable to field or possibly to laboratory contamination.

At least one of the following metals was detected in all the six groundwater samples analyzed for total metals: antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, and zinc. The maximum detected total metals concentrations of antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, and zinc were detected in groundwater sample B03-d70. The detected total metals concentrations were all from unfiltered samples. The reported metals concentrations are therefore a combination of soluble metals within the groundwater and metals present in particulates suspended within the groundwater. Groundwater samples from the temporary wells were turbid, and the detected metals concentrations are not a reliable indicator of dissolved phase metals. Total metals were detected surpassing the CDHS MCLs, however, due to the turbid nature of the samples, these results should not be compared to the criteria levels.

At least one of the following metals was detected in all the six groundwater samples analyzed for dissolved metals: arsenic, barium, beryllium, chromium, cobalt, copper, molybdenum, nickel, selenium, vanadium, and zinc. These analyses were run on groundwater samples that were filtered in the laboratory. Because the samples were not filtered in the field and immediately acidified, the reported concentrations are qualified as estimated values. None of the detected dissolved metals concentrations exceeded their respective comparison criteria where available. There are no CDHS MCLs or USEPA MCLs for cobalt, molybdenum, or vanadium, and there is no USEPA MCL for nickel.

Perchlorate was detected in all five groundwater samples (B01-d80, B02-d85-d90, B03-d70, B04-d75, and B06-d75) analyzed for perchlorate at concentrations ranging from 4.4 to 6.1 µg/L. Only one detected perchlorate concentration, B01-d80 at 6.1 µg/L, slightly exceeds the California Public Health Goal for perchlorate of 6.0 µg/L. There is no CDHS or USEPA MCL for perchlorate. The California Public Health Goal is a recently adopted goal for perchlorate levels in drinking water. It is a value used for comparison to concentrations in samples analyzed from public drinking water supplies. Perchlorate has been widely detected in groundwater within the Inland Empire area of southern California. It has been associated with historic aerospace manufacturing as a rocket propellant, associated with fireworks manufacture, and is present in surface water from the Colorado River. Its presence at the site could potentially be associated with past manufacturing operations in the region or to application of Colorado River water for agricultural irrigation.

Several herbicides including 2,4-D, dalapon dicamba, dichloroprop, MCPA, and MCPP were detected in six of the seven groundwater samples from January 2005 analyzed by STL North Canton. Herbicides were not detected in groundwater sample B-05A collected in April 2005 and analyzed by CEL. Herbicide 2,4-D was detected in the only one groundwater sample B03-d70 at 2.2 µg/L (J-flag), which is below its CDHS MCL or USEPA MCL of 70 µg/L. Dalapon was detected in four of the seven

groundwater samples at concentrations ranging from 0.89 µg/L (J-flag) in groundwater sample B04-d75 to 16 µg/L in groundwater sample B03-d70. The CDHS MCL and USEPA MCL for dalapon is 200 µg/L. Dicamba was detected in only one groundwater sample B01-d80 at 1.7 µg/L (J-flag). Dichloroprop was detected in only one groundwater sample B01-d80 at 3.9 µg/L (J-flag). MCPA was detected in four of the seven groundwater samples (B01-d80, B03-d70, B04-d75, and B06-d75) at concentrations that ranged from 240 µg/L (J-flag) in groundwater sample B03-d70 to 1,800 µg/L in groundwater sample B06-d75. MCPP was detected in two of the seven groundwater samples B01-d80 (4,500 µg/L) and B03-d70 (210 µg/L J-flag). There are no CDHS MCL or USEPA MCL for dicamba, dichloroprop, MCPA, and MCPP. The seemingly high detected concentrations of MCPA and MCPP, relative to other herbicide compounds detected in groundwater, are likely due to the very high aqueous solubility of these two compounds (160,000 and 734 mg/L, respectively), and the extremely low adsorption coefficient (Koc) of 26 for MCPP. Presence of these herbicides can be attributed to historic agricultural land use in the site area.

3.2.4 Surface Water Sample

One surface water sample, SW-01, was collected during the Phase II. The surface water analytical results are summarized in Table 4. Table 4 also includes CDHS MCLs and USEPA MCLs, (RWQCB, 2000) for comparison. As discussed above, surface water results are compared to groundwater standards for comparison purposes as no surface water standards exist. In addition, perchlorate levels in surface water are compared to the California Public Health Goal for perchlorate as there is no CDHS MCL or USEPA MCL for perchlorate.

As shown in Table 4, SVOCs, pesticides, and PCBs were not detected in the surface water sample above their respective detection limits. The only VOC detected in the surface water sample was acetone at 5.1 µg/L. Acetone is a common laboratory contaminant and there is no CDHS MCL or USEPA MCL for acetone in groundwater. The relative absence of VOCs from the surface water sample support URS' interpretation that the apparent "sheen" observed by URS on the water sample was a mineral or biologic sheen and not evidence of petroleum or hydrocarbon contamination.

Table 4 shows that several total metals (arsenic, chromium, copper, nickel, and zinc) were detected in the surface water sample at concentrations below CDHS MCLs or USEPA MCLs, where available. Dissolved metals detected in the surface water sample include arsenic, barium, chromium, copper, molybdenum, vanadium, and zinc. There are no CDHS MCLs or USEPA MCLs for molybdenum and vanadium. The dissolved metals concentrations for arsenic, barium, chromium, copper, and zinc were below their respective CDHS MCLs or USEPA MCLs.

Perchlorate was detected in surface water sample SW01-d00 at 3.2 µg/L. This result was flagged by the laboratory (B-flag) as an estimated result that is less than the reporting limit. The California Public

Health Goal for perchlorate in groundwater is 6 µg/L. There is no CDHS MCL or USEPA MCL for perchlorate.

The herbicide dinoseb was detected in the surface water sample at 0.32 µg/L, which is well below the CDHS MCL and USEPA MCL for dinoseb in groundwater of 7 µg/L. No other herbicides were detected in the surface water sample.

3.2.5 Sediment Sample

In April 2005, one sediment sample SWS-01 was collected from the drainage ditch along the west side of the site and analyzed for VOCs, SVOCs, metals, PCBs, pesticides, and herbicides. The analytical results for this sediment sample are summarized in Table 2B. Cal/EPA OEHHA SSLs for residential and commercial/industrial soil and USEPA Region IX PRGs for industrial soil are included in Table 2B for comparison.

As shown in Table 2B, VOCs, SVOCs, PCBs, and herbicides were not detected sediment sample SWS-01. One pesticide (4,4'-DDE) was detected in sediment sample SWS-01 at a concentration well below its respective OEHHA SSLs and USEPA PRGs. Several metals including arsenic, beryllium, cadmium, chromium, copper, lead, nickel, silver, and zinc were detected in the sediment sample. With the exception of arsenic detected at 1.23 mg/kg, none of the other detected metals concentrations exceed OEHHA SSLs or USEPA PRGs. The reported arsenic concentration is well within the background range for arsenic in soils within California.

4.0 CONCLUSIONS

Based on the results of the Phase II Baseline Investigation and the previous investigation conducted by others, URS concludes the following:

Geology and Hydrogeology

- The site is underlain by five to 20 feet of brown, fine to medium grained, medium dense alluvial sand. Beneath the alluvium are layers of sand, silty sands, silty clays, sandy clays, and silt that extend to 90 feet bgs. Bedrock was not encountered during the Phase II drilling.

- The depths to groundwater at the temporary wells B-01 through B-06, including B05A, were between 65 and 72 feet bgs.

- The groundwater flow direction beneath the site is generally to the west. Groundwater flow was interpreted to be toward the northwest within the northwest and central portions of the site, and

there is a component of groundwater flow toward the south-southwest within the southern portion of the site.

Surface Soil

- PCBs were not detected in any of the surface soil samples. The detected concentrations of pesticides and herbicides in the surface soil samples were below their respective OEHHA SSLs or USEPA Region IX PRGs for residential soil and commercial/industrial soil.

- Methylene chloride, a common laboratory contaminant, was the only VOC detected in the surface soil samples. There are no OEHHA SSLs for methylene chloride. The detected concentrations of methylene chloride in the surface soil samples were well below the USEPA PRG of 21 mg/kg. The low levels of methylene chloride in the surface soil samples are not believed to be representative VOC impact but rather to laboratory contamination.

- Only two SVOCs, diethyl phthalate and 2-methylnaphthalene, were detected in the surface soil samples. There are no OEHHA SSLs for diethyl phthalate. The maximum detected concentration of diethyl phthalate was well below its USEPA Region IX PRG of 100,000 mg/kg. The only detection of 2-methylnaphthalene at 0.63 mg/kg was in surface soil sample B17-d01, which was collected near the northwest corner of proposed building footprint. There are no OEHHA SSLs or USEPA PRGs for 2-methylnaphthalene.

- Arsenic was the only metal detected at concentration that exceed its OEHHA SSLs and USEPA Region IX PRGs in the surface soil samples. The maximum detected arsenic concentration was 1.19 mg/kg in surface soil sample B19-01, which was collected near the center of the site. It is URS' opinion that the arsenic concentrations detected in soil at the site are representative of background and not indicative of impact.

Subsurface Soil

- PCBs were not detected in the subsurface soil samples.

- VOCs, SVOCs, pesticides, and herbicides were not detected in any of the subsurface soil samples at concentrations that exceed their respective OEHHA SSLs or USEPA Region IX PRGs or for residential soil and commercial/industrial soil.

- Arsenic was the only compound detected in the subsurface soil samples at concentrations that exceed its USEPA PRG of 0.25 mg/kg. The maximum detected concentration of arsenic was 2.8 mg/kg in subsurface soil sample B05-d51, which is representative of background.

Groundwater

- Pesticides and PCBs were not detected in the groundwater samples.
- Some VOCs and herbicides were detected in the groundwater samples. However, their concentrations were below CDHS MCLs or USEPA MCLs.
- Benzo(a)pyrene was detected in groundwater sample B01-d80 (2.3 µg/L J-flag) which exceeds the CDHS MCL and USEPA MCL of 0.2 µg/L. Di-n-butylphthalate was also detected in four groundwater samples. There are no established USEPA MCL or CDHS MCL for di-n-butylphthalate. Di-n-butylphthalate may be a field or laboratory contaminant; the source of the benzo(a)pyrene detected in groundwater is not known.
- None of the dissolved metals concentrations exceeded their respective comparison criteria. Although total metals concentrations for a number of metals exceeded their respective MCLs, the total concentrations are reflective of suspended sediment, and comparison to drinking water criteria is not applicable.
- Perchlorate is present in groundwater beneath the site. The detected concentration of perchlorate in one groundwater sample (6.1 µg/L in B01-d89) slightly exceeded the California Public Health Goal of 6.0 µg/L. There is no CDHS MCL or USEPA MCL for perchlorate. Perchlorate impacts to groundwater is a regional issue, and there are multiple sources of perchlorate, including Colorado River surface water application for agricultural irrigation.
- Neither of the emerging chemicals 1,4-dioxane or 1,2,3-trichloropropane were detected in groundwater.
- Several herbicides including 2,4-D, dalapon, dicamba, dichloroprop, MCPA, and MCPP were detected in six of the seven groundwater samples. The concentrations of 2,4-D and dalapon were well below their respective comparison criteria. There are no or CDHS MCLs or USEPA MCLs for dicamba, dichloroprop, MCPA, and MCPP.

Sediment and Surface Water

- One sediment sample (SW-01) and one surface water sample (SWS-01) were collected near the location of an observed sheen on the surface water in a drainage ditch that is along the western perimeter of the site. The sheen was probably an iron film (biological sheen) and not a petroleum-related sheen.

- VOCs, SVOCs, PCBs and herbicides were not detected in the sediment sample.
- Arsenic was the only metal detected in the sediment sample at concentrations that exceed its OEHHA SSLs and USEPA PRG. The detected arsenic concentration is well within the range of background arsenic concentrations in California soils.
- Pesticides were not detected in the sediment sample at concentrations that exceed OEHHA SSLs or USEPA PRGs.
- Herbicides were not detected in the surface water sample.
- Acetone, a common laboratory contaminant, was detected in surface water sample SWS-01. No other VOCs were detected in the surface water sample.
- No metals (total or dissolved metals) were detected in the surface water sample at concentrations that exceed their respective CDHS MCLs or USEPA MCLs.
- Perchlorate was also detected in the surface water sample. The detected concentration of perchlorate in the surface water sample was below the California Public Health Goal of 6.0 µg/L. There are no CDHS MCLs or USEPA MCLs for perchlorate. In addition, there Riverside County area uses Colorado River water for irrigation and Colorado River water is known to have perchlorate contamination.

Based on these findings, there are no reporting requirements and there are no required response actions.

5.0 UNCERTAINTY AND LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon the data described in this report. They are intended exclusively for the purpose outlined herein and the site location and project indicated. This report is for the sole use and benefit of GE and Calpine. The scope of services performed in execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

Given that the scope of services for this investigation was limited, and that conditions may vary between the points explored, it is possible that currently unrecognized subsurface conditions, including contamination, may be present at the site. Should site use or conditions change, the information and conclusions in this report may no longer apply. Opinions relating to environmental, geologic, and

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geotechnical conditions are based on limited data and actual conditions may vary from those encountered at the times and locations where data were obtained. No express or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed by the Client with the customary thoroughness and competence of professionals working in the same area on similar projects.

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URS sincerely appreciates the opportunity to provide these services to GE Energy and we look forward to our continuing association with GE.

Very truly yours,
URS Corporation

R H Patterson

Roy H. Patterson, PG, REA II
Vice President and Principal Geologist

REGISTERED GEOLOGIST
ROY H. PATTERSON
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Amy C. Steele
for Alisa Otteni
GE Energy Client Services Manager

Attachments: Figure 1 – Site Plan and Sampling Locations
Figure 2 – Groundwater Elevation Contour Map
Table 1 – Summary of Analyses
Table 2 – Summary of Soil Sample Analytical Results
Table 3 – Summary of Groundwater Analytical Results
Table 4 – Summary of Surface Water Analytical Results
Appendix A – Photographs
Appendix B – Boring Logs and Temporary Well Construction Diagrams
Appendix C – Laboratory Analytical Reports
Appendix D – Curriculum Vitae for the URS field personnel

Tables

TABLE 1

SUMMARY OF ANALYSES

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Location ID	Sample ID	Date	Sample Type	Depth (feet bgs)	VOCs[1]	SVOCs[2]	PPL Metals[3]	Dissolved PPL Metals[4]	PCBs[5]	Pesticides[6]	Perchlorate[7]	Herbicides[8]	1,4-Dioxane[9]
B01	B-01-01***	4/11/05	Soil	0-2	x	x	x		x	x		x	
B01	B01-d36	1/24/05	Soil	36	x	x	x		x	x		x**	
B02	B02-d00	1/26/05	Soil	0	x	x	x		x	x		x**	
B02	B02-d80	1/25/05	Soil	80	x								
B02	B02-d85	1/25/05	Soil	85	x	x	x		x	x		x**	
B03	B03-d00	1/26/05	Soil	0	x	x	x		x	x		x**	
B03	B03-d30	1/26/05	Soil	30	x	x	x		x	x		x**	x
B04	B04-d00	1/26/05	Soil	0	x	x	x		x	x		x**	
B04	B04-d31	1/26/05	Soil	31	x	x	x		x	x		x**	
B05	B-05-01***	4/11/05	Soil	0-2	x								
B05	B05-d1.5	1/26/05	Soil	1.5		x	x		x	x		x**	
B05	B05-d51	1/26/05	Soil	51	x	x	x		x	x		x**	
B05A	B-05A-51***	4/14/05	Soil	51									x
B06	B-06-01***	4/11/05	Soil	0-2	x	x	x		x	x		x	
B06	B06-d26	1/27/05	Soil	26	x	x	x		x	x		*A*	
B07	B-07-01***	4/11/05	Soil	0-2		x	x		x	x		x	
B07	B07-d10	1/25/05	Soil	10	x	x	x		x	x		x**	
B08	B08-d00	1/25/05	Soil	0	x	x	x		x	x		x**	
B08	B08-d10	1/25/05	Soil	10	x	x	x		x	x		x**	
B09	B-09-01***	4/11/05	Soil	0-2	x	x	x		x	x		x	
B09	B09-d05	1/25/05	Soil	5	*B*	*B*	*B*		*B*	*B*		x**	
B09	B09-d20	1/25/05	Soil	20	*B*	*B*	*B*		*B*	*B*		x**	
B09	B-09-20***	4/11/05	Soil	18-20	x	x	x		x	x		x	
B10	B-10-01***	4/11/05	Soil	0-2		x	x		x	x		x	
B10	B10-d20	1/25/05	Soil	20	x	x	x		x	x		x**	
B11	B-11-01***	4/11/05	Soil	0-2		x	x		x	x		x	
B11	B11-d05	1/25/05	Soil	5	*B*	*B*	*B*		*B*	*B*		x**	
B11	B11-d10	1/25/05	Soil	10	x	x	x		x	x		x**	
B12	B-12-01***	4/11/05	Soil	0-2	x	x	x		x	x		x	
B12	B12-d10	1/25/05	Soil	10	x	x	x		x	x		x**	

TABLE 1

SUMMARY OF ANALYSES

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Location ID	Sample ID	Date	Sample Type	Depth (feet bgs)	VOCs[1]	SVOCs[2]	PPL Metals[3]	Dissolved PPL Metals[4]	PCBs[5]	Pesticides[6]	Perchlorate[7]	Herbicides[8]	1,4-Dioxane[9]
B13	B-13-01***	4/11/05	Soil	0-2		x	x		x	x		x	
B13	B13-d10	1/26/05	Soil	10	x	x	x		x	x		x**	
B14	B-14-01***	4/11/05	Soil	0-2		x	x		x	x		x	
B14	B14-d10	1/26/05	Soil	10	x	x	x		x	x		x**	
B15	B-15-01***	4/11/05	Soil	0-2	x	x	x		x	x		x	
B15	B15-d10	1/26/05	Soil	10	x	x	x		x	x		x**	
B16	B-16-01***	4/11/05	Soil	0-2		x	x		x	x		x	
B16	B16-d10	1/26/05	Soil	10	x	x	x		x	x		x**	
B17	B-17-01***	4/11/05	Soil	0-2		x	x		x	x		x	
B17	B17-d10	1/26/05	Soil	10	x	x	x		x	x		x**	
B18	B18-d00	1/26/05	Soil	0	x	x	x		x	x		x**	
B18	B18-d10	1/26/05	Soil	10	x	x	x		x	x		*B*	
B19	B-19-01***	4/11/05	Soil	0-2	x	x	x		x	x		x	
B19	B-19-20***	4/11/05	Soil	18-20	x	x	x		x	x		x	
B20	B-20-01***	4/11/05	Soil	0-2	x	x	x		x	x		x	
B20	B-20-20***	4/11/05	Soil	18-20	x	x	x		x	x		x	
SW01	SWS-01***	4/11/05	Sediment	0.1	x	x	x		x	x		x	
SW01	SW01-d00	1/28/05	Surface Water	-	x	x	x	x	x	x	x	x**	
B01	B01-d80	1/25/05	Groundwater	80	x	x	x	x	x	x	x	x**	
B02	B02-d85-d90	1/25/05	Groundwater	85-90	x	x	x	x	x	x	x	x**	
B03	B03-d70	1/25/05	Groundwater	70	x	x	x	x	x	x	x	x**	x
B04	B04-d75	1/27/05	Groundwater	75	x	x	x	x	x	x	*A*	x**	
B05	B05-d75	1/26/05	Groundwater	75		x	x	x	x	x	x	x**	
B05A	B-05A***	4/15/05	Groundwater	-	x							x	x
B06	B06-d75	1/28/05	Groundwater	75	x	x	x	x	x	x	x	x**	

Notes:
Samples analyzed by STL, Inc in Los Angeles, CA, unless otherwise noted.

TABLE 1

SUMMARY OF ANALYSES

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Location ID	Sample ID	Date	Sample Type	Depth (feet bgs)	VOCs[1]	SVOCs[2]	PPL Metals[3]	Dissolved PPL Metals[4]	PCBs[5]	Pesticides[6]	Perchlorate[7]	Herbicides[8]	1,4-Dioxane[9]

** Samples analyzed by STL, Inc in North Canton, OH.

***Samples analyzed by Calscience Laboratories, Inc. of Garden Grove, California.

1. Volatile Organic Compounds (VOCs) analyzed by Method 8260B.
2. Semivolatile Organic Compounds (SVOCs) analyzed by Method 8270C.
3. Priority Pollutant List (PPL) Metals analyzed by Method 6010B. Mercury (Hg) analyzed by Method 7471A for soil and 7470A for water.
4. Dissolved PPL Metals analyzed by Method 6010B. Dissolved Hg analyzed by Method 7471A for soil and 7470A for water.
5. Polychlorinated Biphenyls (PCBs) analyzed by Method 8082.
6. Pesticides analyzed by Method 8081A.
7. Perchlorate analyzed by Method 314.0.
8. Herbicides analyzed by Method 8151A.
9. 1,4-Dioxane analyzed by Method 1625.

A: Analyses was not run due to insufficient sample volume.

B: Analyses was not requested within the allowed holding time.

TABLE 2A

Privileged & Confidential

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B01-d3636 1/24/05	B02-d000 1/26/05	B02-d8080 1/25/05	B02-d8585 1/25/05	B03-d000 1/26/05	B03-d3030 1/26/05	B04-d000 1/26/05
Volatile Organic Compounds (mg/kg)										
Acetone	n.v.	n.v.	54,000	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Benzene	n.v.	n.v.	1.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromobenzene	n.v.	n.v.	92	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	n.v.	n.v.	220	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	n.v.	n.v.	13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Butanone (MEK)	n.v.	n.v.	110,000	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	n.v.	n.v.	240	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
sec-Butylbenzene	n.v.	n.v.	220	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
tert-Butylbenzene	n.v.	n.v.	390	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide	n.v.	n.v.	720	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	n.v.	n.v.	0.55	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	n.v.	n.v.	530	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	n.v.	n.v.	2.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	n.v.	n.v.	1.8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	n.v.	n.v.	6.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	n.v.	n.v.	0.47	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	n.v.	n.v.	160	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlorotoluene	n.v.	n.v.	560	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	n.v.	n.v.	0.076	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromoethane	n.v.	n.v.	0.073	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromomethane	n.v.	n.v.	230	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B01-d36 36 1/24/05	B02-d00 0 1/26/05	B02-d80 80 1/25/05	B02-d85 85 1/25/05	B03-d00 0 1/26/05	B03-d30 30 1/26/05	B04-d00 0 1/26/05
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	310	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	n.v.	n.v.	6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	n.v.	n.v.	0.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	n.v.	n.v.	410	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	n.v.	n.v.	150	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	n.v.	n.v.	230	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	n.v.	n.v.	0.74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichloropropane	n.v.	n.v.	360	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,2-Dichloropropane	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloropropene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	n.v.	n.v.	400	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	n.v.	n.v.	22	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	n.v.	n.v.	n.v.	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Isopropylbenzene (Cumene)	n.v.	n.v.	2,000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p-Isopropyltoluene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene chloride	n.v.	n.v.	21	<0.005	**0.0037J,B**	**0.0063B**	**0.0056B**	**0.017**	**0.0038J,B**	**0.0077B**
4-Methyl-2-Pentanone	n.v.	n.v.	47,000	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
tert-Butylmethylether (MTBE)	n.v.	n.v.	70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	n.v.	n.v.	190	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
n-Propylbenzene	n.v.	n.v.	240	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	n.v.	n.v.	1,700	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B01-d3636 1/24/05	B02-d000 1/26/05	B02-d8080 1/25/05	B02-d8585 1/25/05	B03-d000 1/26/05	B03-d3030 1/26/05	B04-d000 1/26/05
1,1,1,2-Tetrachloroethane	n.v.	n.v.	7.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	n.v.	n.v.	0.93	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene (PCE)	n.v.	n.v.	1.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	n.v.	n.v.	520	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,3-Trichlorobenzene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	n.v.	n.v.	220	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	n.v.	n.v.	1,200	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	n.v.	n.v.	1.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene (TCE)	n.v.	n.v.	0.11	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	n.v.	n.v.	2,000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichloropropane	n.v.	n.v.	0.076	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorotrifluoroethane (Freon 113)	n.v.	n.v.	5,600	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trimethylbenzene	n.v.	n.v.	170	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3,5-Trimethylbenzene	n.v.	n.v.	70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	n.v.	n.v.	0.75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m&p-Xylenes	n.v.	n.v.	420	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	n.v.	n.v.	420	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B01-d3636 1/24/05	B02-d000 1/26/05	B02-d8080 1/25/05	B02-d8585 1/25/05	B03-d000 1/26/05	B03-d3030 1/26/05	B04-d000 1/26/05
SemiVolatile Organic Compounds (mg/kg)										
Acenaphthene	n.v.	n.v.	29,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Acenaphthylene	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Anthracene	n.v.	n.v.	100,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	n.v.	n.v.	2.1	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	n.v.	n.v.	2.1	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	n.v.	n.v.	1.3	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	0.038	0.13	0.21	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzoic acid	n.v.	n.v.	100,000	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Benzyl alcohol	n.v.	n.v.	100,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethoxy) methane	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethyl) ether	n.v.	n.v.	0.58	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis(2-chloroisopropyl)ether	n.v.	n.v.	7.4	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis (2-ethylhexyl) phthalate	n.v.	n.v.	120	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Bromophenyl phenyl ether	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Butyl benzyl phthalate	n.v.	n.v.	100,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Carbazole	n.v.	n.v.	86	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Chloroaniline	n.v.	n.v.	2,500	<0.66	<0.66	NA	<0.66	<0.66	<0.66	<0.66
4-Chloro-3-methylphenol	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Chloronaphthalene	n.v.	n.v.	23,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Chlorophenol	n.v.	n.v.	2,400	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Chlorophenyl phenyl ether	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Chrysene	n.v.	n.v.	13	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Dibenz (a,h) anthracene	n.v.	n.v.	0.21	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B01-d36 36 1/24/05	B02-d00 0 1/26/05	B02-d80 80 1/25/05	B02-d85 85 1/25/05	B03-d00 0 1/26/05	B03-d30 30 1/26/05	B04-d00 0 1/26/05
Dibenzofuran	n.v.	n.v.	1,600	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Di-n-butylphthalate	n.v.	n.v.	62,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
3,3'-Dichlorobenzidine	n.v.	n.v.	3.8	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
2,4-Dichlorophenol	n.v.	n.v.	1,800	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Diethyl phthalate	n.v.	n.v.	100,000	<0.33	<0.33	NA	<0.33	**0.14J**	<0.33	<0.33
2,4-Dimethylphenol	n.v.	n.v.	12,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Dimethylphthalate	n.v.	n.v.	100,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4,6-Dinitro-2-methylphenol	n.v.	n.v.	62	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrophenol	n.v.	n.v.	1,200	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrotoluene	n.v.	n.v.	1,200	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2,6-Dinitrotoluene	n.v.	n.v.	620	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Di-n-octylphthalate	n.v.	n.v.	25,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Fluoranthene	n.v.	n.v.	22,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Fluorene	n.v.	n.v.	26,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Hexachlorobenzene	n.v.	n.v.	1.1	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Hexachlorobutadiene	n.v.	n.v.	22	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Hexachlorocyclopentadiene	n.v.	n.v.	3,700	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Hexachloroethane	n.v.	n.v.	120	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Indeno (1,2,3-cd) pyrene	n.v.	n.v.	2.1	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Isophorone	n.v.	n.v.	510	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Methylnaphthalene	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Methylphenol	n.v.	n.v.	31,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33

TABLE 2A

Privileged & Confidential

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B01-d36 36 1/24/05	B02-d00 0 1/26/05	B02-d80 80 1/25/05	B02-d85 85 1/25/05	B03-d00 0 1/26/05	B03-d30 30 1/26/05	B04-d00 0 1/26/05
3&4-Methylphenol	n.v.	n.v.	3,100	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Naphthalene	n.v.	n.v.	4.2	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Nitroaniline	n.v.	n.v.	1,800	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
3-Nitroaniline	n.v.	n.v.	82	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	n.v.	n.v.	82	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Nitrobenzene	n.v.	n.v.	100	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Nitrophenol	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Nitrophenol	n.v.	n.v.	n.v.	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
n-Nitrosodiphenylamine	n.v.	n.v.	350	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
n-Nitroso-di-n-propylamine	n.v.	n.v.	0.25	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Pentachlorophenol	4.4	13	9	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Phenanthrene	n.v.	n.v.	n.v.	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Phenol	n.v.	n.v.	100,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Pyrene	n.v.	n.v.	29,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,2,4-Trichlorobenzene	n.v.	n.v.	3,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2,4,5-Trichlorophenol	n.v.	n.v.	62,000	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2,4,6-Trichlorophenol	n.v.	n.v.	25	<0.33	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,4-Dioxane (mg/kg)										
1,4-Dioxane	18	64	160	NA	NA	NA	NA	NA	<1	NA

TABLE 2A

Privileged & Confidential

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26226 ANTELOPE ROAD
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PPL Metals (mg/kg)										
Antimony	30	380	410	<6	<6	NA	<6	**0.75B**	<6	<6
Arsenic	0.07	0.24	0.25	**1.4**	**0.93B**	NA	**1.1**	**0.61B**	**2.4**	**1.4**
Beryllium	150	1,700	1,900	**0.37B,J**	**0.28B,J**	NA	**0.25B,J**	**0.16B**	**0.59J**	**0.27B,J**
Cadmium	1.7	7.5	450	<0.5	<0.5	NA	<0.5	**0.26B**	<0.5	<0.5
Chromium	100,000	100,000	450	**8.9J**	**8.1J**	NA	**6.4J**	**7.1J**	**13.7J**	**9J**
Copper	3,000	38,000	41,000	**9.8**	**20.7**	NA	**5.8**	**23.2**	**17.8**	**26.5**
Lead	150	3,500	800	**1.1**	**4.3**	NA	**0.48B**	**3.9**	**2.6**	**4.2**
Mercury	18	180	310	<0.1	<0.1	NA	<0.1	**0.062B**	<0.1	**0.035B**
Nickel	1,600	16,000	20,000	**4.5**	**4.4**	NA	**2.7B**	**3.8B**	**7.2**	**4.7**
Selenium	380	4,800	5,100	**0.53**	**0.49B**	NA	**0.56**	**0.68**	<0.5	**0.65**
Silver	380	4,800	5,100	<1	**0.1B**	NA	<1	**0.9B**	<1	**0.84B**
Thallium	5	63	67	<1	<1	NA	<1	<1	<1	<1
Zinc	23,000	100,000	100,000	**54.4**	**44.2**	NA	**42.2**	**62.1**	**80.3**	**79.8**
Polychlorinated Biphenyls (mg/kg)										
Aroclor-1016	n.v.	n.v.	21	<0.04	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1221	n.v.	n.v.	0.74	<0.04	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1232	n.v.	n.v.	0.74	<0.04	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1242	n.v.	n.v.	0.74	<0.04	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1248	n.v.	n.v.	0.74	<0.04	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1254	n.v.	n.v.	0.74	<0.04	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1260	n.v.	n.v.	0.74	<0.04	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Total PCBs	0.089	0.30	0.74	ND	ND	NA	ND	ND	ND	ND

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
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ROMOLAND, CALIFORNIA

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Pesticides (mg/kg)										
Aldrin	0.033	0.13	0.1	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
alpha-BHC	n.v.	n.v.	0.36	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
beta-BHC	n.v.	n.v.	1.3	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
delta-BHC	n.v.	n.v.	n.v.	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
gamma-BHC (Lindane)	0.5	2	1.7	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
alpha-Chlordane	n.v.	n.v.	6.5	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
gamma-Chlordane	n.v.	n.v.	6.5	<0.002	<0.002	NA	<0.002	<0.002	<0.002	<0.004
4,4'-DDD	2.3	9	10	<0.0033	<0.0033	NA	<0.0033	<0.0033	<0.0033	<0.0066
4,4'-DDE	1.6	6.3	7	<0.0033	**0.028**	NA	<0.0033	**0.004**	<0.0033	**0.02**
4,4'-DDT	1.6	6.3	7	<0.0033	**0.0016J**	NA	<0.0033	<0.0033	<0.0033	<0.0066
Dieldrin	0.035	0.13	0.11	<0.0017	**0.0034**	NA	<0.0017	<0.0017	<0.0017	<0.0034
Endosulfan I	n.v.	n.v.	3,700	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
Endosulfan II	n.v.	n.v.	3,700	<0.0033	**0.0012J**	NA	<0.0033	<0.0033	<0.0033	<0.0066
Endosulfan sulfate	n.v.	n.v.	n.v.	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
Endrin	21	230	180	<0.0033	<0.0033	NA	<0.0033	<0.0033	<0.0033	<0.0066
Endrin aldehyde	n.v.	n.v.	n.v.	<0.006	<0.006	NA	<0.006	<0.006	<0.006	<0.012
Heptachlor	0.13	0.52	0.38	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
Heptachlor epoxide	n.v.	n.v.	0.19	<0.0017	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0034
Methoxychlor	340	3,800	3,100	<0.017	<0.017	NA	<0.017	<0.017	<0.017	<0.034
Toxaphene	0.46	1.8	1.6	<0.067	<0.067	NA	<0.067	<0.067	<0.067	<0.13
Herbicides (mg/kg)										
2,4-D	690	7,700	7,700	<0.080	<0.080	NA	<0.080	<0.080	<0.080	<0.080
Dalapon	n.v.	n.v.	18,000	<0.040	<0.040	NA	<0.040	<0.040	<0.040	<0.040
2,4-DB	n.v.	n.v.	4,900	<0.080	<0.080	NA	<0.080	<0.080	**0.022J**	<0.080

TABLE 2A

Privileged & Confidential

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B01-d36 36 1/24/05	B02-d00 0 1/26/05	B02-d80 80 1/25/05	B02-d85 85 1/25/05	B03-d00 0 1/26/05	B03-d30 30 1/26/05	B04-d00 0 1/26/05
Dicamba	n.v.	n.v.	18,000	<0.040	<0.040	NA	<0.040	<0.040	<0.040	<0.040
Dichlorprop	n.v.	n.v.	n.v.	<0.080	<0.080	NA	<0.080	<0.080	**0.031J**	<0.080
Dinoseb	n.v.	n.v.	620	<0.012	<0.012	NA	<0.012	<0.012	<0.012	<0.012
MCPA	n.v.	n.v.	310	<8	<8	NA	<8	<8	<8	<8
MCPP	n.v.	n.v.	620	<8	<8	NA	<8	<8	<8	**3.4J**
2,4,5-T	550	6,100	6,200	<0.020	<0.020	NA	<0.020	<0.020	<0.020	<0.020
2,4,5-TP (Silvex)	n.v.	n.v.	4,900	<0.020	<0.020	NA	<0.020	<0.020	<0.020	<0.020

Notes:
<: Indicates parameter was not detected at the reporting limit.
ND: Indicates parameter was not detected.
NA: Indicates parameter was not analyzed. See Table 1 for explanation.
Bold values indicate concentrations detected above the reporting limit.
Bold and shaded values indicate concentrations detected above at least one comparison standard.
n.v.: Comparison value not available.
*: Preliminary Remediation Goals (PRGs), USEPA Region 9.
**: Office of Environmental Health Hazard Assessment (OEHHA), Soil-Screening Levels (SSLs), January 2005 Revised.
J (Organics): Indicates an estimated result that is less than the reporting limit.
B (Organics): Indicates that the paramter was detected in the laboratory blank.
B (Inorganics): Indicates an estimated result that is less than the reporting limit.
J (Inorganics): Indicates that the paramter was detected in the laboratory blank.

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
Volatile Organic Compounds (mg/kg)										
Acetone	n.v.	n.v.	54,000	<0.025	NA	<0.025	**0.029**	<0.025	<0.025	<0.025
Benzene	n.v.	n.v.	1.4	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Bromobenzene	n.v.	n.v.	92	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	n.v.	n.v.	n.v.	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	n.v.	n.v.	220	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	n.v.	n.v.	13	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01
2-Butanone (MEK)	n.v.	n.v.	110,000	<0.025	NA	<0.025	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	n.v.	n.v.	240	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
sec-Butylbenzene	n.v.	n.v.	220	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
tert-Butylbenzene	n.v.	n.v.	390	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide	n.v.	n.v.	720	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	n.v.	n.v.	0.55	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	n.v.	n.v.	530	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	n.v.	n.v.	2.6	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	n.v.	n.v.	1.8	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	n.v.	n.v.	6.5	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	n.v.	n.v.	0.47	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	n.v.	n.v.	160	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlorotoluene	n.v.	n.v.	560	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	n.v.	n.v.	n.v.	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	n.v.	n.v.	0.076	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromoethane	n.v.	n.v.	0.073	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromomethane	n.v.	n.v.	230	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	310	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	n.v.	n.v.	6	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	n.v.	n.v.	0.6	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	n.v.	n.v.	410	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	n.v.	n.v.	150	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	n.v.	n.v.	230	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	n.v.	n.v.	0.74	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichloropropane	n.v.	n.v.	360	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
2,2-Dichloropropane	n.v.	n.v.	n.v.	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloropropene	n.v.	n.v.	n.v.	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	n.v.	n.v.	400	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	n.v.	n.v.	22	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	n.v.	n.v.	n.v.	<0.025	NA	<0.025	<0.025	<0.025	<0.025	<0.025
Isopropylbenzene (Cumene)	n.v.	n.v.	2,000	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
p-Isopropyltoluene	n.v.	n.v.	n.v.	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene chloride	n.v.	n.v.	21	**0.004J,B**	NA	**0.012B**	<0.005	<0.005	**0.0092**	<0.005
4-Methyl-2-Pentanone	n.v.	n.v.	47,000	<0.025	NA	<0.025	<0.025	<0.025	<0.025	<0.025
tert-Butylmethylether (MTBE)	n.v.	n.v.	70	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	n.v.	n.v.	190	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
n-Propylbenzene	n.v.	n.v.	240	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	n.v.	n.v.	1,700	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
1,1,1,2-Tetrachloroethane	n.v.	n.v.	7.3	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	n.v.	n.v.	0.93	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene (PCE)	n.v.	n.v.	1.3	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	n.v.	n.v.	520	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,3-Trichlorobenzene	n.v.	n.v.	n.v.	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	n.v.	n.v.	220	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	n.v.	n.v.	1,200	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	n.v.	n.v.	1.6	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene (TCE)	n.v.	n.v.	0.11	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	n.v.	n.v.	2,000	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichloropropane	n.v.	n.v.	0.076	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorotrifluoroethane (Freon 113)	n.v.	n.v.	5,600	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trimethylbenzene	n.v.	n.v.	170	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
1,3,5-Trimethylbenzene	n.v.	n.v.	70	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	n.v.	n.v.	0.75	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
m&p-Xylenes	n.v.	n.v.	420	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	n.v.	n.v.	420	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
SemiVolatile Organic Compounds (mg/kg)										
Acenaphthene	n.v.	n.v.	29,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Acenaphthylene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Anthracene	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	n.v.	n.v.	2.1	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	n.v.	n.v.	2.1	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	n.v.	n.v.	1.3	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	0.038	0.13	0.21	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzoic acid	n.v.	n.v.	100,000	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Benzyl alcohol	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethoxy) methane	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethyl) ether	n.v.	n.v.	0.58	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Bis(2-chloroisopropyl)ether	n.v.	n.v.	7.4	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Bis (2-ethylhexyl) phthalate	n.v.	n.v.	120	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Bromophenyl phenyl ether	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Butyl benzyl phthalate	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Carbazole	n.v.	n.v.	86	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Chloroaniline	n.v.	n.v.	2,500	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
4-Chloro-3-methylphenol	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Chloronaphthalene	n.v.	n.v.	23,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Chlorophenol	n.v.	n.v.	2,400	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Chlorophenyl phenyl ether	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Chrysene	n.v.	n.v.	13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Dibenz (a,h) anthracene	n.v.	n.v.	0.21	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
Dibenzofuran	n.v.	n.v.	1,600	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Di-n-butylphthalate	n.v.	n.v.	62,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
3,3'-Dichlorobenzidine	n.v.	n.v.	3.8	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4-Dichlorophenol	n.v.	n.v.	1,800	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Diethyl phthalate	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	**0.12J**	**0.18J**	<0.33
2,4-Dimethylphenol	n.v.	n.v.	12,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Dimethylphthalate	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4,6-Dinitro-2-methylphenol	n.v.	n.v.	62	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrophenol	n.v.	n.v.	1,200	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrotoluene	n.v.	n.v.	1,200	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,6-Dinitrotoluene	n.v.	n.v.	620	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Di-n-octylphthalate	n.v.	n.v.	25,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Fluoranthene	n.v.	n.v.	22,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Fluorene	n.v.	n.v.	26,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorobenzene	n.v.	n.v.	1.1	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorobutadiene	n.v.	n.v.	22	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorocyclopentadiene	n.v.	n.v.	3,700	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Hexachloroethane	n.v.	n.v.	120	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Indeno (1,2,3-cd) pyrene	n.v.	n.v.	2.1	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Isophorone	n.v.	n.v.	510	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Methylnaphthalene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Methylphenol	n.v.	n.v.	31,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
3&4-Methylphenol	n.v.	n.v.	3,100	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	n.v.	n.v.	4.2	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Nitroaniline	n.v.	n.v.	1,800	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
3-Nitroaniline	n.v.	n.v.	82	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	n.v.	n.v.	82	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Nitrobenzene	n.v.	n.v.	100	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Nitrophenol	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Nitrophenol	n.v.	n.v.	n.v.	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
n-Nitrosodiphenylamine	n.v.	n.v.	350	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
n-Nitroso-di-n-propylamine	n.v.	n.v.	0.25	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Pentachlorophenol	4.4	13	9	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Phenanthrene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Phenol	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Pyrene	n.v.	n.v.	29,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2,4-Trichlorobenzene	n.v.	n.v.	3,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,4,5-Trichlorophenol	n.v.	n.v.	62,000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,4,6-Trichlorophenol	n.v.	n.v.	25	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dioxane (mg/kg)										
1,4-Dioxane	18	64	160	NA	NA	NA	NA	NA	NA	NA

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
PPL Metals (mg/kg)										
Antimony	30	380	410	<6	**0.8B**	**1.2B**	<6	<6	**0.61B**	<6
Arsenic	0.07	0.24	0.25	**0.43B**	**1.2**	**2.8**	**1**	**2**	**0.9B**	**2.3**
Beryllium	150	1,700	1,900	**0.12B,J**	**0.3B**	**0.63**	**0.25B**	**0.48B,J**	**0.22B**	**0.43B,J**
Cadmium	1.7	7.5	450	<0.5	**0.5**	**0.61**	**0.85**	<0.5	**0.21B**	<0.5
Chromium	100,000	100,000	450	**3.4J**	**9.9**	**13.8**	**10.8**	**14.8J**	**9J**	**10.6J**
Copper	3,000	38,000	41,000	**3.4**	**12.6**	**16.5**	**10.6**	**13.8**	**11.3**	**14.1**
Lead	150	3,500	800	**0.36B**	**3.6**	**2.2**	**1**	**2.5**	**2.9**	**2.4**
Mercury	18	180	310	<0.1	<0.1	<0.1	<0.1	**0.024B**	<0.1	<0.1
Nickel	1,600	16,000	20,000	**1.6B**	**5.6**	**7.4**	**4.8**	**7.4**	**4.8**	**5.1**
Selenium	380	4,800	5,100	**0.4B**	**1**	<0.5	**0.79**	<0.5	**1**	**0.63**
Silver	380	4,800	5,100	<1	<1	<1	<1	<1	<1	<1
Thallium	5	63	67	<1	<1	<1	<1	<1	<1	<1
Zinc	23,000	100,000	100,000	**15.4**	**37.2**	**87**	**64.9**	**49.7**	**33**	**39.9**
Polychlorinated Biphenyls (mg/kg)										
Aroclor-1016	n.v.	n.v.	21	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1221	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1232	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1242	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1248	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1254	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1260	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Total PCBs	0.089	0.30	0.74	ND	ND	ND	ND	ND	ND	ND

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
Pesticides (mg/kg)										
Aldrin	0.033	0.13	0.1	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
alpha-BHC	n.v.	n.v.	0.36	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
beta-BHC	n.v.	n.v.	1.3	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
delta-BHC	n.v.	n.v.	n.v.	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
gamma-BHC (Lindane)	0.5	2	1.7	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
alpha-Chlordane	n.v.	n.v.	6.5	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
gamma-Chlordane	n.v.	n.v.	6.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4,4'-DDD	2.3	9	10	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
4,4'-DDE	1.6	6.3	7	<0.0033	**0.0054**	<0.0033	<0.0033	<0.0033	**0.0023J**	<0.0033
4,4'-DDT	1.6	6.3	7	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Dieldrin	0.035	0.13	0.11	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan I	n.v.	n.v.	3,700	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan II	n.v.	n.v.	3,700	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Endosulfan sulfate	n.v.	n.v.	n.v.	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endrin	21	230	180	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Endrin aldehyde	n.v.	n.v.	n.v.	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Heptachlor	0.13	0.52	0.38	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Heptachlor epoxide	n.v.	n.v.	0.19	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Methoxychlor	340	3,800	3,100	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Toxaphene	0.46	1.8	1.6	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Herbicides (mg/kg)										
2,4-D	690	7,700	7,700	<0.080	<0.080	<0.080	NA	<0.080	<0.080	<0.080
Dalapon	n.v.	n.v.	18,000	<0.040	<0.040	<0.040	NA	<0.040	<0.040	<0.040
2,4-DB	n.v.	n.v.	4,900	<0.080	<0.080	<0.080	NA	<0.080	<0.080	<0.080

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B04-d31 31 1/26/05	B05-d1.5 1.5 1/26/05	B05-d51 51 1/26/05	B06-d26 26 1/27/05	B07-d10 10 1/25/05	B08-d00 0 1/25/05	B08-d10 10 1/25/05
Dicamba	n.v.	n.v.	18,000	<0.040	<0.040	<0.040	NA	<0.040	<0.040	<0.040
Dichlorprop	n.v.	n.v.	n.v.	<0.080	<0.080	<0.080	NA	<0.080	<0.080	<0.080
Dinoseb	n.v.	n.v.	620	<0.012	<0.012	<0.012	NA	<0.012	<0.012	<0.012
MCPA	n.v.	n.v.	310	<8	<8	**3.7J**	NA	<8	<8	<8
MCPP	n.v.	n.v.	620	<8	<8	<8	NA	<8	<8	<8
2,4,5-T	550	6,100	6,200	<0.020	<0.020	<0.020	NA	<0.020	<0.020	<0.020
2,4,5-TP (Silvex)	n.v.	n.v.	4,900	<0.020	<0.020	<0.020	NA	<0.020	<0.020	<0.020

Notes:
<: Indicates parameter was not detected at the r
ND: Indicates parameter was not detected.
NA: Indicates parameter was not analyzed. Se
Bold values indicate concentrations detected al
Bold and shaded values indicate concentration:
one comparison standard.
n.v.: Comparison value not available.
*: Preliminary Remediation Goals (PRGs), US

J (Organics): Indicates an estimated result that
J (Inorganics): Indicates that the paramter was

TABLE 2A

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SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
Volatile Organic Compounds (mg/kg)											
Acetone	n.v.	n.v.	54,000	NA	NA	**0.024J**	NA	<0.025	<0.025	**0.024J**	**0.018J**
Benzene	n.v.	n.v.	1.4	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Bromobenzene	n.v.	n.v.	92	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	n.v.	n.v.	n.v.	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Bromoform	n.v.	n.v.	220	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Bromomethane	n.v.	n.v.	13	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01
2-Butanone (MEK)	n.v.	n.v.	110,000	NA	NA	<0.025	NA	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	n.v.	n.v.	240	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
sec-Butylbenzene	n.v.	n.v.	220	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
tert-Butylbenzene	n.v.	n.v.	390	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide	n.v.	n.v.	720	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	n.v.	n.v.	0.55	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	n.v.	n.v.	530	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	n.v.	n.v.	2.6	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	n.v.	n.v.	1.8	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Chloroethane	n.v.	n.v.	6.5	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01
Chloroform	n.v.	n.v.	0.47	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Chloromethane	n.v.	n.v.	160	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01
2-Chlorotoluene	n.v.	n.v.	560	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	n.v.	n.v.	n.v.	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	n.v.	n.v.	0.076	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01
1,2-Dibromoethane	n.v.	n.v.	0.073	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Dibromomethane	n.v.	n.v.	230	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	n.v.	n.v.	600	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
1,3-Dichlorobenzene	n.v.	n.v.	600	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	n.v.	n.v.	7.9	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	310	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	n.v.	n.v.	6	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	n.v.	n.v.	0.6	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	n.v.	n.v.	410	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	n.v.	n.v.	150	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	n.v.	n.v.	230	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	n.v.	n.v.	0.74	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,3-Dichloropropane	n.v.	n.v.	360	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
2,2-Dichloropropane	n.v.	n.v.	n.v.	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,1-Dichloropropene	n.v.	n.v.	n.v.	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	n.v.	n.v.	1.8	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	n.v.	n.v.	1.8	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	n.v.	n.v.	400	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	n.v.	n.v.	22	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
2-Hexanone	n.v.	n.v.	n.v.	NA	NA	<0.025	NA	<0.025	<0.025	<0.025	<0.025
Isopropylbenzene (Cumene)	n.v.	n.v.	2,000	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
p-Isopropyltoluene	n.v.	n.v.	n.v.	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Methylene chloride	n.v.	n.v.	21	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-Pentanone	n.v.	n.v.	47,000	NA	NA	<0.025	NA	<0.025	<0.025	<0.025	<0.025
tert-Butylmethylether (MTBE)	n.v.	n.v.	70	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Naphthalene	n.v.	n.v.	190	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
n-Propylbenzene	n.v.	n.v.	240	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Styrene	n.v.	n.v.	1,700	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01

TABLE 2A

Privileged & Confidential

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
1,1,1,2-Tetrachloroethane	n.v.	n.v.	7.3	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	n.v.	n.v.	0.93	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene (PCE)	n.v.	n.v.	1.3	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Toluene	n.v.	n.v.	520	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,2,3-Trichlorobenzene	n.v.	n.v.	n.v.	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	n.v.	n.v.	220	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	n.v.	n.v.	1,200	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	n.v.	n.v.	1.6	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Trichloroethene (TCE)	n.v.	n.v.	0.11	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	n.v.	n.v.	2,000	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichloropropane	n.v.	n.v.	0.076	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Trichlorotrifluoroethane (Freon 113)	n.v.	n.v.	5,600	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,2,4-Trimethylbenzene	n.v.	n.v.	170	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
1,3,5-Trimethylbenzene	n.v.	n.v.	70	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	n.v.	n.v.	0.75	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
m&p-Xylenes	n.v.	n.v.	420	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005
o-Xylene	n.v.	n.v.	420	NA	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.005

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
SemiVolatile Organic Compounds (mg/kg)											
Acenaphthene	n.v.	n.v.	29,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Acenaphthylene	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Anthracene	n.v.	n.v.	100,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	n.v.	n.v.	2.1	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	n.v.	n.v.	2.1	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	n.v.	n.v.	1.3	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	0.038	0.13	0.21	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Benzoic acid	n.v.	n.v.	100,000	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Benzyl alcohol	n.v.	n.v.	100,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethoxy) methane	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethyl) ether	n.v.	n.v.	0.58	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis(2-chloroisopropyl)ether	n.v.	n.v.	7.4	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Bis (2-ethylhexyl) phthalate	n.v.	n.v.	120	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Bromophenyl phenyl ether	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Butyl benzyl phthalate	n.v.	n.v.	100,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Carbazole	n.v.	n.v.	86	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Chloroaniline	n.v.	n.v.	2,500	NA	NA	<0.66	NA	<0.66	<0.66	<0.66	<0.66
4-Chloro-3-methylphenol	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Chloronaphthalene	n.v.	n.v.	23,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Chlorophenol	n.v.	n.v.	2,400	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Chlorophenyl phenyl ether	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Chrysene	n.v.	n.v.	13	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Dibenz (a,h) anthracene	n.v.	n.v.	0.21	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
Dibenzofuran	n.v.	n.v.	1,600	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Di-n-butylphthalate	n.v.	n.v.	62,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,2-Dichlorobenzene	n.v.	n.v.	600	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	n.v.	n.v.	600	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	n.v.	n.v.	7.9	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
3,3'-Dichlorobenzidine	n.v.	n.v.	3.8	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
2,4-Dichlorophenol	n.v.	n.v.	1,800	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Diethyl phthalate	n.v.	n.v.	100,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2,4-Dimethylphenol	n.v.	n.v.	12,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Dimethylphthalate	n.v.	n.v.	100,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4,6-Dinitro-2-methylphenol	n.v.	n.v.	62	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrophenol	n.v.	n.v.	1,200	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrotoluene	n.v.	n.v.	1,200	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2,6-Dinitrotoluene	n.v.	n.v.	620	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Di-n-octylphthalate	n.v.	n.v.	25,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Fluoranthene	n.v.	n.v.	22,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Fluorene	n.v.	n.v.	26,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Hexachlorobenzene	n.v.	n.v.	1.1	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Hexachlorobutadiene	n.v.	n.v.	22	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Hexachlorocyclopentadiene	n.v.	n.v.	3,700	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Hexachloroethane	n.v.	n.v.	120	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Indeno (1,2,3-cd) pyrene	n.v.	n.v.	2.1	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Isophorone	n.v.	n.v.	510	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Methylnaphthalene	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Methylphenol	n.v.	n.v.	31,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
3&4-Methylphenol	n.v.	n.v.	3,100	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Naphthalene	n.v.	n.v.	4.2	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Nitroaniline	n.v.	n.v.	1,800	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
3-Nitroaniline	n.v.	n.v.	82	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	n.v.	n.v.	82	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Nitrobenzene	n.v.	n.v.	100	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2-Nitrophenol	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
4-Nitrophenol	n.v.	n.v.	n.v.	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
n-Nitrosodiphenylamine	n.v.	n.v.	350	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
n-Nitroso-di-n-propylamine	n.v.	n.v.	0.25	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Pentachlorophenol	4.4	13	9	NA	NA	<1.6	NA	<1.6	<1.6	<1.6	<1.6
Phenanthrene	n.v.	n.v.	n.v.	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Phenol	n.v.	n.v.	100,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
Pyrene	n.v.	n.v.	29,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,2,4-Trichlorobenzene	n.v.	n.v.	3,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2,4,5-Trichlorophenol	n.v.	n.v.	62,000	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
2,4,6-Trichlorophenol	n.v.	n.v.	25	NA	NA	<0.33	NA	<0.33	<0.33	<0.33	<0.33
1,4-Dioxane (mg/kg)											
1,4-Dioxane	18	64	160	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

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PPL Metals (mg/kg)											
Antimony	30	380	410	NA	NA	<6	NA	<6	<6	<6	<6
Arsenic	0.07	0.24	0.25	NA	NA	**1.2**	NA	**1.8**	**1.2**	**2**	**1.2**
Beryllium	150	1,700	1,900	NA	NA	**0.35B,J**	NA	**0.47B,J**	**0.35B,J**	**0.46B,J**	**0.21B,J**
Cadmium	1.7	7.5	450	NA	NA	<0.5	NA	<0.5	<0.5	<0.5	<0.5
Chromium	100,000	100,000	450	NA	NA	**8.3J**	NA	**13.2J**	**9.1J**	**14.2J**	**8J**
Copper	3,000	38,000	41,000	NA	NA	**11.3**	NA	**15.4**	**12.1**	**12.3**	**9.4**
Lead	150	3,500	800	NA	NA	**1.3**	NA	**2**	**1.6**	**1.7**	**1.1**
Mercury	18	180	310	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	<0.1
Nickel	1,600	16,000	20,000	NA	NA	**4.1**	NA	**5.7**	**4.3**	**6.4**	**3.5B**
Selenium	380	4,800	5,100	NA	NA	**0.54**	NA	**0.43B**	**0.61**	<0.5	**0.79**
Silver	380	4,800	5,100	NA	NA	<1	NA	<1	<1	<1	<1
Thallium	5	63	67	NA	NA	<1	NA	<1	<1	<1	<1
Zinc	23,000	100,000	100,000	NA	NA	**40.5**	NA	**46.7**	**36.8**	**42.4**	**17.8**
Polychlorinated Biphenyls (mg/kg)											
Aroclor-1016	n.v.	n.v.	21	NA	NA	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1221	n.v.	n.v.	0.74	NA	NA	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1232	n.v.	n.v.	0.74	NA	NA	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1242	n.v.	n.v.	0.74	NA	NA	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1248	n.v.	n.v.	0.74	NA	NA	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1254	n.v.	n.v.	0.74	NA	NA	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Aroclor-1260	n.v.	n.v.	0.74	NA	NA	<0.04	NA	<0.04	<0.04	<0.04	<0.04
Total PCBs	0.089	0.30	0.74	NA	NA	ND	NA	ND	ND	ND	ND

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
Pesticides (mg/kg)											
Aldrin	0.033	0.13	0.1	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
alpha-BHC	n.v.	n.v.	0.36	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
beta-BHC	n.v.	n.v.	1.3	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
delta-BHC	n.v.	n.v.	n.v.	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
gamma-BHC (Lindane)	0.5	2	1.7	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
alpha-Chlordane	n.v.	n.v.	6.5	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
gamma-Chlordane	n.v.	n.v.	6.5	NA	NA	<0.002	NA	<0.002	<0.002	<0.002	<0.002
4,4'-DDD	2.3	9	10	NA	NA	<0.0033	NA	<0.0033	<0.0033	<0.0033	<0.0033
4,4'-DDE	1.6	6.3	7	NA	NA	<0.0033	NA	<0.0033	**0.0039**	<0.0033	<0.0033
4,4'-DDT	1.6	6.3	7	NA	NA	<0.0033	NA	<0.0033	**0.0013J**	<0.0033	<0.0033
Dieldrin	0.035	0.13	0.11	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan I	n.v.	n.v.	3,700	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan II	n.v.	n.v.	3,700	NA	NA	<0.0033	NA	<0.0033	<0.0033	<0.0033	<0.0033
Endosulfan sulfate	n.v.	n.v.	n.v.	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
Endrin	21	230	180	NA	NA	<0.0033	NA	<0.0033	<0.0033	<0.0033	<0.0033
Endrin aldehyde	n.v.	n.v.	n.v.	NA	NA	<0.006	NA	<0.006	<0.006	<0.006	<0.006
Heptachlor	0.13	0.52	0.38	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
Heptachlor epoxide	n.v.	n.v.	0.19	NA	NA	<0.0017	NA	<0.0017	<0.0017	<0.0017	<0.0017
Methoxychlor	340	3,800	3,100	NA	NA	<0.017	NA	<0.017	<0.017	<0.017	<0.017
Toxaphene	0.46	1.8	1.6	NA	NA	<0.067	NA	<0.067	<0.067	<0.067	<0.067
Herbicides (mg/kg)											
2,4-D	690	7,700	7,700	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080
Dalapon	n.v.	n.v.	18,000	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
2,4-DB	n.v.	n.v.	4,900	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B09-d05 5 1/25/05	B09-d20 20 1/25/05	B10-d20 20 1/25/05	B11-d05 5 1/25/05	B11-d10 10 1/25/05	B12-d10 10 1/25/05	B13-d10 10 1/26/05	B14-d10 10 1/26/05
Dicamba	n.v.	n.v.	18,000	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichlorprop	n.v.	n.v.	n.v.	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080
Dinoseb	n.v.	n.v.	620	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
MCPA	n.v.	n.v.	310	**3.1J**	<8	<8	**5.6J**	<8	<8	<8	<8
MCPP	n.v.	n.v.	620	<8	<8	<8	<8	<8	<8	<8	<8
2,4,5-T	550	6,100	6,200	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,5-TP (Silvex)	n.v.	n.v.	4,900	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes:
reporting limit. <: Indicates
e Table 1 for explanation. ND: Indica
bove the reporting limit. NA: Indica
s detected above at least Bold value
Bold and sl
one comp
n.v.: Comp
EPA Region 9. *: Prelimir
is less than the reporting limit. J (Organics
detected in the laboratory blank. J (Inorganic

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
Volatile Organic Compounds (mg/kg)								
Acetone	n.v.	n.v.	54,000	**0.017J**	**0.028**	**0.024J**	<0.025	**0.016J**
Benzene	n.v.	n.v.	1.4	<0.005	<0.005	<0.005	<0.005	<0.005
Bromobenzene	n.v.	n.v.	92	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	n.v.	n.v.	220	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	n.v.	n.v.	13	<0.01	<0.01	<0.01	<0.01	<0.01
2-Butanone (MEK)	n.v.	n.v.	110,000	<0.025	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	n.v.	n.v.	240	<0.005	<0.005	<0.005	<0.005	<0.005
sec-Butylbenzene	n.v.	n.v.	220	<0.005	<0.005	<0.005	<0.005	<0.005
tert-Butylbenzene	n.v.	n.v.	390	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide	n.v.	n.v.	720	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	n.v.	n.v.	0.55	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	n.v.	n.v.	530	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	n.v.	n.v.	2.6	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	n.v.	n.v.	1.8	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	n.v.	n.v.	6.5	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	n.v.	n.v.	0.47	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	n.v.	n.v.	160	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlorotoluene	n.v.	n.v.	560	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	n.v.	n.v.	0.076	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromoethane	n.v.	n.v.	0.073	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromomethane	n.v.	n.v.	230	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	310	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	n.v.	n.v.	6	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	n.v.	n.v.	0.6	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	n.v.	n.v.	410	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	n.v.	n.v.	150	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	n.v.	n.v.	230	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	n.v.	n.v.	0.74	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichloropropane	n.v.	n.v.	360	<0.005	<0.005	<0.005	<0.005	<0.005
2,2-Dichloropropane	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloropropene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	n.v.	n.v.	400	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	n.v.	n.v.	22	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	n.v.	n.v.	n.v.	<0.025	<0.025	<0.025	<0.025	<0.025
Isopropylbenzene (Cumene)	n.v.	n.v.	2,000	<0.005	<0.005	<0.005	<0.005	<0.005
p-Isopropyltoluene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene chloride	n.v.	n.v.	21	<0.005	**0.0048J,B**	**0.02B**	**0.012**	**0.015B**
4-Methyl-2-Pentanone	n.v.	n.v.	47,000	<0.025	<0.025	<0.025	<0.025	<0.025
tert-Butylmethylether (MTBE)	n.v.	n.v.	70	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	n.v.	n.v.	190	<0.005	<0.005	<0.005	<0.005	<0.005
n-Propylbenzene	n.v.	n.v.	240	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	n.v.	n.v.	1,700	<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
1,1,1,2-Tetrachloroethane	n.v.	n.v.	7.3	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	n.v.	n.v.	0.93	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene (PCE)	n.v.	n.v.	1.3	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	n.v.	n.v.	520	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,3-Trichlorobenzene	n.v.	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	n.v.	n.v.	220	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	n.v.	n.v.	1,200	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	n.v.	n.v.	1.6	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene (TCE)	n.v.	n.v.	0.11	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	n.v.	n.v.	2,000	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichloropropane	n.v.	n.v.	0.076	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorotrifluoroethane (Freon 113)	n.v.	n.v.	5,600	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trimethylbenzene	n.v.	n.v.	170	<0.005	<0.005	<0.005	<0.005	<0.005
1,3,5-Trimethylbenzene	n.v.	n.v.	70	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	n.v.	n.v.	0.75	<0.005	<0.005	<0.005	<0.005	<0.005
m&p-Xylenes	n.v.	n.v.	420	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	n.v.	n.v.	420	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
SemiVolatile Organic Compounds (mg/kg)								
Acenaphthene	n.v.	n.v.	29,000	<0.33	<0.33	<0.33	<0.33	<0.33
Acenaphthylene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
Anthracene	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	n.v.	n.v.	2.1	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	n.v.	n.v.	2.1	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	n.v.	n.v.	1.3	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	0.038	0.13	0.21	<0.33	<0.33	<0.33	<0.33	<0.33
Benzoic acid	n.v.	n.v.	100,000	<1.6	<1.6	<1.6	<1.6	<1.6
Benzyl alcohol	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethoxy) methane	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
Bis (2-chloroethyl) ether	n.v.	n.v.	0.58	<0.33	<0.33	<0.33	<0.33	<0.33
Bis(2-chloroisopropyl)ether	n.v.	n.v.	7.4	<0.33	<0.33	<0.33	<0.33	<0.33
Bis (2-ethylhexyl) phthalate	n.v.	n.v.	120	<0.33	<0.33	<0.33	<0.33	<0.33
4-Bromophenyl phenyl ether	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
Butyl benzyl phthalate	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33
Carbazole	n.v.	n.v.	86	<0.33	<0.33	<0.33	<0.33	<0.33
4-Chloroaniline	n.v.	n.v.	2,500	<0.66	<0.66	<0.66	<0.66	<0.66
4-Chloro-3-methylphenol	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
2-Chloronaphthalene	n.v.	n.v.	23,000	<0.33	<0.33	<0.33	<0.33	<0.33
2-Chlorophenol	n.v.	n.v.	2,400	<0.33	<0.33	<0.33	<0.33	<0.33
4-Chlorophenyl phenyl ether	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
Chrysene	n.v.	n.v.	13	<0.33	<0.33	<0.33	<0.33	<0.33
Dibenz (a,h) anthracene	n.v.	n.v.	0.21	<0.33	<0.33	<0.33	<0.33	<0.33

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
Dibenzofuran	n.v.	n.v.	1,600	<0.33	<0.33	<0.33	<0.33	<0.33
Di-n-butylphthalate	n.v.	n.v.	62,000	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.33	<0.33	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.33	<0.33	<0.33	<0.33	<0.33
3,3'-Dichlorobenzidine	n.v.	n.v.	3.8	<1.6	<1.6	<1.6	<1.6	<1.6
2,4-Dichlorophenol	n.v.	n.v.	1,800	<0.33	<0.33	<0.33	<0.33	<0.33
Diethyl phthalate	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	**0.13J**	<0.33
2,4-Dimethylphenol	n.v.	n.v.	12,000	<0.33	<0.33	<0.33	<0.33	<0.33
Dimethylphthalate	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33
4,6-Dinitro-2-methylphenol	n.v.	n.v.	62	<1.6	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrophenol	n.v.	n.v.	1,200	<1.6	<1.6	<1.6	<1.6	<1.6
2,4-Dinitrotoluene	n.v.	n.v.	1,200	<0.33	<0.33	<0.33	<0.33	<0.33
2,6-Dinitrotoluene	n.v.	n.v.	620	<0.33	<0.33	<0.33	<0.33	<0.33
Di-n-octylphthalate	n.v.	n.v.	25,000	<0.33	<0.33	<0.33	<0.33	<0.33
Fluoranthene	n.v.	n.v.	22,000	<0.33	<0.33	<0.33	<0.33	<0.33
Fluorene	n.v.	n.v.	26,000	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorobenzene	n.v.	n.v.	1.1	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorobutadiene	n.v.	n.v.	22	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorocyclopentadiene	n.v.	n.v.	3,700	<1.6	<1.6	<1.6	<1.6	<1.6
Hexachloroethane	n.v.	n.v.	120	<0.33	<0.33	<0.33	<0.33	<0.33
Indeno (1,2,3-cd) pyrene	n.v.	n.v.	2.1	<0.33	<0.33	<0.33	<0.33	<0.33
Isophorone	n.v.	n.v.	510	<0.33	<0.33	<0.33	<0.33	<0.33
2-Methylnaphthalene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
2-Methylphenol	n.v.	n.v.	31,000	<0.33	<0.33	<0.33	<0.33	<0.33

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
3&4-Methylphenol	n.v.	n.v.	3,100	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	n.v.	n.v.	4.2	<0.33	<0.33	<0.33	<0.33	<0.33
2-Nitroaniline	n.v.	n.v.	1,800	<1.6	<1.6	<1.6	<1.6	<1.6
3-Nitroaniline	n.v.	n.v.	82	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	n.v.	n.v.	82	<1.6	<1.6	<1.6	<1.6	<1.6
Nitrobenzene	n.v.	n.v.	100	<0.33	<0.33	<0.33	<0.33	<0.33
2-Nitrophenol	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
4-Nitrophenol	n.v.	n.v.	n.v.	<1.6	<1.6	<1.6	<1.6	<1.6
n-Nitrosodiphenylamine	n.v.	n.v.	350	<0.33	<0.33	<0.33	<0.33	<0.33
n-Nitroso-di-n-propylamine	n.v.	n.v.	0.25	<0.33	<0.33	<0.33	<0.33	<0.33
Pentachlorophenol	4.4	13	9	<1.6	<1.6	<1.6	<1.6	<1.6
Phenanthrene	n.v.	n.v.	n.v.	<0.33	<0.33	<0.33	<0.33	<0.33
Phenol	n.v.	n.v.	100,000	<0.33	<0.33	<0.33	<0.33	<0.33
Pyrene	n.v.	n.v.	29,000	<0.33	<0.33	<0.33	<0.33	<0.33
1,2,4-Trichlorobenzene	n.v.	n.v.	3,000	<0.33	<0.33	<0.33	<0.33	<0.33
2,4,5-Trichlorophenol	n.v.	n.v.	62,000	<0.33	<0.33	<0.33	<0.33	<0.33
2,4,6-Trichlorophenol	n.v.	n.v.	25	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dioxane (mg/kg)								
1,4-Dioxane	18	64	160	NA	NA	NA	NA	NA

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
PPL Metals (mg/kg)								
Antimony	30	380	410	<6	**0.78B**	<6	<6	**0.76B**
Arsenic	0.07	0.24	0.25	**0.95B**	**2.1**	**2.3**	<1	**1.7**
Beryllium	150	1,700	1,900	**0.31B,J**	**0.54J**	**0.79J**	**0.13B**	**0.51**
Cadmium	1.7	7.5	450	<0.5	<0.5	<0.5	**0.47B**	**0.39B**
Chromium	100,000	100,000	450	**12.6J**	**19.8J**	**17.5J**	**8J**	**18.1**
Copper	3,000	38,000	41,000	**9.8**	**16.8**	**21.5**	**26.8**	**16.2**
Lead	150	3,500	800	**0.96**	**2.6**	**4.4**	**3.7**	**3.7**
Mercury	18	180	310	<0.1	<0.1	<0.1	**0.038B**	<0.1
Nickel	1,600	16,000	20,000	**5.2**	**8.9**	**8.3**	**4.8**	**7.3**
Selenium	380	4,800	5,100	<0.5	**0.65**	<0.5	**0.78**	**0.89**
Silver	380	4,800	5,100	<1	<1	<1	**1.9**	<1
Thallium	5	63	67	<1	<1	<1	<1	<1
Zinc	23,000	100,000	100,000	**26.4**	**56**	**63.4**	**53.4**	**50.4**
Polychlorinated Biphenyls (mg/kg)								
Aroclor-1016	n.v.	n.v.	21	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1221	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1232	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1242	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1248	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1254	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04
Aroclor-1260	n.v.	n.v.	0.74	<0.04	<0.04	<0.04	<0.04	<0.04
Total PCBs	0.089	0.30	0.74	ND	ND	ND	ND	ND

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
Pesticides (mg/kg)								
Aldrin	0.033	0.13	0.1	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
alpha-BHC	n.v.	n.v.	0.36	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
beta-BHC	n.v.	n.v.	1.3	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
delta-BHC	n.v.	n.v.	n.v.	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
gamma-BHC (Lindane)	0.5	2	1.7	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
alpha-Chlordane	n.v.	n.v.	6.5	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
gamma-Chlordane	n.v.	n.v.	6.5	<0.002	<0.002	<0.002	<0.002	<0.002
4,4'-DDD	2.3	9	10	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
4,4'-DDE	1.6	6.3	7	<0.0033	<0.0033	<0.0033	**0.0054**	<0.0033
4,4'-DDT	1.6	6.3	7	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Dieldrin	0.035	0.13	0.11	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan I	n.v.	n.v.	3,700	<0.0017	<0.0017	<0.0017	**0.0016J**	<0.0017
Endosulfan II	n.v.	n.v.	3,700	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Endosulfan sulfate	n.v.	n.v.	n.v.	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endrin	21	230	180	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Endrin aldehyde	n.v.	n.v.	n.v.	<0.006	<0.006	<0.006	<0.006	<0.006
Heptachlor	0.13	0.52	0.38	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Heptachlor epoxide	n.v.	n.v.	0.19	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Methoxychlor	340	3,800	3,100	<0.017	<0.017	<0.017	<0.017	<0.017
Toxaphene	0.46	1.8	1.6	<0.067	<0.067	<0.067	<0.067	<0.067
Herbicides (mg/kg)								
2,4-D	690	7,700	7,700	<0.080	<0.080	<0.080	<0.080	NA
Dalapon	n.v.	n.v.	18,000	<0.040	<0.040	<0.040	<0.040	NA
2,4-DB	n.v.	n.v.	4,900	<0.080	<0.080	<0.080	<0.080	NA

TABLE 2A

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
JANUARY 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B15-d10 10 1/26/05	B16-d10 10 1/26/05	B17-d10 10 1/26/05	B18-d00 0 1/26/05	B18-d10 10 1/26/05
Dicamba	n.v.	n.v.	18,000	<0.040	<0.040	<0.040	**0.25**	NA
Dichlorprop	n.v.	n.v.	n.v.	<0.080	<0.080	<0.080	<0.080	NA
Dinoseb	n.v.	n.v.	620	<0.012	<0.012	<0.012	<0.012	NA
MCPA	n.v.	n.v.	310	<8	<8	<8	<8	NA
MCPP	n.v.	n.v.	620	<8	<8	<8	<8	NA
2,4,5-T	550	6,100	6,200	<0.020	<0.020	<0.020	<0.020	NA
2,4,5-TP (Silvex)	n.v.	n.v.	4,900	<0.020	<0.020	<0.020	<0.020	NA

s parameter was not detected at the reporting limit.
tes parameter was not detected.
tes parameter was not analyzed. See Table 1 for explanation.
s indicate concentrations detected above the reporting limit.
ıaded values indicate concentrations detected above at least
arison standard.
arison value not available.
ıary Remediation Goals (PRGs), USEPA Region 9, 2004.

:): Indicates an estimated result that is less than the reporting limit.
:s): Indicates that the paramter was detected in the laboratory blank.

TABLE 2B

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SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-51 51 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
Volatile Organic Compounds (mg/kg)											
Acetone	n.v.	n.v.	54,000	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
Benzene	n.v.	n.v.	1.4	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Bromobenzene	n.v.	n.v.	92	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Bromochloromethane	n.v.	n.v.	n.v.	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Bromoform	n.v.	n.v.	220	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Bromomethane	n.v.	n.v.	13	<0.025	<0.025	n.a.	<0.025	n.a.	<0.025	<0.025	n.a.
2-Butanone (MEK)	n.v.	n.v.	110,000	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
n-Butylbenzene	n.v.	n.v.	240	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
sec-Butylbenzene	n.v.	n.v.	220	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
tert-Butylbenzene	n.v.	n.v.	390	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Carbon Disulfide	n.v.	n.v.	720	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
Carbon tetrachloride	n.v.	n.v.	0.55	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Chlorobenzene	n.v.	n.v.	530	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Dibromochloromethane	n.v.	n.v.	2.6	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Bromodichloromethane	n.v.	n.v.	1.8	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Chloroethane	n.v.	n.v.	6.5	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Chloroform	n.v.	n.v.	0.47	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Chloromethane	n.v.	n.v.	160	<0.025	<0.025	n.a.	<0.025	n.a.	<0.025	<0.025	n.a.
2-Chlorotoluene	n.v.	n.v.	560	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
4-Chlorotoluene	n.v.	n.v.	n.v.	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,2-Dibromo-3-chloropropane	n.v.	n.v.	0.076	<0.010	<0.010	n.a.	<0.010	n.a.	<0.010	<0.010	n.a.
1,2-Dibromoethane	n.v.	n.v.	0.073	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-51 51 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
Dibromomethane	n.v.	n.v.	230	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	310	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,1-Dichloroethane	n.v.	n.v.	6	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,2-Dichloroethane	n.v.	n.v.	0.6	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,1-Dichloroethene	n.v.	n.v.	410	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
cis-1,2-Dichloroethene	n.v.	n.v.	150	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
trans-1,2-Dichloroethene	n.v.	n.v.	230	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,2-Dichloropropane	n.v.	n.v.	0.74	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,3-Dichloropropane	n.v.	n.v.	360	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
2,2-Dichloropropane	n.v.	n.v.	n.v.	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,1-Dichloropropene	n.v.	n.v.	n.v.	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
cis-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
trans-1,3-Dichloropropene	n.v.	n.v.	1.8	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Ethylbenzene	n.v.	n.v.	400	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
2-Hexanone	n.v.	n.v.	n.v.	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
Isopropylbenzene (Cumene)	n.v.	n.v.	2,000	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
p-Isopropyltoluene	n.v.	n.v.	n.v.	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Methylene chloride	n.v.	n.v.	21	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
4-Methyl-2-Pentanone	n.v.	n.v.	47,000	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
tert-Butylmethylether (MTBE)	n.v.	n.v.	70	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-51 51 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
Naphthalene	n.v.	n.v.	190	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
n-Propylbenzene	n.v.	n.v.	240	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Styrene	n.v.	n.v.	1,700	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,1,1,2-Tetrachloroethane	n.v.	n.v.	7.3	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,1,2,2-Tetrachloroethane	n.v.	n.v.	0.93	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Tetrachloroethene (PCE)	n.v.	n.v.	1.3	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Toluene	n.v.	n.v.	520	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,2,3-Trichlorobenzene	n.v.	n.v.	n.v.	<0.010	<0.010	n.a.	<0.010	n.a.	<0.010	<0.010	n.a.
1,2,4-Trichlorobenzene	n.v.	n.v.	220	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,1,1-Trichloroethane	n.v.	n.v.	1,200	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,1,2-Trichloroethane	n.v.	n.v.	1.6	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Trichloroethene (TCE)	n.v.	n.v.	0.11	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Trichlorofluoromethane	n.v.	n.v.	2,000	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
1,2,3-Trichloropropane	n.v.	n.v.	0.076	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Trichlorotrifluoroethane (Freon 113)	n.v.	n.v.	5,600	<0.050	<0.050	n.a.	<0.050	n.a.	<0.050	<0.050	n.a.
1,2,4-Trimethylbenzene	n.v.	n.v.	170	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
1,3,5-Trimethylbenzene	n.v.	n.v.	70	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
Vinyl chloride	n.v.	n.v.	0.75	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
m&p-Xylenes	n.v.	n.v.	420	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
o-Xylene	n.v.	n.v.	420	<0.005	<0.005	n.a.	<0.005	n.a.	<0.005	<0.005	n.a.
SemiVolatile Organic Compounds (mg/kg)											
Acenaphthene	n.v.	n.v.	29,000	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Acenaphthylene	n.v.	n.v.	n.v.	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-51 51 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
Anthracene	n.v.	n.v.	100,000	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(a)anthracene	n.v.	n.v.	2.1	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(b)fluoranthene	n.v.	n.v.	2.1	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(k)fluoranthene	n.v.	n.v.	1.3	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(g,h,i)perylene	n.v.	n.v.	n.v.	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(a)pyrene	0.038	0.13	0.21	<0.35	n.a.	n.a.	<0.35	<0.35	<0.35	<0.35	<0.35
Benzoic acid	n.v.	n.v.	100,000	<2.5	n.a.	n.a.	<2.5	<2.5	<2.5	<2.5	<2.5
Benzyl alcohol	n.v.	n.v.	100,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Bis (2-chloroethoxy) methane	n.v.	n.v.	n.v.	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Bis (2-chloroethyl) ether	n.v.	n.v.	0.58	<2.5	n.a.	n.a.	<2.5	<2.5	<2.5	<2.5	<2.5
Bis(2-chloroisopropyl)ether	n.v.	n.v.	7.4	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Bis (2-ethylhexyl) phthalate	n.v.	n.v.	120	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
4-Bromophenyl phenyl ether	n.v.	n.v.	n.v.	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Butyl benzyl phthalate	n.v.	n.v.	100,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chloroaniline	n.v.	n.v.	2,500	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chloro-3-methylphenol	n.v.	n.v.	n.v.	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2-Chloronaphthalene	n.v.	n.v.	23,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2-Chlorophenol	n.v.	n.v.	2,400	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chlorophenyl phenyl ether	n.v.	n.v.	n.v.	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Chrysene	n.v.	n.v.	13	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Dibenz (a,h) anthracene	n.v.	n.v.	0.21	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Dibenzofuran	n.v.	n.v.	1,600	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Di-n-butylphthalate	n.v.	n.v.	62,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-51 51 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
1,2-Dichlorobenzene	n.v.	n.v.	600	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	n.v.	n.v.	600	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	n.v.	n.v.	7.9	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-Dichlorobenzidine	n.v.	n.v.	3.8	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dichlorophenol	n.v.	n.v.	1,800	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	n.v.	n.v.	100,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dimethylphenol	n.v.	n.v.	12,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethylphthalate	n.v.	n.v.	100,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
4,6-Dinitro-2-methylphenol	n.v.	n.v.	62	<2.5	n.a.	n.a.	<2.5	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrophenol	n.v.	n.v.	1,200	<2.5	n.a.	n.a.	<2.5	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrotoluene	n.v.	n.v.	1,200	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2,6-Dinitrotoluene	n.v.	n.v.	620	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Di-n-octylphthalate	n.v.	n.v.	25,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoranthene	n.v.	n.v.	22,000	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Fluorene	n.v.	n.v.	26,000	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Hexachlorobenzene	n.v.	n.v.	1.1	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorocyclopentadiene	n.v.	n.v.	3,700	<1.5	n.a.	n.a.	<1.5	<1.5	<1.5	<1.5	<1.5
Hexachloroethane	n.v.	n.v.	120	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Indeno (1,2,3-cd) pyrene	n.v.	n.v.	2.1	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Isophorone	n.v.	n.v.	510	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2-Methylnaphthalene	n.v.	n.v.	n.v.	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
2-Methylphenol	n.v.	n.v.	31,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
3&4-Methylphenol	n.v.	n.v.	3,100	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-5151 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
Naphthalene	n.v.	n.v.	4.2	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
2-Nitroaniline	n.v.	n.v.	1,800	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
3-Nitroaniline	n.v.	n.v.	82	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
4-Nitroaniline	n.v.	n.v.	82	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Nitrobenzene	n.v.	n.v.	100	<2.5	n.a.	n.a.	<2.5	<2.5	<2.5	<2.5	<2.5
2-Nitrophenol	n.v.	n.v.	n.v.	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
4-Nitrophenol	n.v.	n.v.	n.v.	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
n-Nitrosodiphenylamine	n.v.	n.v.	350	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
n-Nitroso-di-n-propylamine	n.v.	n.v.	0.25	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	4.4	13	9	<2.5	n.a.	n.a.	<2.5	<2.5	<2.5	<2.5	<2.5
Phenanthrene	n.v.	n.v.	n.v.	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
Phenol	n.v.	n.v.	100,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
Pyrene	n.v.	n.v.	29,000	<0.40	n.a.	n.a.	<0.40	<0.40	<0.40	<0.40	<0.40
1,2,4-Trichlorobenzene	n.v.	n.v.	3,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,5-Trichlorophenol	n.v.	n.v.	62,000	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,6-Trichlorophenol	n.v.	n.v.	25	<0.50	n.a.	n.a.	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dioxane (mg/kg)											
1,4-Dioxane	18	64	160	n.a.	n.a.	<0.20	n.a.	n.a.	n.a.	n.a.	n.a.
PPL Metals (mg/kg)											
Antimony	30	380	410	<0.750	n.a.	n.a.	<0.750	<0.750	<0.750	<0.750	<0.750
Arsenic	0.07	0.24	0.25	**0.96**	n.a.	n.a.	**0.800**	<0.750	**1.11**	**0.950**	**0.905**
Beryllium	150	1,700	1,900	<0.250	n.a.	n.a.	<0.250	<0.250	**0.330**	**0.325**	<0.250
Cadmium	1.7	7.5	450	<0.500	n.a.	n.a.	<0.500	<0.500	<0.500	**0.866**	<0.500

TABLE 2B

Privileged & Confidential

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-5151 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
Chromium	100,000	100,000	450	**8.29**	n.a.	n.a.	**8.68**	**7.29**	**10.9**	**13.4**	**6.23**
Copper	3,000	38,000	41,000	**8.68**	n.a.	n.a.	**35.0**	**14.3**	**9.99**	**10.3**	**18.3**
Lead	150	3,500	800	**3.55**	n.a.	n.a.	**4.78**	**4.87**	**3.74**	**2.79**	**3.61**
Mercury	18	180	310	<0.0835	n.a.	n.a.	<0.0835	**0.107**	<0.0835	<0.0835	<0.0835
Nickel	1,600	16,000	20,000	**4.58**	n.a.	n.a.	**4.88**	**4.14**	**5.55**	**6.11**	**3.99**
Selenium	380	4,800	5,100	<0.750	n.a.	n.a.	<0.750	<0.750	<0.750	<0.750	<0.750
Silver	380	4,800	5,100	<0.250	n.a.	n.a.	**1.70**	**0.675**	<0.250	<0.250	**0.668**
Thallium	5	63	67	<0.750	n.a.	n.a.	<0.750	<0.750	<0.750	<0.750	<0.750
Zinc	23,000	100,000	100,000	**34.5**	n.a.	n.a.	**53.2**	**36.1**	**40.8**	**70.6**	**46.3**
Polychlorinated Biphenyls (mg/kg)											
Aroclor-1016	n.v.	n.v.	21	<0.050	n.a.	n.a.	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1221	n.v.	n.v.	0.74	<0.050	n.a.	n.a.	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1232	n.v.	n.v.	0.74	<0.050	n.a.	n.a.	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1242	n.v.	n.v.	0.74	<0.050	n.a.	n.a.	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1248	n.v.	n.v.	0.74	<0.050	n.a.	n.a.	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1254	n.v.	n.v.	0.74	<0.050	n.a.	n.a.	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1260	n.v.	n.v.	0.74	<0.050	n.a.	n.a.	<0.050	<0.050	<0.050	<0.050	<0.050
Total PCBs	0.089	0.30	0.74	ND	n.a.	n.a.	ND	ND	ND	ND	ND
Pesticides (mg/kg)											
Aldrin	0.033	0.13	0.1	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
alpha-BHC	n.v.	n.v.	0.36	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
beta-BHC	n.v.	n.v.	1.3	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
delta-BHC	n.v.	n.v.	n.v.	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-51 51 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
gamma-BHC (Lindane)	0.5	2	1.7	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Chlordane	n.v.	n.v.	6.5	<0.05	n.a.	n.a.	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	2.3	9	10	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
4,4'-DDE	1.6	6.3	7	**0.034**	n.a.	n.a.	**0.018**	**0.054**	<0.005	<0.005	<0.005
4,4'-DDT	1.6	6.3	7	**0.0074**	n.a.	n.a.	<0.005	**0.0092**	<0.005	<0.005	<0.005
Dieldrin	0.035	0.13	0.11	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Endrin	21	230	180	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Endrin aldehyde	n.v.	n.v.	n.v.	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan I	n.v.	n.v.	3,700	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan II	n.v.	n.v.	3,700	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan sulfate	n.v.	n.v.	n.v.	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor	0.13	0.52	0.38	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	n.v.	n.v.	0.19	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Methoxychlor	340	3,800	3,100	<0.005	n.a.	n.a.	<0.005	<0.005	<0.005	<0.005	<0.005
Toxaphene	0.46	1.8	1.6	**0.110**	n.a.	n.a.	<0.100	**0.17**	<0.100	<0.100	<0.100
Herbicides (mg/kg)											
2,4-D	690	7,700	7,700	<0.1	n.a.	n.a.	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon	n.v.	n.v.	18,000	<0.25	n.a.	n.a.	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-DB	n.v.	n.v.	4,900	<0.1	n.a.	n.a.	<0.1	<0.1	<0.1	<0.1	<0.1
Dicamba	n.v.	n.v.	18,000	<0.01	n.a.	n.a.	<0.01	<0.01	<0.01	<0.01	<0.01
Dichlorprop	n.v.	n.v.	n.v.	<0.1	n.a.	n.a.	<0.1	<0.1	<0.1	<0.1	<0.1
Dinoseb	n.v.	n.v.	620	<0.05	n.a.	n.a.	<0.05	<0.05	<0.05	<0.05	<0.05
MCPP	n.v.	n.v.	620	<10	n.a.	n.a.	<10	<10	<10	<10	<10

TABLE 2B

Privileged & Confidential

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	EPA PRGs Industrial Soil* (mg/kg)	B-01-01 0-2 4/11/05	B-05-01 0-2 4/11/05	B-05A-5151 4/14/05	B-06-01 0-2 4/11/05	B-07-01 0-2 4/11/05	B-09-01 0-2 4/11/05	B-09-20 18-20 4/11/05	B-10-01 0-2 4/11/05
MCPA	n.v.	n.v.	310	<10	n.a.	n.a.	<10	<10	<10	<10	<10
2,4,5-T	550	6,100	6,200	<0.01	n.a.	n.a.	<0.01	<0.01	<0.01	<0.01	<0.01
2,4,5-TP (Silvex)	n.v.	n.v.	4,900	<0.01	n.a.	n.a.	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:

<: Indicates parameter was not detected at the reporting limit.

ND: Indicates parameter was not detected.

Bold values indicate concentrations detected above the reporting limit.

Bold and shaded values indicate concentrations detected above at least one comparison standard.

n.v.: Comparison value not available.

*: Preliminary Remediation Goals (PRGs), USEPA Region 9, 2004.

**: Office of Environmental Health Hazard Assessment (OEHHA), Soil-Screening Levels (SSLs), January 2005 Revised.

n.a.: Indicates parameter was not analyzed.

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
Volatile Organic Compounds (mg/kg)											
Acetone	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
Benzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Bromobenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Bromochloromethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Bromoform	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Bromomethane	n.v.	n.v.	n.a.	<0.025	n.a.	n.a.	<0.025	n.a.	n.a.	<0.025	<0.025
2-Butanone (MEK)	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
n-Butylbenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
sec-Butylbenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
tert-Butylbenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Carbon Disulfide	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
Carbon tetrachloride	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Chlorobenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Dibromochloromethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Bromodichloromethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Chloroethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Chloroform	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Chloromethane	n.v.	n.v.	n.a.	<0.025	n.a.	n.a.	<0.025	n.a.	n.a.	<0.025	<0.025
2-Chlorotoluene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
4-Chlorotoluene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,2-Dibromo-3-chloropropane	n.v.	n.v.	n.a.	<0.010	n.a.	n.a.	<0.010	n.a.	n.a.	<0.010	<0.010
1,2-Dibromoethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
Dibromomethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,2-Dichlorobenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,3-Dichlorobenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,4-Dichlorobenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,1-Dichloroethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,2-Dichloroethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,1-Dichloroethene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
cis-1,2-Dichloroethene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
trans-1,2-Dichloroethene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,2-Dichloropropane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,3-Dichloropropane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
2,2-Dichloropropane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,1-Dichloropropene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
cis-1,3-Dichloropropene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
trans-1,3-Dichloropropene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Ethylbenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
2-Hexanone	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
Isopropylbenzene (Cumene)	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
p-Isopropyltoluene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Methylene chloride	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
4-Methyl-2-Pentanone	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
tert-Butylmethylether (MTBE)	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
Naphthalene	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
n-Propylbenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Styrene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,1,1,2-Tetrachloroethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,1,2,2-Tetrachloroethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Tetrachloroethene (PCE)	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Toluene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,2,3-Trichlorobenzene	n.v.	n.v.	n.a.	<0.010	n.a.	n.a.	<0.010	n.a.	n.a.	<0.010	<0.010
1,2,4-Trichlorobenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,1,1-Trichloroethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,1,2-Trichloroethane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Trichloroethene (TCE)	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Trichlorofluoromethane	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
1,2,3-Trichloropropane	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Trichlorotrifluoroethane (Freon 113)	n.v.	n.v.	n.a.	<0.050	n.a.	n.a.	<0.050	n.a.	n.a.	<0.050	<0.050
1,2,4-Trimethylbenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
1,3,5-Trimethylbenzene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
Vinyl chloride	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
m&p-Xylenes	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
o-Xylene	n.v.	n.v.	n.a.	<0.005	n.a.	n.a.	<0.005	n.a.	n.a.	<0.005	<0.005
SemiVolatile Organic Compounds (mg/kg)											
Acenaphthene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acenaphthylene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40

TABLE 2B

Privileged & Confidential

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
Anthracene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(a)anthracene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(b)fluoranthene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(k)fluoranthene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(g,h,i)perylene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Benzo(a)pyrene	0.038	0.13	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Benzoic acid	n.v.	n.v.	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Benzyl alcohol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis (2-chloroethoxy) methane	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis (2-chloroethyl) ether	n.v.	n.v.	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bis(2-chloroisopropyl)ether	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis (2-ethylhexyl) phthalate	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Bromophenyl phenyl ether	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Butyl benzyl phthalate	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chloroaniline	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chloro-3-methylphenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Chloronaphthalene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Chlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chlorophenyl phenyl ether	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chrysene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Dibenz (a,h) anthracene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Dibenzofuran	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Di-n-butylphthalate	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
1,2-Dichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-Dichlorobenzidine	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dichlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dimethylphenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethylphthalate	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4,6-Dinitro-2-methylphenol	n.v.	n.v.	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrophenol	n.v.	n.v.	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrotoluene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,6-Dinitrotoluene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Di-n-octylphthalate	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoranthene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Fluorene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Hexachlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorocyclopentadiene	n.v.	n.v.	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Hexachloroethane	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Indeno (1,2,3-cd) pyrene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Isophorone	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Methylnaphthalene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	**0.63**	<0.40	<0.40
2-Methylphenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3&4-Methylphenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
Naphthalene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
2-Nitroaniline	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3-Nitroaniline	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Nitroaniline	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Nitrobenzene	n.v.	n.v.	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Nitrophenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Nitrophenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Nitrosodiphenylamine	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Nitroso-di-n-propylamine	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	4.4	13	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Phenanthrene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Phenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pyrene	n.v.	n.v.	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,2,4-Trichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,5-Trichlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,6-Trichlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dioxane (mg/kg)											
1,4-Dioxane	18	64	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
PPL Metals (mg/kg)											
Antimony	30	380	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750
Arsenic	0.07	0.24	**0.765**	**1.10**	<0.750	**0.880**	**1.00**	**0.980**	**0.880**	**1.19**	**1.40**
Beryllium	150	1,700	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	**0.294**	**0.329**
Cadmium	1.7	7.5	<0.500	<0.500	<0.500	<0.500	**0.569**	<0.500	<0.500	<0.500	**0.728**

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
Chromium	100,000	100,000	**9.73**	**8.76**	**6.95**	**8.46**	**8.72**	**7.82**	**7.02**	**10.8**	**15.7**
Copper	3,000	38,000	**9.77**	**26.5**	**9.95**	**24.4**	**22.8**	**21.0**	**24.2**	**8.66**	**13.1**
Lead	150	3,500	**3.82**	**5.67**	**4.20**	**5.17**	**5.35**	**4.53**	**3.75**	**3.73**	**3.24**
Mercury	18	180	<0.0835	<0.0835	<0.0835	**0.0968**	**0.0939**	<0.0835	<0.0835	<0.0835	<0.0835
Nickel	1,600	16,000	**4.98**	**4.85**	**3.88**	**5.22**	**5.18**	**4.84**	**4.11**	**5.55**	**10.2**
Selenium	380	4,800	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750
Silver	380	4,800	<0.250	**1.71**	<0.250	**1.82**	**1.98**	**0.652**	<0.250	<0.250	**0.295**
Thallium	5	63	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750
Zinc	23,000	100,000	**36.6**	**62.0**	**32.5**	**57.6**	**54.0**	**51.3**	**57.8**	**37.1**	**62.3**
Polychlorinated Biphenyls (mg/kg)											
Aroclor-1016	n.v.	n.v.	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1221	n.v.	n.v.	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1232	n.v.	n.v.	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1242	n.v.	n.v.	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1248	n.v.	n.v.	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1254	n.v.	n.v.	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1260	n.v.	n.v.	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total PCBs	0.089	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (mg/kg)											
Aldrin	0.033	0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
alpha-BHC	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
beta-BHC	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
delta-BHC	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
gamma-BHC (Lindane)	0.5	2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlordane	n.v.	n.v.	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	2.3	9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4,4'-DDE	1.6	6.3	**0.0083**	<0.005	<0.005	**0.0072**	**0.058**	**0.028**	**0.0084**	**0.0089**	<0.005
4,4'-DDT	1.6	6.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dieldrin	0.035	0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endrin	21	230	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endrin aldehyde	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan I	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan II	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan sulfate	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor	0.13	0.52	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	n.v.	n.v.	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methoxychlor	340	3,800	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toxaphene	0.46	1.8	<0.100	<0.100	<0.100	<0.100	**0.180**	<0.100	<0.100	<0.100	<0.100
Herbicides (mg/kg)											
2,4-D	690	7,700	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon	n.v.	n.v.	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-DB	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dicamba	n.v.	n.v.	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dichlorprop	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dinoseb	n.v.	n.v.	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MCPP	n.v.	n.v.	<10	<10	<10	<10	<10	<10	<10	<10	<10

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-11-01 0-2 4/11/05	B-12-01 0-2 4/11/05	B-13-01 0-2 4/11/05	B-14-01 0-2 4/11/05	B-15-01 0-2 4/11/05	B-16-01 0-2 4/11/05	B-17-01 0-2 4/11/05	B-19-01 0-2 4/11/05	B-19-20 18-20 4/11/05
MCPA	n.v.	n.v.	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-T	550	6,100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4,5-TP (Silvex)	n.v.	n.v.	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:

<: Indicates parameter was not detected at the reporting limit.

ND: Indicates parameter was not detected.

Bold values indicate concentrations detected above the reporting limit.

Bold and shaded values indicate concentrations detected above at least one comparison standard.

n.v.: Comparison value not available.

*: Preliminary Remediation Goals (PRGs), USEPA Region 9, 2004.

**: Office of Environmental Health Hazard Assessment (OEHHA), Soil-Screening Levels (SSLs), January 2005 Revised.

n.a.: Indicates parameter was not analyzed.

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
Volatile Organic Compounds (mg/kg)					
Acetone	n.v.	n.v.	<0.050	<0.050	<0.050
Benzene	n.v.	n.v.	<0.005	<0.005	<0.005
Bromobenzene	n.v.	n.v.	<0.005	<0.005	<0.005
Bromochloromethane	n.v.	n.v.	<0.005	<0.005	<0.005
Bromoform	n.v.	n.v.	<0.005	<0.005	<0.005
Bromomethane	n.v.	n.v.	<0.025	<0.025	<0.025
2-Butanone (MEK)	n.v.	n.v.	<0.050	<0.050	<0.050
n-Butylbenzene	n.v.	n.v.	<0.005	<0.005	<0.005
sec-Butylbenzene	n.v.	n.v.	<0.005	<0.005	<0.005
tert-Butylbenzene	n.v.	n.v.	<0.005	<0.005	<0.005
Carbon Disulfide	n.v.	n.v.	<0.050	<0.050	<0.050
Carbon tetrachloride	n.v.	n.v.	<0.005	<0.005	<0.005
Chlorobenzene	n.v.	n.v.	<0.005	<0.005	<0.005
Dibromochloromethane	n.v.	n.v.	<0.005	<0.005	<0.005
Bromodichloromethane	n.v.	n.v.	<0.005	<0.005	<0.005
Chloroethane	n.v.	n.v.	<0.005	<0.005	<0.005
Chloroform	n.v.	n.v.	<0.005	<0.005	<0.005
Chloromethane	n.v.	n.v.	<0.025	<0.025	<0.025
2-Chlorotoluene	n.v.	n.v.	<0.005	<0.005	<0.005
4-Chlorotoluene	n.v.	n.v.	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	n.v.	n.v.	<0.010	<0.010	<0.010
1,2-Dibromoethane	n.v.	n.v.	<0.005	<0.005	<0.005

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
Dibromomethane	n.v.	n.v.	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	n.v.	n.v.	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	n.v.	n.v.	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	n.v.	n.v.	<0.005	<0.005	<0.005
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	<0.005	<0.005	<0.005
1,1-Dichloroethane	n.v.	n.v.	<0.005	<0.005	<0.005
1,2-Dichloroethane	n.v.	n.v.	<0.005	<0.005	<0.005
1,1-Dichloroethene	n.v.	n.v.	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	n.v.	n.v.	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	n.v.	n.v.	<0.005	<0.005	<0.005
1,2-Dichloropropane	n.v.	n.v.	<0.005	<0.005	<0.005
1,3-Dichloropropane	n.v.	n.v.	<0.005	<0.005	<0.005
2,2-Dichloropropane	n.v.	n.v.	<0.005	<0.005	<0.005
1,1-Dichloropropene	n.v.	n.v.	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	n.v.	n.v.	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	n.v.	n.v.	<0.005	<0.005	<0.005
Ethylbenzene	n.v.	n.v.	<0.005	<0.005	<0.005
2-Hexanone	n.v.	n.v.	<0.050	<0.050	<0.050
Isopropylbenzene (Cumene)	n.v.	n.v.	<0.005	<0.005	<0.005
p-Isopropyltoluene	n.v.	n.v.	<0.005	<0.005	<0.005
Methylene chloride	n.v.	n.v.	<0.050	<0.050	<0.050
4-Methyl-2-Pentanone	n.v.	n.v.	<0.050	<0.050	<0.050
tert-Butylmethylether (MTBE)	n.v.	n.v.	<0.005	<0.005	<0.005

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
Naphthalene	n.v.	n.v.	<0.050	<0.050	<0.050
n-Propylbenzene	n.v.	n.v.	<0.005	<0.005	<0.005
Styrene	n.v.	n.v.	<0.005	<0.005	<0.005
1,1,1,2-Tetrachloroethane	n.v.	n.v.	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	n.v.	n.v.	<0.005	<0.005	<0.005
Tetrachloroethene (PCE)	n.v.	n.v.	<0.005	<0.005	<0.005
Toluene	n.v.	n.v.	<0.005	<0.005	<0.005
1,2,3-Trichlorobenzene	n.v.	n.v.	<0.010	<0.010	<0.010
1,2,4-Trichlorobenzene	n.v.	n.v.	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	n.v.	n.v.	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	n.v.	n.v.	<0.005	<0.005	<0.005
Trichloroethene (TCE)	n.v.	n.v.	<0.005	<0.005	<0.005
Trichlorofluoromethane	n.v.	n.v.	<0.050	<0.050	<0.050
1,2,3-Trichloropropane	n.v.	n.v.	<0.005	<0.005	<0.005
Trichlorotrifluoroethane (Freon 113)	n.v.	n.v.	<0.050	<0.050	<0.050
1,2,4-Trimethylbenzene	n.v.	n.v.	<0.005	<0.005	<0.005
1,3,5-Trimethylbenzene	n.v.	n.v.	<0.005	<0.005	<0.005
Vinyl chloride	n.v.	n.v.	<0.005	<0.005	<0.005
m&p-Xylenes	n.v.	n.v.	<0.005	<0.005	<0.005
o-Xylene	n.v.	n.v.	<0.005	<0.005	<0.005
SemiVolatile Organic Compounds (mg/kg)					
Acenaphthene	n.v.	n.v.	<0.40	<0.40	<0.40
Acenaphthylene	n.v.	n.v.	<0.40	<0.40	<0.40

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
Anthracene	n.v.	n.v.	<0.40	<0.40	<0.40
Benzo(a)anthracene	n.v.	n.v.	<0.40	<0.40	<0.40
Benzo(b)fluoranthene	n.v.	n.v.	<0.40	<0.40	<0.40
Benzo(k)fluoranthene	n.v.	n.v.	<0.40	<0.40	<0.40
Benzo(g,h,i)perylene	n.v.	n.v.	<0.40	<0.40	<0.40
Benzo(a)pyrene	0.038	0.13	<0.35	<0.35	<0.35
Benzoic acid	n.v.	n.v.	<2.5	<2.5	<2.5
Benzyl alcohol	n.v.	n.v.	<0.50	<0.50	<0.50
Bis (2-chloroethoxy) methane	n.v.	n.v.	<0.50	<0.50	<0.50
Bis (2-chloroethyl) ether	n.v.	n.v.	<2.5	<2.5	<2.5
Bis(2-chloroisopropyl)ether	n.v.	n.v.	<0.50	<0.50	<0.50
Bis (2-ethylhexyl) phthalate	n.v.	n.v.	<0.50	<0.50	<0.50
4-Bromophenyl phenyl ether	n.v.	n.v.	<0.50	<0.50	<0.50
Butyl benzyl phthalate	n.v.	n.v.	<0.50	<0.50	<0.50
4-Chloroaniline	n.v.	n.v.	<0.50	<0.50	<0.50
4-Chloro-3-methylphenol	n.v.	n.v.	<0.50	<0.50	<0.50
2-Chloronaphthalene	n.v.	n.v.	<0.50	<0.50	<0.50
2-Chlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50
4-Chlorophenyl phenyl ether	n.v.	n.v.	<0.50	<0.50	<0.50
Chrysene	n.v.	n.v.	<0.40	<0.40	<0.40
Dibenz (a,h) anthracene	n.v.	n.v.	<0.40	<0.40	<0.40
Dibenzofuran	n.v.	n.v.	<0.50	<0.50	<0.50
Di-n-butylphthalate	n.v.	n.v.	<0.50	<0.50	<0.50

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
1,2-Dichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50
3,3'-Dichlorobenzidine	n.v.	n.v.	<0.50	<0.50	<0.50
2,4-Dichlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50
Diethyl phthalate	n.v.	n.v.	<0.50	<0.50	<0.50
2,4-Dimethylphenol	n.v.	n.v.	<0.50	<0.50	<0.50
Dimethylphthalate	n.v.	n.v.	<0.50	<0.50	<0.50
4,6-Dinitro-2-methylphenol	n.v.	n.v.	<2.5	<2.5	<2.5
2,4-Dinitrophenol	n.v.	n.v.	<2.5	<2.5	<2.5
2,4-Dinitrotoluene	n.v.	n.v.	<0.50	<0.50	<0.50
2,6-Dinitrotoluene	n.v.	n.v.	<0.50	<0.50	<0.50
Di-n-octylphthalate	n.v.	n.v.	<0.50	<0.50	<0.50
Fluoranthene	n.v.	n.v.	<0.40	<0.40	<0.40
Fluorene	n.v.	n.v.	<0.40	<0.40	<0.40
Hexachlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50
Hexachlorocyclopentadiene	n.v.	n.v.	<1.5	<1.5	<1.5
Hexachloroethane	n.v.	n.v.	<0.50	<0.50	<0.50
Indeno (1,2,3-cd) pyrene	n.v.	n.v.	<0.40	<0.40	<0.40
Isophorone	n.v.	n.v.	<0.50	<0.50	<0.50
2-Methylnaphthalene	n.v.	n.v.	<0.40	<0.40	<0.40
2-Methylphenol	n.v.	n.v.	<0.50	<0.50	<0.50
3&4-Methylphenol	n.v.	n.v.	<0.50	<0.50	<0.50

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
Naphthalene	n.v.	n.v.	<0.40	<0.40	<0.40
2-Nitroaniline	n.v.	n.v.	<0.50	<0.50	<0.50
3-Nitroaniline	n.v.	n.v.	<0.50	<0.50	<0.50
4-Nitroaniline	n.v.	n.v.	<0.50	<0.50	<0.50
Nitrobenzene	n.v.	n.v.	<2.5	<2.5	<2.5
2-Nitrophenol	n.v.	n.v.	<0.50	<0.50	<0.50
4-Nitrophenol	n.v.	n.v.	<0.50	<0.50	<0.50
n-Nitrosodiphenylamine	n.v.	n.v.	<0.50	<0.50	<0.50
n-Nitroso-di-n-propylamine	n.v.	n.v.	<0.50	<0.50	<0.50
Pentachlorophenol	4.4	13	<2.5	<2.5	<2.5
Phenanthrene	n.v.	n.v.	<0.40	<0.40	<0.40
Phenol	n.v.	n.v.	<0.50	<0.50	<0.50
Pyrene	n.v.	n.v.	<0.40	<0.40	<0.40
1,2,4-Trichlorobenzene	n.v.	n.v.	<0.50	<0.50	<0.50
2,4,5-Trichlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50
2,4,6-Trichlorophenol	n.v.	n.v.	<0.50	<0.50	<0.50
1,4-Dioxane (mg/kg)					
1,4-Dioxane	18	64	n.a.	n.a.	n.a.
PPL Metals (mg/kg)					
Antimony	30	380	<0.750	<0.750	<0.750
Arsenic	0.07	0.24	<0.750	**1.05**	**1.23**
Beryllium	150	1,700	<0.250	**0.298**	**0.291**
Cadmium	1.7	7.5	<0.500	<0.500	**0.531**

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
Chromium	100,000	100,000	**8.07**	**10.5**	**12.8**
Copper	3,000	38,000	**7.83**	**8.45**	**15.0**
Lead	150	3,500	**2.48**	**3.38**	**6.42**
Mercury	18	180	<0.0835	<0.0835	<0.0835
Nickel	1,600	16,000	**4.46**	**4.73**	**7.01**
Selenium	380	4,800	<0.750	<0.750	<0.750
Silver	380	4,800	<0.250	<0.250	**0.289**
Thallium	5	63	<0.750	<0.750	<0.750
Zinc	23,000	100,000	**32.4**	**47.7**	**56.4**
Polychlorinated Biphenyls (mg/kg)					
Aroclor-1016	n.v.	n.v.	<0.050	<0.050	<0.050
Aroclor-1221	n.v.	n.v.	<0.050	<0.050	<0.050
Aroclor-1232	n.v.	n.v.	<0.050	<0.050	<0.050
Aroclor-1242	n.v.	n.v.	<0.050	<0.050	<0.050
Aroclor-1248	n.v.	n.v.	<0.050	<0.050	<0.050
Aroclor-1254	n.v.	n.v.	<0.050	<0.050	<0.050
Aroclor-1260	n.v.	n.v.	<0.050	<0.050	<0.050
Total PCBs	0.089	0.30	ND	ND	ND
Pesticides (mg/kg)					
Aldrin	0.033	0.13	<0.005	<0.005	<0.005
alpha-BHC	n.v.	n.v.	<0.005	<0.005	<0.005
beta-BHC	n.v.	n.v.	<0.005	<0.005	<0.005
delta-BHC	n.v.	n.v.	<0.005	<0.005	<0.005

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
gamma-BHC (Lindane)	0.5	2	<0.005	<0.005	<0.005
Chlordane	n.v.	n.v.	<0.05	<0.05	<0.05
4,4'-DDD	2.3	9	<0.005	<0.005	<0.005
4,4'-DDE	1.6	6.3	**0.029**	<0.005	**0.038**
4,4'-DDT	1.6	6.3	<0.005	<0.005	<0.005
Dieldrin	0.035	0.13	<0.005	<0.005	<0.005
Endrin	21	230	<0.005	<0.005	<0.005
Endrin aldehyde	n.v.	n.v.	<0.005	<0.005	<0.005
Endosulfan I	n.v.	n.v.	<0.005	<0.005	<0.005
Endosulfan II	n.v.	n.v.	<0.005	<0.005	<0.005
Endosulfan sulfate	n.v.	n.v.	<0.005	<0.005	<0.005
Heptachlor	0.13	0.52	<0.005	<0.005	<0.005
Heptachlor epoxide	n.v.	n.v.	<0.005	<0.005	<0.005
Methoxychlor	340	3,800	<0.005	<0.005	<0.005
Toxaphene	0.46	1.8	<0.100	<0.100	<0.100
Herbicides (mg/kg)					
2,4-D	690	7,700	<0.1	<0.1	<0.1
Dalapon	n.v.	n.v.	<0.25	<0.25	<0.25
2,4-DB	n.v.	n.v.	<0.1	<0.1	<0.1
Dicamba	n.v.	n.v.	<0.01	<0.01	<0.01
Dichlorprop	n.v.	n.v.	<0.1	<0.1	<0.1
Dinoseb	n.v.	n.v.	<0.05	<0.05	<0.05
MCPP	n.v.	n.v.	<10	<10	<10

TABLE 2B

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	OEHHA SSL Residential Scenario** (mg/kg)	OEHHA SSL Commercial /Industrial Scenario** (mg/kg)	B-20-01 0-2 4/11/05	B-20-20 18-20 4/11/05	SWS-01 0.1 4/11/05
MCPA	n.v.	n.v.	<10	<10	<10
2,4,5-T	550	6,100	<0.01	<0.01	<0.01
2,4,5-TP (Silvex)	n.v.	n.v.	<0.01	<0.01	<0.01

Notes:
<: Indicates parameter was not detected at the reporting limit.
ND: Indicates parameter was not detected.
Bold values indicate concentrations detected above the reporting limit.
Bold and shaded values indicate concentrations detected above at least one comparison standard.
n.v.: Comparison value not available.
*: Preliminary Remediation Goals (PRGs), USEPA Region 9, 2004.
**: Office of Environmental Health Hazard Assessment (OEHHA), Soil-Screening Levels (SSLs), January 2005 Revised.
n.a.: Indicates parameter was not analyzed.

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
Volatile Organic Compounds (ug/L)									
Acetone	n.v.	n.v.	**3.2J**	<10	<10	<10	NA	<10	<10
Benzene	1	5	<1	<1	<1	<1	NA	<0.50	<1
Bromobenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
Bromochloromethane	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
Bromoform	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
Bromomethane	n.v.	n.v.	<2	<2	<2	<2	NA	<10	<2
2-Butanone (MEK)	n.v.	n.v.	<5	<5	<5	<5	NA	<10	<5
n-Butylbenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
sec-Butylbenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
tert-Butylbenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
Carbon Disulfide	n.v.	n.v.	<1	<1	<1	<1	NA	<10	<1
Carbon tetrachloride	0.5	5	<1	<1	<1	<1	NA	<0.5	<1
Chlorobenzene	70	100	<1	<1	<1	<1	NA	<1	<1
Dibromochloromethane	n.v.	60	<1	<1	<1	<1	NA	<1	<1
Bromodichloromethane	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
Chloroethane	n.v.	n.v.	<2	<2	<2	<2	NA	<1	<2
Chloroform	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
Chloromethane	n.v.	n.v.	<2	<2	<2	<2	NA	<10	<2
2-Chlorotoluene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
4-Chlorotoluene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
1,2-Dibromo-3-chloropropane	n.v.	n.v.	<2	<2	<2	<2	NA	<5	<2
1,2-Dibromoethane	0.05	0.05	<1	<1	<1	<1	NA	<1	<1
Dibromomethane	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
1,2-Dichlorobenzene	600	600	<1	<1	<1	<1	NA	<1	<1
1,3-Dichlorobenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
1,4-Dichlorobenzene	5	75	<1	<1	<1	<1	NA	<1	<1
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	<2	<2	<2	<2	NA	<1	<2

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
1,1-Dichloroethane	5	n.v.	<1	<1	<1	<1	NA	<1	<1
1,2-Dichloroethane	0.5	5	<1	<1	<1	<1	NA	<0.5	<1
1,1-Dichloroethene	6	7	<1	<1	<1	<1	NA	<1	<1
cis-1,2-Dichloroethene	6	70	<1	<1	<1	<1	NA	<1	<1
trans-1,2-Dichloroethene	10	100	<1	<1	<1	<1	NA	<1	<1
1,2-Dichloropropane	5	5	<1	<1	<1	<1	NA	<1	<1
1,3-Dichloropropane	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
2,2-Dichloropropane	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
1,1-Dichloropropene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
cis-1,3-Dichloropropene	0.5	n.v.	<1	<1	<1	<1	NA	<0.5	<1
trans-1,3-Dichloropropene	0.5	n.v.	<1	<1	<1	<1	NA	<0.5	<1
Ethylbenzene	300	700	<1	<1	<1	<1	NA	<1	<1
Hexachlorobutadiene	n.v.	n.v.	<1	<1	<1	<1	NA	<10	<1
2-Hexanone	n.v.	n.v.	<5	<5	<5	<5	NA	<1	<5
Isopropylbenzene (Cumene)	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
p-Isopropyltoluene	n.v.	n.v.	<1	<1	<1	<1	NA	<10	<1
Methylene chloride	5	5	<1	<1	<1	<1	NA	<10	<1
4-Methyl-2-Pentanone	n.v.	n.v.	<5	<5	<5	<5	NA	<1	<5
methyl-tert-Butylether (MTBE)	13	40	<1	<1	<1	<1	NA	<10	<1
Naphthalene	n.v.	0.2	<1	<1	<1	<1	NA	<1	<1
n-Propylbenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
Styrene	100	100	<1	<1	<1	<1	NA	<1	<1
1,1,1,2-Tetrachloroethane	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
1,1,2,2-Tetrachloroethane	1	n.v.	<1	<1	<1	<1	NA	<1	<1
Tetrachloroethene (PCE)	5	5	<1	<1	<1	<1	NA	<1	<1
Toluene	150	1,000	<1	<1	<1	<1	NA	<1	<1
1,2,3-Trichlorobenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
1,2,4-Trichlorobenzene	5	70	<1	<1	<1	<1	NA	<1	<1

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
1,1,1-Trichloroethane	200	200	<1	<1	<1	<1	NA	<1	<1
1,1,2-Trichloroethane	5	5	<1	<1	<1	<1	NA	<1	<1
Trichloroethene (TCE)	5	5	<1	<1	<1	<1	NA	<10	<1
Trichlorofluoromethane	150	n.v.	<2	<2	<2	**0.36J**	NA	<5	<2
1,2,3-Trichloropropane	n.v.	n.v.	<1	<1	<1	<1	NA	<10	<1
Trichlorotrifluoroethane (Freon 113)	1,200	n.v.	<1	<1	<1	<1	NA	<1	<1
1,2,4-Trimethylbenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<1	<1
1,3,5-Trimethylbenzene	n.v.	n.v.	<1	<1	<1	<1	NA	<0.5	<1
Vinyl chloride	0.5	2	<1	<1	<1	<1	NA	<1	<1
m&p-Xylenes	1,750	10,000	<1	<1	<1	<1	NA	<1	<1
o-Xylene	1,750	10,000	<1	<1	<1	<1	NA		<1
1,4-Dioxane (ug/L)									
1,4-Dioxane	n.v.	n.v.	NA	NA	NA	NA	NA	<2.0	NA
SemiVolatile Organic Compounds (ug/L)									
Acenaphthene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Acenaphthylene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Anthracene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Benzo(a)anthracene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Benzo(b)fluoranthene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Benzo(k)fluoranthene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Benzo(g,h,i)perylene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Benzo(a)pyrene	0.2	0.2	**2.3 J**	<11	<10	<10	<9.7	NA	<10
Benzoic acid	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
Benzyl alcohol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Bis (2-chloroethoxy) methane	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Bis (2-chloroethyl) ether	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Bis(2-chloroisopropyl)ether	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
Bis (2-ethylhexyl) phthalate	4	6	<9.5	<11	<10	<10	<9.7	NA	<10
4-Bromophenyl phenyl ether	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Butyl benzyl phthalate	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Carbazole	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
4-Chloroaniline	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
4-Chloro-3-methylphenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
2-Chloronaphthalene	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
2-Chlorophenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
4-Chlorophenyl phenyl ether	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Chrysene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Dibenz (a,h) anthracene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Dibenzofuran	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Di-n-butylphthalate	n.v.	n.v.	<9.5	**5.2J**	**4.7J**	<10	**6.6J**	NA	**3.9J**
1,2-Dichlorobenzene	600	600	<9.5	<11	<10	<10	<9.7	NA	<10
1,3-Dichlorobenzene	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
1,4-Dichlorobenzene	5	75	<9.5	<11	<10	<10	<9.7	NA	<10
3,3'-Dichlorobenzidine	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
2,4-Dichlorophenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Diethyl phthalate	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
2,4-Dimethylphenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Dimethylphthalate	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
4,6-Dinitro-2-methylphenol	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
2,4-Dinitrophenol	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
2,4-Dinitrotoluene	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
2,6-Dinitrotoluene	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Di-n-octylphthalate	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Fluoranthene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
Fluorene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Hexachlorobenzene	1	1	<9.5	<11	<10	<10	<9.7	NA	<10
Hexachlorobutadiene	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Hexachlorocyclopentadiene	50	50	<48	<54	<50	<50	<48	NA	<50
Hexachloroethane	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Indeno (1,2,3-cd) pyrene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Isophorone	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
2-Methylnaphthalene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
2-Methylphenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
3&4-Methylphenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Naphthalene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
2-Nitroaniline	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
3-Nitroaniline	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
4-Nitroaniline	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
Nitrobenzene	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
2-Nitrophenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
4-Nitrophenol	n.v.	n.v.	<48	<54	<50	<50	<48	NA	<50
n-Nitrosodiphenylamine	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
n-Nitroso-di-n-propylamine	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Pentachlorophenol	1	1	<48	<54	<50	<50	<48	NA	<50
Phenanthrene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
Phenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
Pyrene	n.v.	0.2	<9.5	<11	<10	<10	<9.7	NA	<10
1,2,4-Trichlorobenzene	5	70	<9.5	<11	<10	<10	<9.7	NA	<10
2,4,5-Trichlorophenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10
2,4,6-Trichlorophenol	n.v.	n.v.	<9.5	<11	<10	<10	<9.7	NA	<10

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
1,4-Dioxane (ug/L)									
1,4-Dioxane	n.v.	n.v.	NA	NA	<1	NA	NA	NA	NA

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
Total PPL Metals (ug/L)									
Antimony	6	6	**6.3B**	<60	**21B**	<60	<60	NA	<60
Arsenic	50	10	**21**	<10	**58**	<10	<10	NA	**13**
Beryllium	4	4	**2.5B**	<5	**13**	<5	<5	NA	**2.2B**
Cadmium	5	5	**4.5B**	<5	**27**	<5	**0.61B**	NA	**5.4**
Chromium	50	100	**110**	**2.2B**	**470**	**4.2B**	**8.9B**	NA	**68**
Copper	1,300	1,300	**120**	<25	**540**	**7.1B**	**17B**	NA	**98**
Lead	15	15	**17**	<5	**61**	<5	<5	NA	**12**
Mercury	2	2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2
Nickel	100	n.v.	**52**	<40	**210**	<40	**7.6B**	NA	**37B**
Selenium	50	50	**9.6**	<5	<10	<5	**4.2B**	NA	**10**
Silver	100	100	<10	<10	<20	<10	<10	NA	<10
Thallium	2	2	<10	<10	<20	<10	<10	NA	<10
Zinc	5,000	5,000	**780**	**24**	**2,800**	**41**	**190**	NA	**810**
Dissolved PPL Metals (ug/L)									
Antimony	6	6	<60	<60	<60	<60	<60	NA	<60
Arsenic	50	10	<10	<10	<10	<10	<10	NA	**7.1B,J**
Barium	1,000	2,000	**380**	**280**	**140**	**190**	**190**	NA	**96**
Beryllium	4	4	<5	<5	<5	**0.68B**	<5	NA	<5
Cadmium	5	5	<5	<5	<5	<5	<5	NA	<5
Chromium	50	100	**1.5B**	**1.1B**	**1.6B**	**3.6B**	<10	NA	**1.2B**
Cobalt	n.v.	n.v.	<50	<50	<50	<50	**1.2B**	NA	<50
Copper	1,300	1,300	**4.6B**	**4.7B**	**4.9B**	**9.7B**	<25	NA	<25
Lead	15	15	<5	<5	<5	<5	<5	NA	<5
Mercury	2	2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2
Molybdenum	n.v.	n.v.	**12B**	**22B**	**4.4B**	**22B**	**33B**	NA	**16B**

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
Nickel	100	n.v.	<40	<40	<40	<40	**3B**	NA	<40
Selenium	50	50	<5	<5	<5	<5	<5	NA	**4.3B**
Silver	100	100	<10	<10	<10	<10	<10	NA	<10
Thallium	2	2	<10	<10	<10	<10	<10	NA	<10
Vanadium	n.v.	n.v.	**11B**	**12B**	**12B**	**26B**	**7.2B**	NA	**21B**
Zinc	5,000	5,000	**14B,J**	**19B,J**	<20	**36**	**28**	NA	**28**
Polychlorinated Biphenyls (ug/L)									
Aroclor-1016	n.v.	n.v.	<1	<1	<1	<1	<1	NA	<1
Aroclor-1221	n.v.	n.v.	<1	<1	<1	<1	<1	NA	<1
Aroclor-1232	n.v.	n.v.	<1	<1	<1	<1	<1	NA	<1
Aroclor-1242	n.v.	n.v.	<1	<1	<1	<1	<1	NA	<1
Aroclor-1248	n.v.	n.v.	<1	<1	<1	<1	<1	NA	<1
Aroclor-1254	n.v.	n.v.	<1	<1	<1	<1	<1	NA	<1
Aroclor-1260	n.v.	n.v.	<1	<1	<1	<1	<1	NA	<1
Total PCBs	0.5	0.5	ND	ND	ND	ND	ND	NA	ND
Pesticides (ug/L)									
Aldrin	n.v.	n.v.	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
alpha-BHC	n.v.	n.v.	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
alpha-Chlordane	0.1	2	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
beta-BHC	n.v.	n.v.	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
delta-BHC	n.v.	n.v.	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
4,4'-DDD	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1
4,4'-DDE	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1
4,4'-DDT	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1
Dieldrin	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1
Endrin	2	2	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
Endrin aldehyde	n.v.	n.v.	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2
gamma-BHC (Lindane)	0.2	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
gamma-Chlordane	0.1	2	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
Endosulfan I	n.v.	n.v.	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
Endosulfan II	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1
Endosulfan sulfate	n.v.	n.v.	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1
Heptachlor	0.01	0.4	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
Heptachlor epoxide	0.01	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05
Methoxychlor	30	40	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5
Toxaphene	3	3	<2	<2	<2	<2	<2	NA	<2
Perchlorate (ug/L)									
Perchlorate	6***	n.v.	**6.1**	**5.4**	**5.2**	NA	**4.4**	NA	**4.5**
Herbicides (ug/L)									
2,4-D	70	70	<4	<4	**2.2J**	<4	<4	<5.0	<4
2,4-DB	n.v.	n.v.	<4	<4	<4	<4	<4	<5.0	<4
2,4,5-TP (Silvex)	50	50	<1	<1	<1	<1	<1	<0.5	<1
2,4,5-T	n.v.	n.v.	<1	<1	<1	<1	<1	<0.5	<1

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
JANUARY AND APRIL 2005

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	B01-d80 1/25/05	B02-d85-d90 1/25/05	B03-d70 1/25/05	B04-d75 1/27/05	B05-d75 1/26/05	B-05A 4/15/05	B06-d75 1/28/05
Dalapon	200	200	<2	**15**	**16**	**0.89J**	**1.7J**	<13	<2
Dicamba	n.v.	n.v.	**1.7J**	<2	<2	<2	<2	<0.5	<2
Dichlorprop	n.v.	n.v.	**3.9J**	<4	<4	<4	<4	<5.0	<4
Dinoseb	7	7	<0.6	<0.6	<0.6	<0.6	<0.6	<2.5	<0.6
MCPA	n.v.	n.v.	**640**	<400	**240J**	**1,100**	<400	<500	**1,800**
MCPP	n.v.	n.v.	**4,500**	<400	**210J**	<400	<400	<500	<400

Notes:

<: Indicates parameter was not detected at the reporting limit.

ND: Indicates parameter was not detected.

NA: Indicates parameter was not analyzed. See Table 1 for explanation.

Bold values indicate concentrations detected above the reporting limit.

Bold and shaded values indicate concentrations detected above at least one comparison standard.

n.v.: Comparison value not available.

*: Maximum Contaminant Level (MCL), USEPA, 40CFR Part 141.

**: California Department of Health Services (CDHS) MCL, 2003.

***: CDHS Public Health Goal (PHG), Office of Environmental Health Hazard Assessment (OEHHA), 2004.

J (Organics): Indicates an estimated result that is less than the reporting limit.

B (Inorganics): Indicates an estimated result that is less than the reporting limit.

J (Inorganics): Indicates that the paramter was detected in the laboratory blank.

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
Volatile Organic Compounds (ug/L)			
Acetone	n.v.	n.v.	**5.1J**
Benzene	1	5	<1
Bromobenzene	n.v.	n.v.	<1
Bromochloromethane	n.v.	n.v.	<1
Bromoform	n.v.	n.v.	<1
Bromomethane	n.v.	n.v.	<2
2-Butanone (MEK)	n.v.	n.v.	<5
n-Butylbenzene	n.v.	n.v.	<1
sec-Butylbenzene	n.v.	n.v.	<1
tert-Butylbenzene	n.v.	n.v.	<1
Carbon Disulfide	n.v.	n.v.	<1
Carbon tetrachloride	0.5	5	<1
Chlorobenzene	70	100	<1
Dibromochloromethane	n.v.	60	<1
Bromodichloromethane	n.v.	n.v.	<1
Chloroethane	n.v.	n.v.	<2
Chloroform	n.v.	n.v.	<1
Chloromethane	n.v.	n.v.	<2
2-Chlorotoluene	n.v.	n.v.	<1
4-Chlorotoluene	n.v.	n.v.	<1
1,2-Dibromo-3-chloropropane	n.v.	n.v.	<2
1,2-Dibromoethane	0.05	0.05	<1
Dibromomethane	n.v.	n.v.	<1
1,2-Dichlorobenzene	600	600	<1
1,3-Dichlorobenzene	n.v.	n.v.	<1
1,4-Dichlorobenzene	5	75	<1
Dichlorodifluoromethane (Freon 12)	n.v.	n.v.	<2

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
1,1-Dichloroethane	5	n.v.	<1
1,2-Dichloroethane	0.5	5	<1
1,1-Dichloroethene	6	7	<1
cis-1,2-Dichloroethene	6	70	<1
trans-1,2-Dichloroethene	10	100	<1
1,2-Dichloropropane	5	5	<1
1,3-Dichloropropane	n.v.	n.v.	<1
2,2-Dichloropropane	n.v.	n.v.	<1
1,1-Dichloropropene	n.v.	n.v.	<1
cis-1,3-Dichloropropene	0.5	n.v.	<1
trans-1,3-Dichloropropene	0.5	n.v.	<1
Ethylbenzene	300	700	<1
Hexachlorobutadiene	n.v.	n.v.	<1
2-Hexanone	n.v.	n.v.	<5
Isopropylbenzene (Cumene)	n.v.	n.v.	<1
p-Isopropyltoluene	n.v.	n.v.	<1
Methylene chloride	5	5	<1
4-Methyl-2-Pentanone	n.v.	n.v.	<5
methyl-tert-Butylether (MTBE)	13	40	<1
Naphthalene	n.v.	0.2	<1
n-Propylbenzene	n.v.	n.v.	<1
Styrene	100	100	<1
1,1,1,2-Tetrachloroethane	n.v.	n.v.	<1
1,1,2,2-Tetrachloroethane	1	n.v.	<1
Tetrachloroethene (PCE)	5	5	<1
Toluene	150	1,000	<1
1,2,3-Trichlorobenzene	n.v.	n.v.	<1
1,2,4-Trichlorobenzene	5	70	<1

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
1,1,1-Trichloroethane	200	200	<1
1,1,2-Trichloroethane	5	5	<1
Trichloroethene (TCE)	5	5	<1
Trichlorofluoromethane	150	n.v.	<2
1,2,3-Trichloropropane	n.v.	n.v.	<1
Trichlorotrifluoroethane (Freon 113)	1,200	n.v.	<1
1,2,4-Trimethylbenzene	n.v.	n.v.	<1
1,3,5-Trimethylbenzene	n.v.	n.v.	<1
Vinyl chloride	0.5	2	<1
m&p-Xylenes	1,750	10,000	<1
o-Xylene	1,750	10,000	<1
SemiVolatile Organic Compounds (ug/L)			
Acenaphthene	n.v.	0.2	<10
Acenaphthylene	n.v.	0.2	<10
Anthracene	n.v.	0.2	<10
Benzo(a)anthracene	n.v.	0.2	<10
Benzo(b)fluoranthene	n.v.	0.2	<10
Benzo(k)fluoranthene	n.v.	0.2	<10
Benzo(g,h,i)perylene	n.v.	0.2	<10
Benzo(a)pyrene	0.2	0.2	<10
Benzoic acid	n.v.	n.v.	<50
Benzyl alcohol	n.v.	n.v.	<10
Bis (2-chloroethoxy) methane	n.v.	n.v.	<10
Bis (2-chloroethyl) ether	n.v.	n.v.	<10
Bis(2-chloroisopropyl)ether	n.v.	n.v.	<10
Bis (2-ethylhexyl) phthalate	4	6	<10
4-Bromophenyl phenyl ether	n.v.	n.v.	<10
Butyl benzyl phthalate	n.v.	n.v.	<10

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
Carbazole	n.v.	n.v.	<10
4-Chloroaniline	n.v.	n.v.	<10
4-Chloro-3-methylphenol	n.v.	n.v.	<10
2-Chloronaphthalene	n.v.	n.v.	<10
2-Chlorophenol	n.v.	n.v.	<10
4-Chlorophenyl phenyl ether	n.v.	n.v.	<10
Chrysene	n.v.	0.2	<10
Dibenz (a,h) anthracene	n.v.	0.2	<10
Dibenzofuran	n.v.	0.2	<10
Di-n-butylphthalate	n.v.	n.v.	<10
1,2-Dichlorobenzene	600	600	<10
1,3-Dichlorobenzene	n.v.	n.v.	<10
1,4-Dichlorobenzene	5	75	<10
3,3'-Dichlorobenzidine	n.v.	n.v.	<50
2,4-Dichlorophenol	n.v.	n.v.	<10
Diethyl phthalate	n.v.	n.v.	<10
2,4-Dimethylphenol	n.v.	n.v.	<10
Dimethylphthalate	n.v.	n.v.	<10
4,6-Dinitro-2-methylphenol	n.v.	n.v.	<50
2,4-Dinitrophenol	n.v.	n.v.	<50
2,4-Dinitrotoluene	n.v.	n.v.	<10
2,6-Dinitrotoluene	n.v.	n.v.	<10
Di-n-octylphthalate	n.v.	n.v.	<10
Fluoranthene	n.v.	0.2	<10
Fluorene	n.v.	0.2	<10
Hexachlorobenzene	1	1	<10
Hexachlorobutadiene	n.v.	n.v.	<10

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
Hexachlorocyclopentadiene	50	50	<50
Hexachloroethane	n.v.	n.v.	<10
Indeno (1,2,3-cd) pyrene	n.v.	0.2	<10
Isophorone	n.v.	n.v.	<10
2-Methylnaphthalene	n.v.	0.2	<10
2-Methylphenol	n.v.	n.v.	<10
3&4-Methylphenol	n.v.	n.v.	<10
Naphthalene	n.v.	0.2	<10
2-Nitroaniline	n.v.	n.v.	<50
3-Nitroaniline	n.v.	n.v.	<50
4-Nitroaniline	n.v.	n.v.	<50
Nitrobenzene	n.v.	n.v.	<10
2-Nitrophenol	n.v.	n.v.	<10
4-Nitrophenol	n.v.	n.v.	<50
n-Nitrosodiphenylamine	n.v.	n.v.	<10
n-Nitroso-di-n-propylamine	n.v.	n.v.	<10
Pentachlorophenol	1	1	<50
Phenanthrene	n.v.	0.2	<10
Phenol	n.v.	n.v.	<10
Pyrene	n.v.	0.2	<10
1,2,4-Trichlorobenzene	5	70	<10
2,4,5-Trichlorophenol	n.v.	n.v.	<10
2,4,6-Trichlorophenol	n.v.	n.v.	<10

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
Total PPL Metals (ug/L)			
Antimony	6	6	<60
Arsenic	50	10	**5.9B**
Beryllium	4	4	<5
Cadmium	5	5	<5
Chromium	50	100	**17**
Copper	1,300	1,300	**19B**
Lead	15	15	**5**
Mercury	2	2	<0.2
Nickel	100	n.v.	**7.2B**
Selenium	50	50	<5
Silver	100	100	<10
Thallium	2	2	<10
Zinc	5,000	5,000	**44**
Dissolved PPL Metals (ug/L)			
Antimony	6	6	<60
Arsenic	50	10	**4.3B**
Barium	1,000	2,000	**36**
Beryllium	4	4	<5
Cadmium	5	5	<5
Chromium	50	100	**9.8B**
Cobalt	n.v.	n.v.	<50
Copper	1,300	1,300	**11B**
Lead	15	15	<5
Mercury	2	2	<0.2
Molybdenum	n.v.	n.v.	**14B**

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
Nickel	100	n.v.	<40
Selenium	50	50	<5
Silver	100	100	<10
Thallium	2	2	<10
Vanadium	n.v.	n.v.	**15B**
Zinc	5,000	5,000	**18B,J**
Polychlorinated Biphenyls (ug/L)			
Aroclor-1016	n.v.	n.v.	<1
Aroclor-1221	n.v.	n.v.	<1
Aroclor-1232	n.v.	n.v.	<1
Aroclor-1242	n.v.	n.v.	<1
Aroclor-1248	n.v.	n.v.	<1
Aroclor-1254	n.v.	n.v.	<1
Aroclor-1260	n.v.	n.v.	<1
Total PCBs	0.5	0.5	ND
Pesticides (ug/L)			
Aldrin	n.v.	n.v.	<0.05
alpha-BHC	n.v.	n.v.	<0.05
alpha-Chlordane	0.1	2	<0.05
beta-BHC	n.v.	n.v.	<0.05
delta-BHC	n.v.	n.v.	<0.05
4,4'-DDD	n.v.	n.v.	<0.1
4,4'-DDE	n.v.	n.v.	<0.1
4,4'-DDT	n.v.	n.v.	<0.1
Dieldrin	n.v.	n.v.	<0.1
Endrin	2	2	<0.1

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
Endrin aldehyde	n.v.	n.v.	<0.2
gamma-BHC (Lindane)	0.2	0.2	<0.05
gamma-Chlordane	0.1	2	<0.05
Endosulfan I	n.v.	n.v.	<0.05
Endosulfan II	n.v.	n.v.	<0.1
Endosulfan sulfate	n.v.	n.v.	<0.1
Heptachlor	0.01	0.4	<0.05
Heptachlor epoxide	0.01	0.2	<0.05
Methoxychlor	30	40	<0.5
Toxaphene	3	3	<2

TABLE 4

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS

GE ENERGY
26226 ANTELOPE ROAD
ROMOLAND, CALIFORNIA

Parameter	CDHS MCLs** (ug/L)	USEPA MCLs* (ug/L)	SW01-d00 1/28/05
Perchlorate (ug/L)			
Perchlorate	6***	n.v.	**3.2B**
Herbicides (ug/L)			
2,4-D	70	70	<4
2,4-DB	n.v.	n.v.	<4
2,4,5-TP (Silvex)	50	50	<1
2,4,5-T	n.v.	n.v.	<1
Dalapon	200	200	<2
Dicamba	n.v.	n.v.	<2
Dichlorprop	n.v.	n.v.	<4
Dinoseb	7	7	**0.32J**
MCPA	n.v.	n.v.	<400
MCPP	n.v.	n.v.	<400

Notes:

<: Indicates parameter was not detected at the reporting limit.

ND: Indicates parameter was not detected.

Bold values indicate concentrations detected above the reporting limit.

Bold and shaded values indicate concentrations detected above at least one comparison standard.

n.v.: Comparison value not available.

*: Maximum Contaminant Level (MCL), USEPA, 40CFR Part 141.

**: California Department of Health Services (CDHS) MCL, 2003.

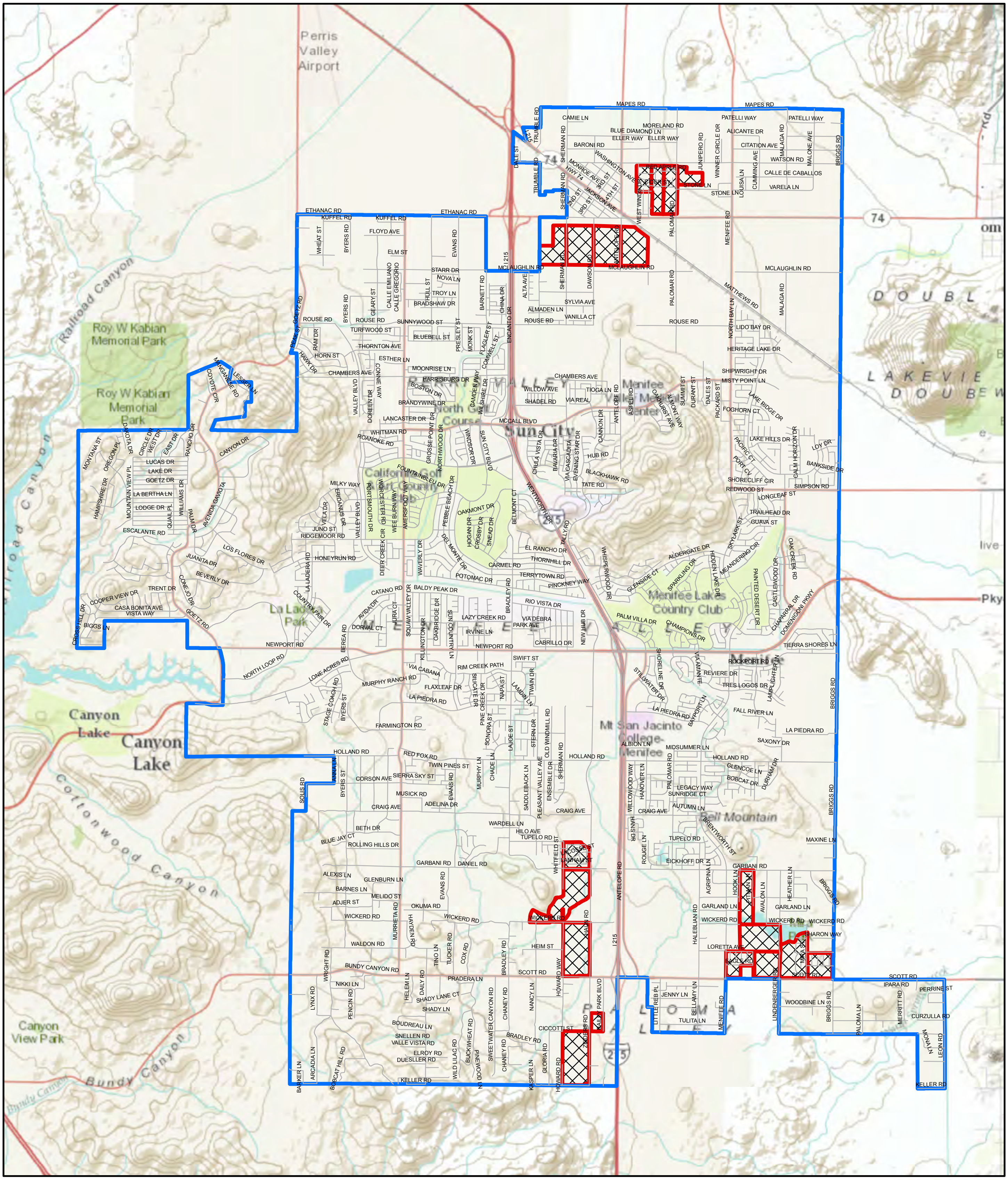
***: CDHS Public Health Goal (PHG), Office of Environmental Health Hazard Assessment (OEHHA), 2004.

J (Organics): Indicates an estimated result that is less than the reporting limit.

B (Inorganics): Indicates an estimated result that is less than the reporting limit.

J (Inorganics): Indicates that the paramter was detected in the laboratory blank.

PERMITTED BIOSOLIDS/SLUDGE APPLICATION MAP



Legend

City of Menifee Boundary

Composite Fields

0 0.5 1 2 3 4 Miles

N

Calpine Menifee
26226 Antelope Road
Sun City, CA 92585

Inquiry Number: 6948563.6
April 20, 2022

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

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APPENDIX E2 – PHASE II BASELINE INVESTIGATION

Technical Memorandum

To:	Run Chen, PE, PMP, Senior Engineer City of Menifee, Public Works – Land Development 29844 Haun Road Menifee, California 92586	From:	Alice Hale Price, PE, Principal Engineer Clare Steedman, PG, Principal Geologist Terraphase Engineering Inc.
cc:	Daniel Padilla, City of Menifee Kristine Kim, County of Riverside Alberto Lopez, County of Riverside Luke Montagne, SCS Engineers		Frank Escobedo, Calpine Corporation Barbara McBride, Calpine Corporation Emily Precht, Calpine Corporation Mitch Weinberg, Calpine Corporation
Date:	March 20, 2023	Project No.:	0027.008.005
Subject:	**Summary of Soil Investigation Activities and Findings, Former Inland Empire Energy Center, 26226 Antelope Road, Menifee, Riverside County, California**		

Terraphase Engineering Inc. (Terraphase) conducted a soil investigation in response to requests for additional information provided by the City of Menifee and County of Riverside regarding the environmental condition of the property at 26226 Antelope Road in Menifee, California (the Site; Figure 1). This memorandum provides a summary of the investigation activities, results, and conclusions related to the collection and analysis of judgmental soil samples. Judgmental soil sample locations were selected based on (1) the location of previous industrial activities that have been or will be removed as part of the decommissioning or redevelopment or (2) requests from the County of Riverside. A detailed report documenting this investigation is forthcoming.

Investigation Activities

The investigation included collection and analysis of judgmental soil samples from the following locations:

- Vicinity of Units 1 and 2 former emergency generator tanks and former lube oil tanks;[1]
- Former drum storage containment area and sump on the west side of the warehouse building;
- Vicinity of former hazardous materials and temporary equipment storage building (two locations);
- Three locations along the cooling tower alignment;[2] and

[1] Emergency generator tanks and lube oil tanks were both located within concrete containment structures during Site operations.

[2] Based on information provided by former facility personnel, the motors for the cooling towers were electrically driven and located on the roof of the towers.

- Two locations in each of the retention ponds (proximal to the influent piping conveying Site drainage).

Borings for judgmental soil samples were advanced using a hand auger, except for two locations in the vicinity of the former lube oil tanks which were advanced with a hollow-stem auger. Shallow samples were collected from beneath surficial vegetation and/or road base. Soil borings were field screened using a photoionization detector to monitor for volatile organic compounds (VOCs).

Judgmental soil samples were analyzed for the following:

- Total petroleum hydrocarbons (TPH) as gasoline (TPH-g) by United States Environmental Protection Agency (EPA) Analytical Method 8015B;
- TPH as diesel (TPH-d) and motor oil (TPH-mo)by EPA Analytical Method 8015M;
- VOCs by EPA Analytical Method 8260; and
- Metals by EPA Analytical Method 6010/7174.

Samples from select locations were also analyzed for polychlorinated biphenyls (PCBs) by EPA Analytical Method 8082. Sample analyses are summarized in Table 1 and sample locations are presented on Figure 2.

Soil samples were submitted under chain of custody to Enthalpy Analytical, a California and National Environmental Laboratory Accreditation Program-certified laboratory.

Analytical Results

Soil analytical laboratory results are summarized in Table 2 and analytical reports are included in Attachment A. Terraphase screened the analytical results against applicable screening levels:

- Southern California background concentration of 12 milligrams per kilogram for arsenic.[3]
- The most recent risk-based California Environmental Protection Agency Department of Toxic Substances Control-modified screening levels (DTSC-SLs) for commercial/industrial land use for all other constituents.[4]
- The most recent EPA "Regional Screening Levels (RSLs)" for commercial/industrial soil if no DTSC-SL is established for a given compound or constituent, other than arsenic.[5] If both cancer and non-cancer risk numbers are presented for the RSLs, the lower of the two were used. EPA RSL tables use a target risk level of 1×10^{-6} and a target hazard quotient of 1.0.

[3] Chernoff G., Bosan W., Oudiz D. 2008. Determination of a Southern California Regional, Background Arsenic Concentration in Soil.

[4] California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office (HERO), *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs)*, June 2020; revised May 2022.

[5] United States Environmental Protection Agency (EPA), "Regional Screening Levels (RSLs) Summary Table, THQ = 1.0," USEPA Region 9, November 2022.

Analytes were not detected in judgmental soil samples at concentrations exceeding applicable screening criteria. The following provides a summary of detections in judgmental soil samples for an analytical suite:

- Twenty-eight samples were analyzed for metals; select metals, including barium, chromium (total), cobalt, copper, lead, molybdenum, nickel, vanadium, and zinc, were detected above the laboratory reporting limit in one or more of the samples, but below the applicable commercial/industrial DSTC-SL. Arsenic was detected in 19 samples; each detection was at concentrations below the Southern California background concentration of 12 milligrams per kilogram.
- Twelve samples were analyzed for PCBs; PCBs were not detected in any of the samples above laboratory reporting limits.
- Eighteen samples were analyzed for TPH-d and TPH-mo; TPH-d was detected in a single shallow soil sample at a concentration of 13 micrograms per liter. There is no established DTSCL-SL or RSL for TPH-d; however, this concentration is reflective of trace levels. TPH-mo was not detected in any of the samples analyzed.
- Twenty-seven samples were analyzed for TPH-g; TPH-g was not detected in any of the soil samples analyzed.
- Nineteen samples were analyzed for VOCs; VOCs were not detected in any of the samples above laboratory reporting limits.

Conclusions

Based on the screening of the analytical results presented above, Terraphase did not find evidence of impacts to subsurface soil as the result of industrial equipment that has been or will be removed during Site decommissioning or redevelopment, from the former drum storage area, or in the retention ponds. TPH-g, TPH-d, and TPH-mo, VOCs, metals, and PCBs were not detected in judgmental subsurface soil samples at concentrations exceeding the current applicable screening levels.

Terraphase does not recommend further investigation.

Attachments

- Tables:
  1 Soil and Groundwater Sampling Matrix
  2 Laboratory Analytical Results – Soil
- Figures:
  1 Site Location Map
  2 Judgmental Soil Sample Locations
- Attachment A: Laboratory Analytical Reports

Table 1
Judgmental Soil Sampling Matrix
Soil Investigation
Former IEEC

Location	Sample ID	Sample depths	TPH-g, -d, -mo	PCBs	VOCs	Total metals	Moisture content	Notes
U.S. EPA Analytical Method			**8015B/M**	**8082**	**8260B**	**6010B/7174A**		
Unit 1 - Emergency Generator	SB-60-0.5	0.5-1 ft	X			X	X	
	SB-60-2.5	2.5-3 ft			X	X*	X	Slab on grade; slab has been removed.
Unit 2 - Emergency Generator	SB-62-0.5	0.5-1 ft	X			X	X	
	SB-62-2.5	2.5-3 ft			X	X*	X	Slab on grade; slab has been removed.
Former Drum Storage Area (West of Warehouse)	SB-57-0.5	0.5-1 ft	X	X		X	X	Slab on grade, in place at time of sampling. Cored through slab to collect samples.
	SB-57-2.5	2.5-3 ft			X	X*	X	
Former Drum Storage Area Sump (West of Warehouse) - sump is approximately 2 feet below grade	SB-58-2.5	2.5- ft	X	X	X	X	X	Sample boring adjacent to sump, cored through slab. 2.5 foot sample is below depth of bottom of sump.
	SB-58-4.5	4.5-5 ft				X*	X	
Hazmat & Temporary Equipment Storage Building	SB-59-0.5	0.5-1 ft	X	X		X	X	
	SB-59-2.5	2.5-3 ft	X*	X*	X	X*	X	Slab on grade; slab has been removed.
Hazmat & Temporary Equipment Storage Building - In approximate location of entrance	SB-73-0.5	0.5-1 ft	X	X		X	X	
	SB-73-2.5	2.5-3 ft			X	X*	X	Slab on grade; slab has been removed.
Unit 1 - Lube Tank	SB-71-3.5	3-3.5 ft	X	X	X	X	X	The containment was approx. 3'-4' deep, however, the tank was slightly above grade. Slab and containment have been removed. Shallow samples were above layer of former containment; 4 ft bgs samples were collected below depth of former containment.
	SB-71-4	4-4.5 ft	X	X	X	X	X	
	SB-71-6	6-6.5 ft			X*		X	
Unit 2 - Lube Tank	SB-72-2.5	2-2.5 ft	X	X	X	X	X	
	SB-72-4	4-4.5 ft	X	X	X	X	X	
	SB-72-6	6-6.5 ft			X*		X	
Cooling Tower - Location 1	SB-63-6.5	6.5-7 ft	X	X	X	X	X	Former containment area was approximately 4 feet bgs. Samples were collected from 6.5 feet bgs adjacent to former cooling tower alignment.
	SB-63-8	8-8.5				X*	X	
Cooling Tower - Location 2	SB-64-6.5	6.5-7 ft	X	X	X	X	X	
	SB-64-8	8-8.5				X*	X	
Cooling Tower - Location 3	SB-65-6.5	6.5-7 ft	X	X	X	X	X	
	SB-65-8	8-8.5				X*	X	

Table 1
Judgmental Soil Sampling Matrix
Soil Investigation
Former IEEC

Location	Sample ID	Sample depths	TPH-g, -d, -mo	PCBs	VOCs	Total metals	Moisture content	Notes
U.S. EPA Analytical Method			**8015B/M**	**8082**	**8260B**	**6010B/7174A**		
Retention Basin - West	SB-67-bs	Berm surface	X (-d, -mo)			X	X	Shallow sample collected from 0-0.5 feet below berm surface after removing vegetation. Deeper sample collected from 1.0-1.5 ft below berm surface.
	SB-67-1 bs	1 ft down from berm surface			X	X*	X	
	SB-74-bs	Berm surface	X			X	X	
	SB-74-1 bs	1 ft down from berm surface			X	X*	X	
Retention Basin - East	SB-69-b	Berm surface	X			X	X	
	SB-69-1 bs	1 ft down from berm surface			X		X	
	SB-70-bs	Berm surface	X			X	X	
	SB-70-1 bs	1 ft down from berm surface			X		X	

Notes:
bgs = below ground surface
ft = feet
PCBs = Polychlorinated biphenyls
TPH-g, -d, -mo = Total petroleum hydrocarbons in the gasoline, diesel, and motor oil ranges
VOCs = Volatile organic compounds (includes TPH-g)
* Laboratory was instructed to extract and hold the sample; Due to a laboratory error, results were reported.
Equipment blanks (EB-20230309-HA, EB-20230310-HA) were collected on March 9 and 10, 2023 from the hand auger and analyzed for TPH-g, -d, -mo, VOCs, and PCBs. No analytes were detected equipment blanks.
Trip blanks (TB-20230309 and TB-20230310) were submitted with samples on March 9 and 10, 2023 and analyzed for VOCs; VOCs were not detected in the trip blanks.

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		Location Code	SB-57		SB-58		SB-59		SB-60		SB-62	
		Field ID	SB-57-0.5	SB-57-2.5	SB-58-2.5	SB-58-4.5	SB-59-0.5	SB-59-2.5	SB-60-0.5	SB-60-2.5	SB-62-0.5	SB-62-2.5
		Sample Depth (ft-bgs)	0.5 - 1	2.5 - 3	2.5 - 3	4.5 - 5	0.5 - 1	2.5 - 3	0.5 - 1	2.5 - 3	0.5 - 1	2.5 - 3
		Date	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/09/2023	03/09/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		SDG	481298	481298	481298	481298	481184	481184	481298	481298	481298	481298
	Unit	Selected Screening Level										
Inorganic												
Moisture	%	-	**7**	**9**	**8**	**8**	**7**	**5**	**11**	**9**	**10**	**9**
Metal												
Antimony	mg/kg	470[#1]	<3.1	<3.3	<3.2	<3.1	<3.1	<3	<3.3	<3.3	<3.2	<3.2
Arsenic	mg/kg	12[#2]	<1	**1.4**	<1.1	**1.9**	<1	<1	**4.7**	**1.6**	**2.8**	**1.5**
Barium	mg/kg	220,000[#1]	**130**	**180**	**120**	**210**	**170**	**150**	**190**	**190**	**220**	**270**
Beryllium	mg/kg	230[#3]	<0.52	<0.55	<0.53	<0.52	<0.52	<0.51	<0.56	<0.55	<0.53	<0.53
Cadmium	mg/kg	79[#3]	<0.52	<0.55	<0.53	<0.52	<0.52	<0.51	<0.56	<0.55	<0.53	<0.53
Chromium (III+VI)	mg/kg	-	**11**	**13**	**10**	**16**	**9.9**	**7.9**	**19**	**14**	**21**	**18**
Cobalt	mg/kg	350[#1]	**7**	**8.3**	**6.5**	**12**	**8.4**	**7.1**	**9**	**8.4**	**9.4**	**11**
Copper	mg/kg	47,000[#1]	**9.7**	**10**	**9.7**	**15**	**11**	**9.5**	**27**	**15**	**22**	**15**
Lead	mg/kg	500[#3]	**4**	**5**	**3.5**	**6.2**	**4.3**	**3.3**	**11**	**6.2**	**9.9**	**6.2**
Mercury	mg/kg	4.4[#3]	<0.18	<0.18	<0.18	<0.16	<0.17	<0.15	<0.17	<0.18	<0.17	<0.16
Molybdenum	mg/kg	5,800[#1]	<1	<1.1	<1.1	<1	<1	<1	<1.1	<1.1	<1.1	<1.1
Nickel	mg/kg	11,000[#3]	**5.1**	**5.5**	**4.8**	**7.4**	**5.5**	**4.3**	**8.9**	**6.5**	**9.1**	**7.8**
Selenium	mg/kg	5,800[#1]	<3.1	<3.3	<3.2	<3.1	<3.1	<3	<3.3	<3.3	<3.2	<3.2
Silver	mg/kg	5,800[#1]	<0.52	<0.55	<0.53	<0.52	<0.52	<0.51	<0.56	<0.55	<0.53	<0.53
Thallium	mg/kg	12[#1]	<3.1	<3.3	<3.2	<3.1	<3.1	<3	<3.3	<3.3	<3.2	<3.2
Vanadium	mg/kg	5,800[#1]	**33**	**46**	**33**	**54**	**42**	**38**	**48**	**45**	**50**	**58**
Zinc	mg/kg	350,000[#1]	**30**	**33**	**28**	**45**	**39**	**34**	**160**	**44**	**180**	**39**
PCBs												
Aroclor 1016	mg/kg	17[#3]	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1221	mg/kg	0.53[#3]	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1232	mg/kg	0.49[#3]	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1242	mg/kg	0.58[#3]	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1248	mg/kg	0.58[#3]	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1254	mg/kg	0.59[#3]	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1260	mg/kg	0.6[#3]	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1262	mg/kg	-	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Aroclor 1268	mg/kg	-	<0.053	-	<0.054	-	<0.053	<0.052	-	-	-	-
Total PCBs	mg/kg	0.58[#3]	-	-	-	-	<0.053	<0.052	-	-	-	-
TPH												
TPH as Gasoline	mg/kg	-	<3.2	<3	<2.9	-	<3	<11	<4.4	<3	<3.7	<4.2
TPH as Diesel	mg/kg	-	<11	-	<11	-	<11	<11	**13**	-	<11	-
TPH as Motor Oil	mg/kg	-	<21	-	<22	-	<21	<21	<22	-	<22	-
VOC												
1,4-Dichloro-2-butene (total)	mg/kg	0.0094[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,4-Dichloro-2-butene(cis)	mg/kg	0.032[#1]	-	<0.019	<0.015	-	-	<0.0056	-	<0.013	-	<0.023
Allyl chloride	mg/kg	3.2[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1,1,2-Tetrachloroethane	mg/kg	8.8[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1,1-Trichloroethane	mg/kg	7,200[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1,2,2-Tetrachloroethane	mg/kg	2.7[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1,2-Trichloroethane	mg/kg	5[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1,2-Trichlorotrifluoroethane	mg/kg	28,000[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1-Dichloroethane	mg/kg	16[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1-Dichloroethene	mg/kg	350[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,1-Dichloropropene	mg/kg	-	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2,3-Trichlorobenzene	mg/kg	300[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		Location Code	SB-57		SB-58		SB-59		SB-60		SB-62	
		Field ID	SB-57-0.5	SB-57-2.5	SB-58-2.5	SB-58-4.5	SB-59-0.5	SB-59-2.5	SB-60-0.5	SB-60-2.5	SB-62-0.5	SB-62-2.5
		Sample Depth (ft-bgs)	0.5 - 1	2.5 - 3	2.5 - 3	4.5 - 5	0.5 - 1	2.5 - 3	0.5 - 1	2.5 - 3	0.5 - 1	2.5 - 3
		Date	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/09/2023	03/09/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		SDG	481298	481298	481298	481298	481184	481184	481298	481298	481298	481298
	Unit	Selected Screening Level										
1,2,3-Trichloropropane	mg/kg	0.021[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2,4-Trichlorobenzene	mg/kg	35[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2,4-Trimethylbenzene	mg/kg	1,800[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2-Dibromo-3-chloropropane	mg/kg	0.057[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2-Dibromoethane	mg/kg	0.16[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2-Dichlorobenzene	mg/kg	9,300[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2-Dichloroethane	mg/kg	2[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2-Dichloroethene(cis)	mg/kg	84[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2-Dichloroethene(trans)	mg/kg	600[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,2-Dichloropropane	mg/kg	11[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,3,5-Trimethylbenzene	mg/kg	1,500[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,3-Dichlorobenzene	mg/kg	-	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,3-Dichloropropane	mg/kg	2,200[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,3-Dichloropropene(cis)	mg/kg	-	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,3-Dichloropropene(trans)	mg/kg	-	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
1,4-Dichlorobenzene	mg/kg	11[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
2,2-Dichloropropane	mg/kg	-	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
2-chlorotoluene	mg/kg	2,500[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
4-Chlorotoluene	mg/kg	2,300[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
4-Methyl-2-pentanone	mg/kg	140,000[#1]	-	<0.011	<0.0083	-	-	<0.0056	-	<0.0074	-	<0.013
Acetone	mg/kg	1,100,000[#1]	-	<0.13	<0.1	-	-	<0.11	-	<0.091	-	<0.16
Benzene	mg/kg	1.4[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Bromobenzene	mg/kg	1,800[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Bromochloromethane	mg/kg	630[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Bromodichloromethane	mg/kg	1.3[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Bromoform	mg/kg	86[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Bromomethane	mg/kg	30[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Carbon tetrachloride	mg/kg	2.9[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Chlorobenzene	mg/kg	1,300[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Chlorodibromomethane	mg/kg	4.1[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Chloroethane	mg/kg	23,000[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Chloroform	mg/kg	1.4[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Chloromethane	mg/kg	460[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Dibromomethane	mg/kg	99[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Dichlorodifluoromethane	mg/kg	370[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Dichloromethane	mg/kg	26[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Ethylbenzene	mg/kg	25[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Hexachlorobutadiene	mg/kg	5.3[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Isopropylbenzene	mg/kg	9,900[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Methyl Ethyl Ketone	mg/kg	190,000[#1]	-	<0.13	<0.1	-	-	<0.11	-	<0.091	-	<0.16
Methyl Tertiary Butyl Ether	mg/kg	210[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Naphthalene	mg/kg	6.5[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
n-butylbenzene	mg/kg	18,000[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
n-propylbenzene	mg/kg	24,000[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
p-isopropyltoluene	mg/kg	-	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
sec-butylbenzene	mg/kg	12,000[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Styrene	mg/kg	32,000[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		Location Code	SB-57		SB-58		SB-59		SB-60		SB-62	
		Field ID	SB-57-0.5	SB-57-2.5	SB-58-2.5	SB-58-4.5	SB-59-0.5	SB-59-2.5	SB-60-0.5	SB-60-2.5	SB-62-0.5	SB-62-2.5
		Sample Depth (ft-bgs)	0.5 - 1	2.5 - 3	2.5 - 3	4.5 - 5	0.5 - 1	2.5 - 3	0.5 - 1	2.5 - 3	0.5 - 1	2.5 - 3
		Date	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/09/2023	03/09/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		SDG	481298	481298	481298	481298	481184	481184	481298	481298	481298	481298
	Unit	Selected Screening Level										
tert-Butylbenzene	mg/kg	12,000[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Tetrachloroethene	mg/kg	2.7[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Toluene	mg/kg	5,300[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Trichloroethene	mg/kg	6[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Trichlorofluoromethane	mg/kg	5,400[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Vinyl chloride	mg/kg	0.15[#3]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Xylene (m & p)	mg/kg	-	-	<0.013	<0.01	-	-	<0.011	-	<0.0091	-	<0.016
Xylene (o)	mg/kg	2,800[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078
Xylenes (total)	mg/kg	2,500[#1]	-	<0.0065	<0.0051	-	-	<0.0056	-	<0.0046	-	<0.0078

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
B = Contamination found in associated method blank
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group

Selected Screening Levels for soil were selected in the following manner:
#1: for arsenic, the Southern California background concentration of 12 mg/kg (Chernoff, Bosan, and Oudiz 2008)
#2: for all other constituents, the most recent risk-based California Environmental Protection Agency Department of Toxic Substances Control modified United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for commercial/industrial land use (May 2022), and
#3: if no DTSC-modified value is established for a given compound or constituent, other than arsenic, the November 2022 USEPA Regional Screening Levels RSL for commercial/industrial soil was used. If both cancer and non-cancer risk numbers are presented for the RSLs, the lower of the two were used. For USEPA RSL tables, a target risk level of 1×10-6 and a target hazard quotient of 1.0 were used.

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		SB-63		SB-64		SB-65		SB-67		SB-69		SB-70	
		SB-63-6.5	SB-63-8	SB-64-6.5	SB-64-8	SB-65-6.5	SB-65-8	SB-67-BS	SB-67-1BS	SB-69-BS	SB-69-1BS	SB-70-BS	SB-70-1BS
		6.5 - 7	8 - 8.5	6.5 - 7	8 - 8.5	6.5 - 7	8 - 8.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5
		03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		481295	481295	481295	481295	481295	481295	481295	481295	481295	481295	481295	481295
	Unit												
Inorganic													
Moisture	%	**10**	**11**	**9**	**10**	**7**	**9**	**15**	**19**	**11**	**11**	**13**	**11**
Metal													
Antimony	mg/kg	<3.3	<3.4	<3.1	<3.2	<3.2	<3.2	<3.4	<3.7	<3.3	-	<3.4	-
Arsenic	mg/kg	**2.7**	**3**	**2.1**	**2.1**	<1.1	<1.1	**1.7**	<1.2	<1.1	-	**1.6**	-
Barium	mg/kg	**190**	**180**	**230**	**210**	**180**	**230**	**180**	**130**	**170**	-	**310**	-
Beryllium	mg/kg	<0.56	<0.56	<0.52	<0.54	<0.53	<0.53	<0.56	<0.61	<0.56	-	<0.57	-
Cadmium	mg/kg	<0.56	<0.56	<0.52	<0.54	<0.53	<0.53	<0.56	<0.61	<0.56	-	<0.57	-
Chromium (III+VI)	mg/kg	**13**	**12**	**13**	**13**	**11**	**14**	**13**	**9.5**	**11**	-	**17**	-
Cobalt	mg/kg	**8.6**	**8.3**	**9.1**	**9**	**7.8**	**9.7**	**7.9**	**5.1**	**6.6**	-	**13**	-
Copper	mg/kg	**11**	**13**	**13**	**14**	**11**	**13**	**15**	**8**	**11**	-	**19**	-
Lead	mg/kg	**5.1**	**5**	**5.2**	**5.5**	**4.5**	**5.7**	**5.1**	**3.3**	**2.8**	-	**5.5**	-
Mercury	mg/kg	<0.18	<0.17	<0.18	<0.17	<0.15	<0.17	<0.19	<0.18	<0.19	-	<0.19	-
Molybdenum	mg/kg	<1.1	<1.1	<1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	-	<1.1	-
Nickel	mg/kg	**5.7**	**5.8**	**6**	**6.3**	**5.5**	**6.1**	**5.7**	**3.5**	**4.5**	-	**7.3**	-
Selenium	mg/kg	<3.3	<3.4	<3.1	<3.2	<3.2	<3.2	<3.4	<3.7	<3.3	-	<3.4	-
Silver	mg/kg	<0.56	<0.56	<0.52	<0.54	<0.53	<0.53	<0.56	<0.61	<0.56	-	<0.57	-
Thallium	mg/kg	<3.3	<3.4	<3.1	<3.2	<3.2	<3.2	<3.4	<3.7	<3.3	-	<3.4	-
Vanadium	mg/kg	**49**	**44**	**50**	**52**	**43**	**54**	**42**	**33**	**41**	-	**68**	-
Zinc	mg/kg	**45**	**45**	**47**	**49**	**42**	**49**	**54**	**30**	**35**	-	**59**	-
PCBs													
Aroclor 1016	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1221	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1262	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Aroclor 1268	mg/kg	<0.055	-	<0.054	-	<0.054	-	-	-	-	-	-	-
Total PCBs	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
TPH													
TPH as Gasoline	mg/kg	<3.2	-	<3.1	-	<3.5	-	-	<2.4	<3.4	<3.8	<3.4	<2.6
TPH as Diesel	mg/kg	<11	-	<11	-	<11	-	<12	-	<11	-	<11	-
TPH as Motor Oil	mg/kg	<22	-	<22	-	<21	-	<24	-	<22	-	<23	-
VOC													
1,4-Dichloro-2-butene (total)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,4-Dichloro-2-butene(cis)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Allyl chloride	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1,1,2-Tetrachloroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1,1-Trichloroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1,2,2-Tetrachloroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1,2-Trichloroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1,2-Trichlorotrifluoroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1-Dichloroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1-Dichloroethene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,1-Dichloropropene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2,3-Trichlorobenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		SB-63		SB-64		SB-65		SB-67		SB-69		SB-70	
		SB-63-6.5	SB-63-8	SB-64-6.5	SB-64-8	SB-65-6.5	SB-65-8	SB-67-BS	SB-67-1BS	SB-69-BS	SB-69-1BS	SB-70-BS	SB-70-1BS
		6.5 - 7	8 - 8.5	6.5 - 7	8 - 8.5	6.5 - 7	8 - 8.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5
		03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		481295	481295	481295	481295	481295	481295	481295	481295	481295	481295	481295	481295
	Unit												
1,2,3-Trichloropropane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2,4-Trichlorobenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2,4-Trimethylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2-Dibromo-3-chloropropane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2-Dibromoethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2-Dichlorobenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2-Dichloroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2-Dichloroethene(cis)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2-Dichloroethene(trans)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,2-Dichloropropane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,3,5-Trimethylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,3-Dichlorobenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,3-Dichloropropane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,3-Dichloropropene(cis)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,3-Dichloropropene(trans)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
1,4-Dichlorobenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
2,2-Dichloropropane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
2-chlorotoluene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
4-Chlorotoluene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
4-Methyl-2-pentanone	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Acetone	mg/kg	<0.17	-	<0.12	-	<0.092	-	-	<0.1	-	<0.084	-	<0.11
Benzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Bromobenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Bromochloromethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Bromodichloromethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Bromoform	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Bromomethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Carbon tetrachloride	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Chlorobenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Chlorodibromomethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Chloroethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Chloroform	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Chloromethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Dibromomethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Dichlorodifluoromethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Dichloromethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Ethylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Hexachlorobutadiene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Isopropylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Methyl Ethyl Ketone	mg/kg	<0.17	-	<0.12	-	<0.092	-	-	<0.1	-	<0.084	-	<0.11
Methyl Tertiary Butyl Ether	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Naphthalene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
n-butylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
n-propylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
p-isopropyltoluene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
sec-butylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Styrene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		SB-63		SB-64		SB-65		SB-67		SB-69		SB-70	
		SB-63-6.5	SB-63-8	SB-64-6.5	SB-64-8	SB-65-6.5	SB-65-8	SB-67-BS	SB-67-1BS	SB-69-BS	SB-69-1BS	SB-70-BS	SB-70-1BS
		6.5 - 7	8 - 8.5	6.5 - 7	8 - 8.5	6.5 - 7	8 - 8.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5
		03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		481295	481295	481295	481295	481295	481295	481295	481295	481295	481295	481295	481295
	Unit												
tert-Butylbenzene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Tetrachloroethene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Toluene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Trichloroethene	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Trichlorofluoromethane	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Vinyl chloride	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Xylene (m & p)	mg/kg	<0.017	-	<0.012	-	<0.0092	-	-	<0.01	-	<0.0084	-	<0.011
Xylene (o)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054
Xylenes (total)	mg/kg	<0.0084	-	<0.0058	-	<0.0046	-	-	<0.0051	-	<0.0042	-	<0.0054

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory rep
B = Contamination found in associated method bla
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group

Selected Screening Levels for soil were selected in
#1: for arsenic, the Southern California backgrounc
mg/kg (Chernoff, Bosan, and Oudiz 2008)
#2: for all other constituents, the most recent risk-
Environmental Protection Agency Department of T
Control modified United States Environmental Prot
Regional Screening Levels (RSLs) for commercial/in
2022), and
#3: if no DTSC-modified value is established for a g
constituent, other than arsenic, the November 202
Screening Levels RSL for commercial/industrial soil
cancer and non-cancer risk numbers are presented
of the two were used. For USEPA RSL tables, a targ
and a target hazard quotient of 1.0 were used.

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		SB-71			SB-72			SB-73		SB-74	
		SB-71-3.5	SB-71-4	SB-71-6	SB-72-2.5	SB-72-4	SB-72-6	SB-73-0.5	SB-73-2.5	SB-74-BS	SB-74-1BS
		3.5 - 3.5	4 - 4.5	6 - 6.5	2.5 - 2.5	4 - 4.5	6 - 6.5	0.5 - 1	2.5 - 3	0 - 0.5	1 - 1.5
		03/10/2023	03/14/2023	03/14/2023	03/10/2023	03/14/2023	03/14/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		481298	481528	481528	481298	481528	481528	481298	481298	481295	481295
	Unit										
Inorganic											
Moisture	%	**13**	**14**	**13**	**14**	**14**	**14**	**8**	**9**	**10**	**10**
Metal											
Antimony	mg/kg	<3.3	<3.4	-	<3.4	<3.4	-	<3.2	<3.2	<3.2	<3.2
Arsenic	mg/kg	**5.3**	**7.8**	-	**5.2**	**5.1**	-	**2.3**	**2.7**	**2.4**	**2.3**
Barium	mg/kg	**140**	**140**	-	**140**	**190**	-	**190**	**290**	**240**	**310**
Beryllium	mg/kg	<0.56	<0.56	-	<0.56	<0.57	-	<0.53	<0.54	<0.53	<0.53
Cadmium	mg/kg	<0.56	<0.56	-	<0.56	<0.57	-	<0.53	<0.54	<0.53	<0.53
Chromium (III+VI)	mg/kg	**29**	**22**	-	**28**	**26**	-	**16**	**20**	**17**	**16**
Cobalt	mg/kg	**9**	**6.9**	-	**7.7**	**9.3**	-	**8.2**	**11**	**10**	**9.6**
Copper	mg/kg	**36**	**30**	-	**30**	**33**	-	**18**	**17**	**14**	**13**
Lead	mg/kg	**13**	**12**	-	**15**	**11**	-	**5.5**	**7.8**	**7.1**	**6.1**
Mercury	mg/kg	<0.18	<0.17	-	<0.17	<0.17	-	<0.17	<0.16	<0.17	<0.18
Molybdenum	mg/kg	**2.4**	**4.9**	-	**3.4**	**3**	-	<1.1	<1.1	<1.1	<1.1
Nickel	mg/kg	**15**	**12**	-	**15**	**14**	-	**8.4**	**8.9**	**7.8**	**6.4**
Selenium	mg/kg	<3.3	<3.4	-	<3.4	<3.4	-	<3.2	<3.2	<3.2	<3.2
Silver	mg/kg	<0.56	<0.56	-	<0.56	<0.57	-	<0.53	<0.54	<0.53	<0.53
Thallium	mg/kg	<3.3	<3.4	-	<3.4	<3.4	-	<3.2	<3.2	<3.2	<3.2
Vanadium	mg/kg	**43**	**39**	-	**41**	**51**	-	**47**	**66**	**65**	**60**
Zinc	mg/kg	**140**	**130**	-	**140**	**140**	-	**54**	**33**	**51**	**51**
PCBs											
Aroclor 1016	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1221	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1232	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1242	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1248	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1254	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1260	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1262	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Aroclor 1268	mg/kg	<0.057	<0.057	-	<0.058	<0.058	-	<0.054	-	-	-
Total PCBs	mg/kg	-	-	-	-	-	-	-	-	-	-
TPH											
TPH as Gasoline	mg/kg	<3.5	<3.3	<3.6	<3.7	<3.3	<3	<4	<3.2	<3.3	<3.3
TPH as Diesel	mg/kg	<11	<12	-	<12	<12	-	<11	-	<11	-
TPH as Motor Oil	mg/kg	<23	<23	-	<23	<23	-	<22	-	<22	-
VOC											
1,4-Dichloro-2-butene (total)	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,4-Dichloro-2-butene(cis)	mg/kg	<0.028	<0.018	<0.015	<0.022	<0.02	<0.017	-	<0.026	-	<0.005
Allyl chloride	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1,1,2-Tetrachloroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1,1-Trichloroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1,2,2-Tetrachloroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1,2-Trichloroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1,2-Trichlorotrifluoroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1-Dichloroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1-Dichloroethene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,1-Dichloropropene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2,3-Trichlorobenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

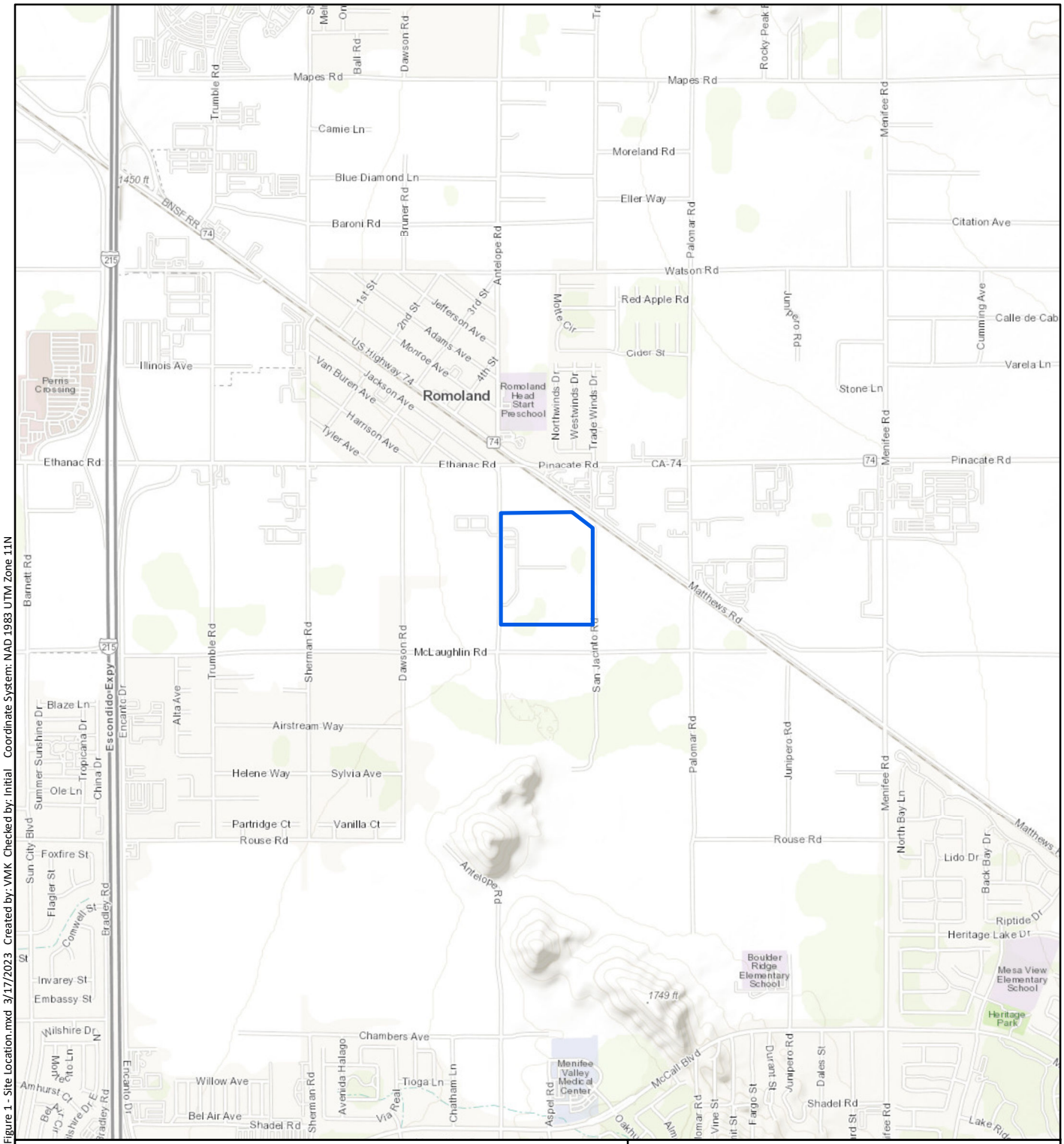
		SB-71			SB-72			SB-73		SB-74	
		SB-71-3.5	SB-71-4	SB-71-6	SB-72-2.5	SB-72-4	SB-72-6	SB-73-0.5	SB-73-2.5	SB-74-BS	SB-74-1BS
		3.5 - 3.5	4 - 4.5	6 - 6.5	2.5 - 2.5	4 - 4.5	6 - 6.5	0.5 - 1	2.5 - 3	0 - 0.5	1 - 1.5
		03/10/2023	03/14/2023	03/14/2023	03/10/2023	03/14/2023	03/14/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		481298	481528	481528	481298	481528	481528	481298	481298	481295	481295
	Unit										
1,2,3-Trichloropropane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2,4-Trichlorobenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2,4-Trimethylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2-Dibromo-3-chloropropane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2-Dibromoethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2-Dichlorobenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2-Dichloroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2-Dichloroethene(cis)	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2-Dichloroethene(trans)	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,2-Dichloropropane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,3,5-Trimethylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,3-Dichlorobenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,3-Dichloropropane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,3-Dichloropropene(cis)	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,3-Dichloropropene(trans)	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
1,4-Dichlorobenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
2,2-Dichloropropane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
2-chlorotoluene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
4-Chlorotoluene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
4-Methyl-2-pentanone	mg/kg	<0.015	<0.01	<0.0084	<0.012	<0.011	<0.0097	-	<0.014	-	<0.005
Acetone	mg/kg	<0.19	<0.12	<0.1	<0.15	<0.14	<0.12	-	<0.17	-	<0.1
Benzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Bromobenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Bromochloromethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Bromodichloromethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Bromoform	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Bromomethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Carbon tetrachloride	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Chlorobenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Chlorodibromomethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Chloroethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Chloroform	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Chloromethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Dibromomethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Dichlorodifluoromethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Dichloromethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Ethylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Hexachlorobutadiene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Isopropylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Methyl Ethyl Ketone	mg/kg	<0.19	<0.12	<0.1	<0.15	<0.14	<0.12	-	<0.17	-	<0.1
Methyl Tertiary Butyl Ether	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Naphthalene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
n-butylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
n-propylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
p-isopropyltoluene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
sec-butylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Styrene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005

Table 2
Laboratory Analytical Results – Soil
Soil Investigation
Former IEEC

		SB-71			SB-72			SB-73		SB-74	
		SB-71-3.5	SB-71-4	SB-71-6	SB-72-2.5	SB-72-4	SB-72-6	SB-73-0.5	SB-73-2.5	SB-74-BS	SB-74-1BS
		3.5 - 3.5	4 - 4.5	6 - 6.5	2.5 - 2.5	4 - 4.5	6 - 6.5	0.5 - 1	2.5 - 3	0 - 0.5	1 - 1.5
		03/10/2023	03/14/2023	03/14/2023	03/10/2023	03/14/2023	03/14/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
		481298	481528	481528	481298	481528	481528	481298	481298	481295	481295
	Unit										
tert-Butylbenzene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Tetrachloroethene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Toluene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Trichloroethene	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Trichlorofluoromethane	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Vinyl chloride	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Xylene (m & p)	mg/kg	<0.019	<0.012	<0.01	<0.015	<0.014	<0.012	-	<0.017	-	<0.01
Xylene (o)	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005
Xylenes (total)	mg/kg	<0.0094	<0.0062	<0.0051	<0.0074	<0.0069	<0.006	-	<0.0087	-	<0.005

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory rep
B = Contamination found in associated method bla
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group

Selected Screening Levels for soil were selected in
#1: for arsenic, the Southern California backgrounc
mg/kg (Chernoff, Bosan, and Oudiz 2008)
#2: for all other constituents, the most recent risk-
Environmental Protection Agency Department of T
Control modified United States Environmental Prot
Regional Screening Levels (RSLs) for commercial/in
2022), and
#3: if no DTSC-modified value is established for a g
constituent, other than arsenic, the November 202
Screening Levels RSL for commercial/industrial soil
cancer and non-cancer risk numbers are presented
of the two were used. For USEPA RSL tables, a targ
and a target hazard quotient of 1.0 were used.



0 1,000 2,000 3,000 4,000 Feet

1 inch = 2,000 feet

N

Legend

Site Boundary

Base Map: ESRI World Topographic Map

SAFETY FIRST

terraphase engineering

CLIENT: Calpine Corporation

PROJECT: Former Inland Empire Energy Center
26226 Antelope Road, Menifee, California

PROJECT NUMBER: 0027.008.005

Site Location Map

FIGURE 1

File: N:\GIS\Prj\0027 Calpine\008 Menifee\MXDs\(20230317) Figure 1 - Site Location.mxd 3/17/2023 Created by: VMK Checked by: Initial Coordinate System: NAD 1983 UTM Zone 11N



Notes: Aerial imagery source - Nearmap (January 19, 2023)

SAFETY FIRST

terraphase engineering

CLIENT: Calpine Corporation

PROJECT: Former Inland Empire Energy Center
26226 Antelope Road, Menifee, California

PROJECT NUMBER: 0027.008.005

Judgemental Soil Sample Locations

FIGURE 2

File: N:\GIS\Proj\0027 Calpine\008 Menifee\MXDs\(20230316) Figure 2 - Judgemental Soil Sample Locations.mxd 3/16/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California VI FIPS 0406 Feet

Attachment A

Laboratory Analytical Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

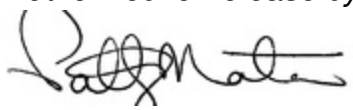
Lab Job Number:	481184
Report Level:	II
Report Date:	03/13/2023

Analytical Report *prepared for:*

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Location: Calpine Menifee 0027.008 001

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481184
Location: Calpine Menifee 0027.008 001
Date Received: 03/09/23

Sample ID	Lab ID	Collected	Matrix
SB-63-0.5	481184-001	03/09/23 08:30	Soil
SB-63-2.5	481184-002	03/09/23 08:35	Soil
SB-64-0.5	481184-003	03/09/23 08:50	Soil
SB-64-2.5	481184-004	03/09/23 12:12	Soil
SB-65-0.5	481184-005	03/09/23 12:25	Soil
SB-65-2.5	481184-006	03/09/23 12:30	Soil
SB-59-0.5	481184-007	03/09/23 13:27	Soil
SB-59-2.5	481184-008	03/09/23 13:29	Soil
EB-20230309-HA	481184-009	03/09/23 15:05	Water
TB-20230309	481184-010	03/09/23 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Terraphase Engineering	Lab Job Number: 481184
18401 Von Karman Ave, Suite #410	Location: Calpine Menifee 0027.008 001
Irvine, CA 92612	Date Received: 03/09/23
Alice Price	

This data package contains sample and QC results for two soil samples and two water samples, requested for the above referenced project on 03/09/23. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M) Soil:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

PCBs (EPA 8082) Water:
No analytical problems were encountered.

PCBs (EPA 8082) Soil:
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- High responses were observed for selenium and thallium in the ICV analyzed 03/13/23 11:18; affected data was qualified with "b". These analytes were not detected at or above the RLs in the associated samples.
- High responses were observed for selenium and thallium in the CCV analyzed 03/13/23 12:01; affected data was qualified with "b". These analytes were not detected at or above the RLs in the associated samples.
- High responses were observed for selenium and thallium in the CCV analyzed 03/13/23 12:40; affected data was qualified with "b". These analytes were not detected at or above the RLs in the associated samples.
- High responses were observed for selenium and thallium in the CCV analyzed 03/13/23 13:03; affected data was qualified with "b". These analytes were not detected at or above the RLs in the associated samples.
- Low recoveries were observed for antimony in the MS/MSD of SB-59-0.5 (lab # 481184-007); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Moisture (ASTM D2216):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481184
Location: Calpine Menifee 0027.008 001
Date Received: 03/09/23

Sample ID: SB-59-0.5 **Lab ID: 481184-007** **Collected: 03/09/23 13:27**
Matrix: Soil **Basis: Dry**

481184-007 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**7**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**170**		mg/Kg	1.0
Chromium	**9.9**		mg/Kg	1.0
Cobalt	**8.4**		mg/Kg	0.52
Copper	**11**		mg/Kg	1.0
Lead	**4.3**		mg/Kg	1.0
Nickel	**5.5**		mg/Kg	1.0
Vanadium	**42**		mg/Kg	1.0
Zinc	**39**		mg/Kg	5.2

Sample ID: SB-59-2.5 **Lab ID: 481184-008** **Collected: 03/09/23 13:29**
Matrix: Soil **Basis: Dry**

481184-008 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**5**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**150**		mg/Kg	1.0
Chromium	**7.9**		mg/Kg	1.0
Cobalt	**7.1**		mg/Kg	0.51
Copper	**9.5**		mg/Kg	1.0
Lead	**3.3**		mg/Kg	1.0
Nickel	**4.3**		mg/Kg	1.0
Vanadium	**38**		mg/Kg	1.0
Zinc	**34**		mg/Kg	5.1

Sample ID: EB-20230309-HA **Lab ID: 481184-009** **Collected: 03/09/23 15:05**

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: TB-20230309	Lab ID: 481184-010	Collected: 03/09/23

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 481184

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Quote #:	
Report To:	Alice Hale Price	Proj. Name:	Calpine Menifee
Email:	alice.hale.price@terraphase.com	Proj. #:	0027.008.001
Address:	18401 Von Karmen #410	P.O. #:	
	Irvine CA	Address:	26226 Antelope Rd
Phone:	510-390-1276	Global ID:	
Fax:		Sampled By:	VMK

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH-g-d-mo 8015M	PCBs 8082	VOCs 8260	Moisture Content	Total metals 6010/7474					Hold	Test Instructions / Comments
1	SB-63-0.5	3/9/23	0830	S	1 8oz Svoa											X	Report results in dry weight
2	SB-63-2.5		0835													X	
3	SB-64-0.5		0850													X	
4	SB-64-2.5		1212													X	
5	SB-65-0.5		1225													X	
6	SB-65-2.5		1230													X	
7	SB-59-0.5		1327				X	X		X	X						
8	SB-59-2.5		1329	↓	↓		*	*	X	X	*						Extract and hold *
9	EB-20230309-HA	↓	1505	W	2 1L Svoa		X	X	X								
10	TB-20230309	03-09-23	—	W	2 voa				X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Vanya Keyes	TEI Srsll	3/9/23 1540
1 Received By:		Alex Cota	EASD	3/9/23 15:41
2 Relinquished By:		Alex Cota	EASD	3/9/23 17:30
2 Received By:		Zoila Padilla	EA/GL	3/09/23 1750.
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: Calpine Menifee 0027.008 001

Date Received: 3/9/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 20.5 #2: _____ #3: _____ #4: _____

(Acceptance range is <6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 7.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/09/23

ENTHALPY ANALYTICAL

Analysis Results for 481184

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481184
Location: Calpine Menifee 0027.008 001
Date Received: 03/09/23

Sample ID: SB-59-0.5 | **Lab ID: 481184-007** | **Collected: 03/09/23 13:27**
Matrix: Soil | **Basis: Dry**

481184-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**7**		%	1	1	309476	03/10/23	03/11/23	WWC
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.1	0.97	309502	03/11/23	03/13/23	SBW
Arsenic	ND		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Barium	**170**		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Beryllium	ND		mg/Kg	0.52	0.97	309502	03/11/23	03/13/23	SBW
Cadmium	ND		mg/Kg	0.52	0.97	309502	03/11/23	03/13/23	SBW
Chromium	**9.9**		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Cobalt	**8.4**		mg/Kg	0.52	0.97	309502	03/11/23	03/13/23	SBW
Copper	**11**		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Lead	**4.3**		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Molybdenum	ND		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Nickel	**5.5**		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Selenium	ND		mg/Kg	3.1	0.97	309502	03/11/23	03/13/23	SBW
Silver	ND		mg/Kg	0.52	0.97	309502	03/11/23	03/13/23	SBW
Thallium	ND		mg/Kg	3.1	0.97	309502	03/11/23	03/13/23	SBW
Vanadium	**42**		mg/Kg	1.0	0.97	309502	03/11/23	03/13/23	SBW
Zinc	**39**		mg/Kg	5.2	0.97	309502	03/11/23	03/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309471	03/10/23	03/10/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.0	0.92	309453	03/10/23	03/10/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	84%		%REC	60-140	0.92	309453	03/10/23	03/10/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	11	0.99	309473	03/10/23	03/11/23	BJG
DRO C10-C28	ND		mg/Kg	11	0.99	309473	03/10/23	03/11/23	BJG
ORO C28-C44	ND		mg/Kg	21	0.99	309473	03/10/23	03/11/23	BJG
Surrogates				**Limits**					
n-Triacontane	101%		%REC	70-130	0.99	309473	03/10/23	03/11/23	BJG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

481184-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1221	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1232	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1242	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1248	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1254	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1260	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1262	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Aroclor-1268	ND		ug/Kg	53	0.98	309433	03/10/23	03/11/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	53%		%REC	19-121	0.98	309433	03/10/23	03/11/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

Sample ID: SB-59-2.5	Lab ID: 481184-008	Collected: 03/09/23 13:29
	Matrix: Soil	Basis: Dry

481184-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**5**		%	1	1	309476	03/10/23	03/11/23	WWC
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	0.96	309502	03/11/23	03/13/23	SBW
Arsenic	ND		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Barium	**150**		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Beryllium	ND		mg/Kg	0.51	0.96	309502	03/11/23	03/13/23	SBW
Cadmium	ND		mg/Kg	0.51	0.96	309502	03/11/23	03/13/23	SBW
Chromium	**7.9**		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Cobalt	**7.1**		mg/Kg	0.51	0.96	309502	03/11/23	03/13/23	SBW
Copper	**9.5**		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Lead	**3.3**		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Molybdenum	ND		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Nickel	**4.3**		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Selenium	ND		mg/Kg	3.0	0.96	309502	03/11/23	03/13/23	SBW
Silver	ND		mg/Kg	0.51	0.96	309502	03/11/23	03/13/23	SBW
Thallium	ND		mg/Kg	3.0	0.96	309502	03/11/23	03/13/23	SBW
Vanadium	**38**		mg/Kg	1.0	0.96	309502	03/11/23	03/13/23	SBW
Zinc	**34**		mg/Kg	5.1	0.96	309502	03/11/23	03/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1	309471	03/10/23	03/10/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	11	1	309473	03/10/23	03/11/23	BJG
DRO C10-C28	ND		mg/Kg	11	1	309473	03/10/23	03/11/23	BJG
ORO C28-C44	ND		mg/Kg	21	1	309473	03/10/23	03/11/23	BJG
Surrogates				**Limits**					
n-Triacontane	105%		%REC	70-130	1	309473	03/10/23	03/11/23	BJG
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1221	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1232	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1242	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1248	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1254	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1260	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1262	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES
Aroclor-1268	ND		ug/Kg	52	0.99	309472	03/10/23	03/13/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

481184-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	78%		%REC	19-121	0.99	309472	03/10/23	03/13/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Freon 12	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Chloromethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Vinyl Chloride	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Bromomethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Chloroethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Trichlorofluoromethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Acetone	ND		ug/Kg	110	1.1	309406	03/10/23	03/10/23	HMN
Freon 113	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,1-Dichloroethene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Methylene Chloride	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
MTBE	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,1-Dichloroethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
2-Butanone	ND		ug/Kg	110	1.1	309406	03/10/23	03/10/23	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
2,2-Dichloropropane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Chloroform	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Bromochloromethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,1,1-Trichloroethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,1-Dichloropropene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Carbon Tetrachloride	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2-Dichloroethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Benzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Trichloroethene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2-Dichloropropane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Bromodichloromethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Dibromomethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Toluene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,1,2-Trichloroethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,3-Dichloropropane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Tetrachloroethene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Dibromochloromethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2-Dibromoethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Chlorobenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Ethylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

481184-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/Kg	11	1.1	309406	03/10/23	03/10/23	HMN
o-Xylene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Styrene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Bromoform	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Isopropylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2,3-Trichloropropane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Propylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Bromobenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
2-Chlorotoluene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
4-Chlorotoluene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
tert-Butylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
sec-Butylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
para-Isopropyl Toluene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,3-Dichlorobenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,4-Dichlorobenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
n-Butylbenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2-Dichlorobenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Hexachlorobutadiene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Naphthalene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Xylene (total)	ND		ug/Kg	5.6	1.1	309406	03/10/23	03/10/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	99%		%REC	70-145	1.1	309406	03/10/23	03/10/23	HMN
1,2-Dichloroethane-d4	107%		%REC	70-145	1.1	309406	03/10/23	03/10/23	HMN
Toluene-d8	100%		%REC	70-145	1.1	309406	03/10/23	03/10/23	HMN
Bromofluorobenzene	99%		%REC	70-145	1.1	309406	03/10/23	03/10/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

Sample ID: EB-20230309-HA	Lab ID: 481184-009	Collected: 03/09/23 15:05
	Matrix: Water	

481184-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	309470	03/11/23	03/11/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	91%		%REC	60-140	1	309470	03/11/23	03/11/23	TCN
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.099	0.99	309408	03/10/23	03/10/23	BJG
TPH (C13-C28)	ND		mg/L	0.099	0.99	309408	03/10/23	03/10/23	BJG
TPH (C29-C44)	ND		mg/L	0.30	0.99	309408	03/10/23	03/10/23	BJG
Surrogates				**Limits**					
n-Triacontane	69%		%REC	35-130	0.99	309408	03/10/23	03/10/23	BJG
Method: EPA 8082 Prep Method: EPA 3510C									
Aroclor-1016	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1221	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1232	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1242	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1248	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1254	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1260	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1262	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Aroclor-1268	ND		ug/L	0.49	0.98	309441	03/10/23	03/11/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	60%		%REC	18-126	0.98	309441	03/10/23	03/11/23	MES
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Freon 12	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Chloromethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Vinyl Chloride	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Bromomethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Chloroethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Trichlorofluoromethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Acetone	ND		ug/L	100	1	309403	03/09/23	03/09/23	HMN
Freon 113	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,1-Dichloroethene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Methylene Chloride	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
MTBE	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,1-Dichloroethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
2-Butanone	ND		ug/L	100	1	309403	03/09/23	03/09/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

481184-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
2,2-Dichloropropane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Chloroform	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Bromochloromethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,1-Dichloropropene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Carbon Tetrachloride	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2-Dichloroethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Benzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Trichloroethene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2-Dichloropropane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Bromodichloromethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Dibromomethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Toluene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,3-Dichloropropane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Tetrachloroethene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Dibromochloromethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2-Dibromoethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Chlorobenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Ethylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
m,p-Xylenes	ND		ug/L	10	1	309403	03/09/23	03/09/23	HMN
o-Xylene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Styrene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Bromoform	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Isopropylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Propylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Bromobenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
2-Chlorotoluene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
4-Chlorotoluene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
tert-Butylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
sec-Butylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
n-Butylbenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

481184-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2,4-Trichlorobenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Hexachlorobutadiene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Naphthalene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Xylene (total)	ND		ug/L	5.0	1	309403	03/09/23	03/09/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-140	1	309403	03/09/23	03/09/23	HMN
1,2-Dichloroethane-d4	94%		%REC	70-140	1	309403	03/09/23	03/09/23	HMN
Toluene-d8	98%		%REC	70-140	1	309403	03/09/23	03/09/23	HMN
Bromofluorobenzene	101%		%REC	70-140	1	309403	03/09/23	03/09/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481184

Sample ID: TB-20230309	Lab ID: 481184-010	Collected: 03/09/23
	Matrix: Water	

481184-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Freon 12	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Chloromethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Vinyl Chloride	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Bromomethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Chloroethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Trichlorofluoromethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Acetone	ND		ug/L	100	1	309403	03/10/23	03/10/23	HMN
Freon 113	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,1-Dichloroethene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Methylene Chloride	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
MTBE	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,1-Dichloroethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
2-Butanone	ND		ug/L	100	1	309403	03/10/23	03/10/23	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
2,2-Dichloropropane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Chloroform	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Bromochloromethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,1-Dichloropropene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Carbon Tetrachloride	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2-Dichloroethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Benzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Trichloroethene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2-Dichloropropane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Bromodichloromethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Dibromomethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Toluene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,3-Dichloropropane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Tetrachloroethene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Dibromochloromethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2-Dibromoethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Chlorobenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Ethylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 481184

481184-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/L	10	1	309403	03/10/23	03/10/23	HMN
o-Xylene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Styrene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Bromoform	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Isopropylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Propylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Bromobenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
2-Chlorotoluene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
4-Chlorotoluene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
tert-Butylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
sec-Butylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
n-Butylbenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Hexachlorobutadiene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Naphthalene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Xylene (total)	ND		ug/L	5.0	1	309403	03/10/23	03/10/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-140	1	309403	03/10/23	03/10/23	HMN
1,2-Dichloroethane-d4	95%		%REC	70-140	1	309403	03/10/23	03/10/23	HMN
Toluene-d8	99%		%REC	70-140	1	309403	03/10/23	03/10/23	HMN
Bromofluorobenzene	100%		%REC	70-140	1	309403	03/10/23	03/10/23	HMN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1051318**	**Batch:**	**309476**
Matrix (Source ID):	**Soil (481085-004)**	**Method:**	**ASTM D2216**	**Prep Method:**	**METHOD**

QC1051318 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	15.59	14.27	%		9	26		1

Type:	**Blank**	**Lab ID:**	**QC1051386**	**Batch:**	**309502**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1051386 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	03/11/23	03/13/23
Arsenic	ND		mg/Kg	1.0	03/11/23	03/13/23
Barium	ND		mg/Kg	1.0	03/11/23	03/13/23
Beryllium	ND		mg/Kg	0.50	03/11/23	03/13/23
Cadmium	ND		mg/Kg	0.50	03/11/23	03/13/23
Chromium	ND		mg/Kg	1.0	03/11/23	03/13/23
Cobalt	ND		mg/Kg	0.50	03/11/23	03/13/23
Copper	ND		mg/Kg	1.0	03/11/23	03/13/23
Lead	ND		mg/Kg	1.0	03/11/23	03/13/23
Molybdenum	ND		mg/Kg	10	03/11/23	03/13/23
Nickel	ND		mg/Kg	1.0	03/11/23	03/13/23
Selenium	ND		mg/Kg	3.0	03/11/23	03/13/23
Silver	ND		mg/Kg	0.50	03/11/23	03/13/23
Thallium	ND		mg/Kg	3.0	03/11/23	03/13/23
Vanadium	ND		mg/Kg	1.0	03/11/23	03/13/23
Zinc	ND		mg/Kg	5.0	03/11/23	03/13/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1051387	**Batch:** 309502
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1051387 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	106.7	100.0	mg/Kg	107%		80-120
Arsenic	96.56	100.0	mg/Kg	97%		80-120
Barium	108.3	100.0	mg/Kg	108%		80-120
Beryllium	106.1	100.0	mg/Kg	106%		80-120
Cadmium	105.9	100.0	mg/Kg	106%		80-120
Chromium	106.9	100.0	mg/Kg	107%		80-120
Cobalt	109.2	100.0	mg/Kg	109%		80-120
Copper	97.93	100.0	mg/Kg	98%		80-120
Lead	111.5	100.0	mg/Kg	112%		80-120
Molybdenum	107.3	100.0	mg/Kg	107%		80-120
Nickel	106.8	100.0	mg/Kg	107%		80-120
Selenium	109.3	100.0	mg/Kg	109%	b	80-120
Silver	47.83	50.00	mg/Kg	96%		80-120
Thallium	108.9	100.0	mg/Kg	109%	b	80-120
Vanadium	99.78	100.0	mg/Kg	100%		80-120
Zinc	107.5	100.0	mg/Kg	107%		80-120

Type: Matrix Spike	**Lab ID:** QC1051388	**Batch:** 309502
Matrix (Source ID): Soil (481184-007)	**Method:** EPA 6010B	**Prep Method:** EPA 3050B
		Basis: Dry

QC1051388 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	34.87	0.9313	106.5	mg/Kg	32%	*	75-125	0.99
Arsenic	105.0	0.5535	106.5	mg/Kg	98%		75-125	0.99
Barium	297.5	168.8	106.5	mg/Kg	121%		75-125	0.99
Beryllium	116.2	0.2105	106.5	mg/Kg	109%		75-125	0.99
Cadmium	112.2	0.5189	106.5	mg/Kg	105%		75-125	0.99
Chromium	127.2	9.921	106.5	mg/Kg	110%		75-125	0.99
Cobalt	122.9	8.401	106.5	mg/Kg	108%		75-125	0.99
Copper	123.9	10.92	106.5	mg/Kg	106%		75-125	0.99
Lead	122.2	4.334	106.5	mg/Kg	111%		75-125	0.99
Molybdenum	110.7	ND	106.5	mg/Kg	104%		75-125	0.99
Nickel	119.2	5.512	106.5	mg/Kg	107%		75-125	0.99
Selenium	115.6	ND	106.5	mg/Kg	109%	b	75-125	0.99
Silver	52.20	ND	53.23	mg/Kg	98%		75-125	0.99
Thallium	105.7	ND	106.5	mg/Kg	99%	b	75-125	0.99
Vanadium	155.6	42.25	106.5	mg/Kg	107%		75-125	0.99
Zinc	153.9	39.05	106.5	mg/Kg	108%		75-125	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051389**	**Batch:**	**309502**
Matrix (Source ID):	**Soil (481184-007)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1051389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	34.53	0.9313	106.5	mg/Kg	32%	*	75-125	1	41	0.99
Arsenic	104.2	0.5535	106.5	mg/Kg	97%		75-125	1	35	0.99
Barium	292.1	168.8	106.5	mg/Kg	116%		75-125	2	20	0.99
Beryllium	113.2	0.2105	106.5	mg/Kg	106%		75-125	3	20	0.99
Cadmium	110.7	0.5189	106.5	mg/Kg	103%		75-125	1	20	0.99
Chromium	125.0	9.921	106.5	mg/Kg	108%		75-125	2	20	0.99
Cobalt	122.2	8.401	106.5	mg/Kg	107%		75-125	1	20	0.99
Copper	121.9	10.92	106.5	mg/Kg	104%		75-125	2	20	0.99
Lead	120.4	4.334	106.5	mg/Kg	109%		75-125	1	20	0.99
Molybdenum	108.7	ND	106.5	mg/Kg	102%		75-125	2	20	0.99
Nickel	117.8	5.512	106.5	mg/Kg	106%		75-125	1	20	0.99
Selenium	115.2	ND	106.5	mg/Kg	108%	b	75-125	0	20	0.99
Silver	51.34	ND	53.23	mg/Kg	96%		75-125	2	20	0.99
Thallium	103.4	ND	106.5	mg/Kg	97%	b	75-125	2	20	0.99
Vanadium	152.2	42.25	106.5	mg/Kg	103%		75-125	2	20	0.99
Zinc	152.6	39.05	106.5	mg/Kg	107%		75-125	1	20	0.99

Type:	**Blank**	**Lab ID:**	**QC1051300**	**Batch:**	**309471**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1051300 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	03/10/23	03/10/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051301**	**Batch:**	**309471**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1051301 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8270	0.8333	mg/Kg	99%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1051302**	**Batch:**	**309471**
Matrix (Source ID):	**Soil (481086-025)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1051302 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9397	0.01694	0.8772	mg/Kg	105%		75-125	1.1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051303**	**Batch:**	**309471**
Matrix (Source ID):	**Soil (481086-025)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1051303 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8894	0.01694	0.8772	mg/Kg	99%		75-125	6	20	1.1

Type:	**Blank**	**Lab ID:**	**QC1051116**	**Batch:**	**309408**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1051116 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	03/10/23	03/10/23
TPH (C13-C28)	ND		mg/L	0.10	03/10/23	03/10/23
TPH (C29-C44)	ND		mg/L	0.30	03/10/23	03/10/23
Surrogates				**Limits**		
n-Triacontane	63%		%REC	35-130	03/10/23	03/10/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051117**	**Batch:**	**309408**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1051117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6195	1.000	mg/L	62%		42-120
Surrogates						
n-Triacontane	0.01415	0.02000	mg/L	71%		35-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1051118**	**Batch:**	**309408**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1051118 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.6135	1.000	mg/L	61%		42-120	1	36
Surrogates								
n-Triacontane	0.01305	0.02000	mg/L	65%		35-130		

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051296**	**Batch:**	**309470**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1051296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	587.0	500.0	ug/L	117%		70-130
Surrogates						
Bromofluorobenzene (FID)	169.0	200.0	ug/L	84%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1051297**	**Batch:**	**309470**
Matrix (Source ID):	**Water (481073-005)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1051297 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	552.0	ND	500.0	ug/L	110%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	191.2		200.0	ug/L	96%		60-140	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051298**	**Batch:**	**309470**
Matrix (Source ID):	**Water (481073-005)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1051298 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	541.5	ND	500.0	ug/L	108%		70-130	2	30	1
Surrogates										
Bromofluorobenzene (FID)	219.5		200.0	ug/L	110%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC1051299**	**Batch:**	**309470**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1051299 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	03/10/23	03/10/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	97%		%REC	60-140	03/10/23	03/10/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051240**	**Batch:**	**309453**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5035**

QC1051240 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.003	5.000	mg/Kg	100%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2245	0.2000	mg/Kg	112%		60-140

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1051241**	**Batch:**	**309453**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5035**

QC1051241 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	4.985	5.000	mg/Kg	100%		70-130	0	20
Surrogates								
Bromofluorobenzene (FID)	0.2350	0.2000	mg/Kg	118%		60-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1051242	Batch: 309453
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051242 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	03/10/23	03/10/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	85%		%REC	60-140	03/10/23	03/10/23

Type: Blank	Lab ID: QC1051243	Batch: 309453
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051243 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	03/10/23	03/10/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	84%		%REC	60-140	03/10/23	03/10/23

Type: Blank	Lab ID: QC1051306	Batch: 309473
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1051306 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	9.9	03/10/23	03/11/23
DRO C10-C28	ND		mg/Kg	9.9	03/10/23	03/11/23
ORO C28-C44	ND		mg/Kg	20	03/10/23	03/11/23
Surrogates				**Limits**		
n-Triacontane	90%		%REC	70-130	03/10/23	03/11/23

Type: Lab Control Sample	Lab ID: QC1051307	Batch: 309473
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1051307 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	229.4	248.4	mg/Kg	92%		76-122
Surrogates						
n-Triacontane	9.892	9.935	mg/Kg	100%		70-130

Type: Matrix Spike	Lab ID: QC1051319	Batch: 309473
Matrix (Source ID): Soil (481184-007)	Method: EPA 8015M	Prep Method: EPA 3580M
		Basis: Dry

QC1051319 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	251.8	ND	268.0	mg/Kg	94%		62-126	1
Surrogates								
n-Triacontane	10.93		10.72	mg/Kg	102%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1051320	**Batch:**	309473
Matrix (Source ID):	Soil (481184-007)	**Method:**	EPA 8015M	**Prep Method:**	EPA 3580M
				Basis:	Dry

QC1051320 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	247.5	ND	268.0	mg/Kg	92%		62-126	2	35	1
Surrogates										
n-Triacontane	11.10		10.72	mg/Kg	104%		70-130			1

Type:	Blank	**Lab ID:**	QC1051201	**Batch:**	309441
Matrix:	Water	**Method:**	EPA 8082	**Prep Method:**	EPA 3510C

QC1051201 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1221	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1232	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1242	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1248	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1254	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1260	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1262	ND		ug/L	0.50	03/10/23	03/10/23
Aroclor-1268	ND		ug/L	0.50	03/10/23	03/10/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	75%		%REC	18-126	03/10/23	03/10/23

Type:	Lab Control Sample	**Lab ID:**	QC1051325	**Batch:**	309441
Matrix:	Water	**Method:**	EPA 8082	**Prep Method:**	EPA 3510C

QC1051325 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.049	5.000	ug/L	81%		36-143
Aroclor-1260	4.548	5.000	ug/L	91%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4141	0.5000	ug/L	83%		18-126

Type:	Lab Control Sample Duplicate	**Lab ID:**	QC1051326	**Batch:**	309441
Matrix:	Water	**Method:**	EPA 8082	**Prep Method:**	EPA 3510C

QC1051326 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.034	5.000	ug/L	81%		36-143	0	39
Aroclor-1260	4.536	5.000	ug/L	91%		31-153	0	20
Surrogates								
Decachlorobiphenyl (PCB)	0.3995	0.5000	ug/L	80%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1051179	Batch: 309433
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1051179 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1221	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1232	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1242	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1248	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1254	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1260	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1262	ND		ug/Kg	50	03/10/23	03/10/23
Aroclor-1268	ND		ug/Kg	50	03/10/23	03/10/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	77%		%REC	19-121	03/10/23	03/10/23

Type: Lab Control Sample	Lab ID: QC1051180	Batch: 309433
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1051180 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	399.0	498.5	ug/Kg	80%		14-150
Aroclor-1260	411.7	498.5	ug/Kg	83%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	35.06	49.85	ug/Kg	70%		19-121

Type: Matrix Spike	Lab ID: QC1051181	Batch: 309433
Matrix (Source ID): Soil (481181-011)	Method: EPA 8082	Prep Method: EPA 3546

QC1051181 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	342.4	ND	497.5	ug/Kg	69%		42-127	1
Aroclor-1260	371.8	ND	497.5	ug/Kg	75%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	31.13		49.75	ug/Kg	63%		19-121	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051182**	**Batch:**	**309433**
Matrix (Source ID):	**Soil (481181-011)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1051182 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	352.1	ND	498.5	ug/Kg	71%		42-127	3	30	1
Aroclor-1260	379.1	ND	498.5	ug/Kg	76%		38-130	2	30	1
Surrogates										
Decachlorobiphenyl (PCB)	32.14		49.85	ug/Kg	64%		19-121			1

Type:	**Blank**	**Lab ID:**	**QC1051304**	**Batch:**	**309472**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1051304 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1221	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1232	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1242	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1248	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1254	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1260	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1262	ND		ug/Kg	50	03/10/23	03/12/23
Aroclor-1268	ND		ug/Kg	50	03/10/23	03/12/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	77%		%REC	19-121	03/10/23	03/12/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051356**	**Batch:**	**309472**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1051356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	382.2	499.0	ug/Kg	77%		14-150
Aroclor-1260	421.6	499.0	ug/Kg	84%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	41.42	49.90	ug/Kg	83%		19-121

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1051357**	**Batch:**	**309472**
Matrix (Source ID):	**Soil (481184-008)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1051357 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	426.6	ND	525.3	ug/Kg	81%		42-127	1
Aroclor-1260	440.4	ND	525.3	ug/Kg	84%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	41.09		52.53	ug/Kg	78%		19-121	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051358**	**Batch:**	**309472**
Matrix (Source ID):	**Soil (481184-008)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1051358 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	361.0	ND	518.5	ug/Kg	70%		42-127	15	30	0.99
Aroclor-1260	380.5	ND	518.5	ug/Kg	73%		38-130	13	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	36.76		51.85	ug/Kg	71%		19-121			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051077**	**Batch:**	**309403**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1051077 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	55.86	50.00	ug/L	112%		70-135
MTBE	55.80	50.00	ug/L	112%		70-130
Benzene	53.26	50.00	ug/L	107%		70-130
Trichloroethene	54.60	50.00	ug/L	109%		70-130
Toluene	50.94	50.00	ug/L	102%		70-130
Chlorobenzene	51.24	50.00	ug/L	102%		70-130
Surrogates						
Dibromofluoromethane	51.75	50.00	ug/L	104%		70-140
1,2-Dichloroethane-d4	46.38	50.00	ug/L	93%		70-140
Toluene-d8	49.55	50.00	ug/L	99%		70-140
Bromofluorobenzene	50.54	50.00	ug/L	101%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1051078**	**Batch:**	**309403**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1051078 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	55.34	50.00	ug/L	111%		70-135	1	30
MTBE	53.92	50.00	ug/L	108%		70-130	3	30
Benzene	51.50	50.00	ug/L	103%		70-130	3	30
Trichloroethene	53.86	50.00	ug/L	108%		70-130	1	30
Toluene	49.88	50.00	ug/L	100%		70-130	2	30
Chlorobenzene	49.92	50.00	ug/L	100%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.10	50.00	ug/L	104%		70-140		
1,2-Dichloroethane-d4	46.09	50.00	ug/L	92%		70-140		
Toluene-d8	49.54	50.00	ug/L	99%		70-140		
Bromofluorobenzene	50.45	50.00	ug/L	101%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1051081**	**Batch:**	**309403**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1051081 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	03/09/23	03/09/23
Freon 12	ND		ug/L	5.0	03/09/23	03/09/23
Chloromethane	ND		ug/L	5.0	03/09/23	03/09/23
Vinyl Chloride	ND		ug/L	5.0	03/09/23	03/09/23
Bromomethane	ND		ug/L	5.0	03/09/23	03/09/23
Chloroethane	ND		ug/L	5.0	03/09/23	03/09/23
Trichlorofluoromethane	ND		ug/L	5.0	03/09/23	03/09/23
Acetone	ND		ug/L	100	03/09/23	03/09/23
Freon 113	ND		ug/L	5.0	03/09/23	03/09/23
1,1-Dichloroethene	ND		ug/L	5.0	03/09/23	03/09/23
Methylene Chloride	ND		ug/L	5.0	03/09/23	03/09/23
MTBE	ND		ug/L	5.0	03/09/23	03/09/23
trans-1,2-Dichloroethene	ND		ug/L	5.0	03/09/23	03/09/23
1,1-Dichloroethane	ND		ug/L	5.0	03/09/23	03/09/23
2-Butanone	ND		ug/L	100	03/09/23	03/09/23
cis-1,2-Dichloroethene	ND		ug/L	5.0	03/09/23	03/09/23
2,2-Dichloropropane	ND		ug/L	5.0	03/09/23	03/09/23
Chloroform	ND		ug/L	5.0	03/09/23	03/09/23
Bromochloromethane	ND		ug/L	5.0	03/09/23	03/09/23
1,1,1-Trichloroethane	ND		ug/L	5.0	03/09/23	03/09/23
1,1-Dichloropropene	ND		ug/L	5.0	03/09/23	03/09/23
Carbon Tetrachloride	ND		ug/L	5.0	03/09/23	03/09/23
1,2-Dichloroethane	ND		ug/L	5.0	03/09/23	03/09/23
Benzene	ND		ug/L	5.0	03/09/23	03/09/23
Trichloroethene	ND		ug/L	5.0	03/09/23	03/09/23
1,2-Dichloropropane	ND		ug/L	5.0	03/09/23	03/09/23
Bromodichloromethane	ND		ug/L	5.0	03/09/23	03/09/23
Dibromomethane	ND		ug/L	5.0	03/09/23	03/09/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	03/09/23	03/09/23
cis-1,3-Dichloropropene	ND		ug/L	5.0	03/09/23	03/09/23
Toluene	ND		ug/L	5.0	03/09/23	03/09/23
trans-1,3-Dichloropropene	ND		ug/L	5.0	03/09/23	03/09/23
1,1,2-Trichloroethane	ND		ug/L	5.0	03/09/23	03/09/23
1,3-Dichloropropane	ND		ug/L	5.0	03/09/23	03/09/23
Tetrachloroethene	ND		ug/L	5.0	03/09/23	03/09/23
Dibromochloromethane	ND		ug/L	5.0	03/09/23	03/09/23
1,2-Dibromoethane	ND		ug/L	5.0	03/09/23	03/09/23
Chlorobenzene	ND		ug/L	5.0	03/09/23	03/09/23
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	03/09/23	03/09/23
Ethylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
m,p-Xylenes	ND		ug/L	10	03/09/23	03/09/23
o-Xylene	ND		ug/L	5.0	03/09/23	03/09/23

ENTHALPY ANALYTICAL

Batch QC

QC1051081 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Styrene	ND		ug/L	5.0	03/09/23	03/09/23
Bromoform	ND		ug/L	5.0	03/09/23	03/09/23
Isopropylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	03/09/23	03/09/23
1,2,3-Trichloropropane	ND		ug/L	5.0	03/09/23	03/09/23
Propylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
Bromobenzene	ND		ug/L	5.0	03/09/23	03/09/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
2-Chlorotoluene	ND		ug/L	5.0	03/09/23	03/09/23
4-Chlorotoluene	ND		ug/L	5.0	03/09/23	03/09/23
tert-Butylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
sec-Butylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
para-Isopropyl Toluene	ND		ug/L	5.0	03/09/23	03/09/23
1,3-Dichlorobenzene	ND		ug/L	5.0	03/09/23	03/09/23
1,4-Dichlorobenzene	ND		ug/L	5.0	03/09/23	03/09/23
n-Butylbenzene	ND		ug/L	5.0	03/09/23	03/09/23
1,2-Dichlorobenzene	ND		ug/L	5.0	03/09/23	03/09/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	03/09/23	03/09/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0	03/09/23	03/09/23
Hexachlorobutadiene	ND		ug/L	5.0	03/09/23	03/09/23
Naphthalene	ND		ug/L	5.0	03/09/23	03/09/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0	03/09/23	03/09/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	03/09/23	03/09/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	03/09/23	03/09/23
Xylene (total)	ND		ug/L	5.0	03/09/23	03/09/23
Surrogates				**Limits**		
Dibromofluoromethane	101%		%REC	70-140	03/09/23	03/09/23
1,2-Dichloroethane-d4	93%		%REC	70-140	03/09/23	03/09/23
Toluene-d8	99%		%REC	70-140	03/09/23	03/09/23
Bromofluorobenzene	102%		%REC	70-140	03/09/23	03/09/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1051104	Batch: 309406
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1051104 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.79	50.00	ug/Kg	106%		70-131
MTBE	51.19	50.00	ug/Kg	102%		69-130
Benzene	52.67	50.00	ug/Kg	105%		70-130
Trichloroethene	52.20	50.00	ug/Kg	104%		70-130
Toluene	53.89	50.00	ug/Kg	108%		70-130
Chlorobenzene	53.96	50.00	ug/Kg	108%		70-130
Surrogates						
Dibromofluoromethane	50.15	50.00	ug/Kg	100%		70-130
1,2-Dichloroethane-d4	51.95	50.00	ug/Kg	104%		70-145
Toluene-d8	50.75	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	50.99	50.00	ug/Kg	102%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1051105	Batch: 309406
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1051105 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	50.57	50.00	ug/Kg	101%		70-131	4	33
MTBE	48.40	50.00	ug/Kg	97%		69-130	6	30
Benzene	49.97	50.00	ug/Kg	100%		70-130	5	30
Trichloroethene	49.19	50.00	ug/Kg	98%		70-130	6	30
Toluene	50.14	50.00	ug/Kg	100%		70-130	7	30
Chlorobenzene	49.53	50.00	ug/Kg	99%		70-130	9	30
Surrogates								
Dibromofluoromethane	49.22	50.00	ug/Kg	98%		70-130		
1,2-Dichloroethane-d4	49.42	50.00	ug/Kg	99%		70-145		
Toluene-d8	49.79	50.00	ug/Kg	100%		70-145		
Bromofluorobenzene	50.65	50.00	ug/Kg	101%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1051108**	**Batch:**	**309406**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1051108 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	03/10/23	03/10/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/10/23	03/10/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/10/23	03/10/23
Freon 12	ND		ug/Kg	5.0	03/10/23	03/10/23
Chloromethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Vinyl Chloride	ND		ug/Kg	5.0	03/10/23	03/10/23
Bromomethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Chloroethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Trichlorofluoromethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Acetone	ND		ug/Kg	100	03/10/23	03/10/23
Freon 113	ND		ug/Kg	5.0	03/10/23	03/10/23
1,1-Dichloroethene	ND		ug/Kg	5.0	03/10/23	03/10/23
Methylene Chloride	ND		ug/Kg	5.0	03/10/23	03/10/23
MTBE	ND		ug/Kg	5.0	03/10/23	03/10/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,1-Dichloroethane	ND		ug/Kg	5.0	03/10/23	03/10/23
2-Butanone	ND		ug/Kg	100	03/10/23	03/10/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	03/10/23	03/10/23
2,2-Dichloropropane	ND		ug/Kg	5.0	03/10/23	03/10/23
Chloroform	ND		ug/Kg	5.0	03/10/23	03/10/23
Bromochloromethane	ND		ug/Kg	5.0	03/10/23	03/10/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	03/10/23	03/10/23
1,1-Dichloropropene	ND		ug/Kg	5.0	03/10/23	03/10/23
Carbon Tetrachloride	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2-Dichloroethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Benzene	ND		ug/Kg	5.0	03/10/23	03/10/23
Trichloroethene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2-Dichloropropane	ND		ug/Kg	5.0	03/10/23	03/10/23
Bromodichloromethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Dibromomethane	ND		ug/Kg	5.0	03/10/23	03/10/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	03/10/23	03/10/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	03/10/23	03/10/23
Toluene	ND		ug/Kg	5.0	03/10/23	03/10/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	03/10/23	03/10/23
1,3-Dichloropropane	ND		ug/Kg	5.0	03/10/23	03/10/23
Tetrachloroethene	ND		ug/Kg	5.0	03/10/23	03/10/23
Dibromochloromethane	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2-Dibromoethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Chlorobenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	03/10/23	03/10/23
Ethylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23

ENTHALPY ANALYTICAL

Batch QC

QC1051108 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	03/10/23	03/10/23
o-Xylene	ND		ug/Kg	5.0	03/10/23	03/10/23
Styrene	ND		ug/Kg	5.0	03/10/23	03/10/23
Bromoform	ND		ug/Kg	5.0	03/10/23	03/10/23
Isopropylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	03/10/23	03/10/23
Propylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
Bromobenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
2-Chlorotoluene	ND		ug/Kg	5.0	03/10/23	03/10/23
4-Chlorotoluene	ND		ug/Kg	5.0	03/10/23	03/10/23
tert-Butylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
sec-Butylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
n-Butylbenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
Hexachlorobutadiene	ND		ug/Kg	5.0	03/10/23	03/10/23
Naphthalene	ND		ug/Kg	5.0	03/10/23	03/10/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	03/10/23	03/10/23
Xylene (total)	ND		ug/Kg	5.0	03/10/23	03/10/23
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-130	03/10/23	03/10/23
1,2-Dichloroethane-d4	101%		%REC	70-145	03/10/23	03/10/23
Toluene-d8	100%		%REC	70-145	03/10/23	03/10/23
Bromofluorobenzene	102%		%REC	70-145	03/10/23	03/10/23

* Value is outside QC limits
ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

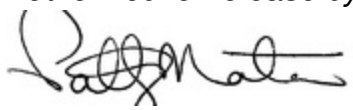
Lab Job Number: 481295
Report Level: II
Report Date: 03/17/2023

Analytical Report *prepared for:*

Alice Hale Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Location: Calpine Menifee, 0027.008.001

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Alice Hale Price Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612		Lab Job #: Location: Date Received:	481295 Calpine Menifee, 0027.008.001 03/10/23

Sample ID	Lab ID	Collected	Matrix
SB-63-6.5	481295-001	03/10/23 12:29	Soil
SB-63-8	481295-002	03/10/23 12:39	Soil
SB-64-6.5	481295-003	03/10/23 11:53	Soil
SB-64-8	481295-004	03/10/23 12:00	Soil
SB-65-6.5	481295-005	03/10/23 10:53	Soil
SB-65-8	481295-006	03/10/23 11:18	Soil
SB-67-BS	481295-007	03/10/23 09:10	Soil
SB-67-1BS	481295-008	03/10/23 09:27	Soil
SB-74-BS	481295-009	03/10/23 09:33	Soil
SB-74-1BS	481295-010	03/10/23 09:35	Soil
SB-69-BS	481295-011	03/10/23 10:25	Soil
SB-69-1BS	481295-012	03/10/23 10:29	Soil
SB-70-BS	481295-013	03/10/23 10:16	Soil
SB-70-1BS	481295-014	03/10/23 10:21	Soil
SB-31-J	481295-015	03/10/23 08:40	Soil
SB-32-J	481295-016	03/10/23 08:21	Soil
SB-38-J	481295-017	03/10/23 08:49	Soil
SB-39-J	481295-018	03/10/23 08:58	Soil
COMPOSITE-J	481295-019	03/10/23 00:00	Soil
SB-33-K	481295-020	03/10/23 08:07	Soil
SB-34-K	481295-021	03/10/23 13:50	Soil
SB-40-K	481295-022	03/10/23 14:04	Soil
SB-41-K	481295-023	03/10/23 13:55	Soil
COMPOSITE-K	481295-024	03/10/23 00:00	Soil
SB-19-G	481295-025	03/10/23 07:45	Soil
SB-20-G	481295-026	03/10/23 13:38	Soil

ENTHALPY ANALYTICAL

Sample Summary

Alice Hale Price Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Location: Date Received:	481295 Calpine Menifee, 0027.008.001 03/10/23

Sample ID	Lab ID	Collected	Matrix
SB-27-G	481295-027	03/10/23 13:42	Soil
COMPOSITE-G	481295-028	03/10/23 00:00	Soil
SB-17-F	481295-029	03/10/23 07:24	Soil
SB-18-F	481295-030	03/10/23 13:25	Soil
SB-24-F	481295-031	03/10/23 14:12	Soil
COMPOSITE-F	481295-032	03/10/23 00:00	Soil
EB-20230310-TROWEL	481295-033	03/10/23 15:15	Water

Case Narrative

Terraphase Engineering	Lab Job Number: 481295
18401 Von Karman Ave, Suite #410	Location: Calpine Menifee, 0027.008.001
Irvine, CA 92612	Date Received: 03/10/23
Alice Hale Price	

This data package contains sample and QC results for eighteen soil samples, two four-point soil composites, two three-point soil composites, and one water sample, requested for the above referenced project on 03/10/23. The samples were received cold and intact. Samples on extract-and-hold basis have been extracted. The EPA 8151 Herbicide test for the EB sample was put on extract-and-hold status per client request.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A) Water:

- High responses were observed for thallium and zinc in the ICV analyzed 03/13/23 19:53; affected data was qualified with "b". These analytes were not detected at or above the RLs in the associated samples.
- Selenium was detected at or above the RL in the CCB analyzed 03/14/23 11:30; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- Selenium was detected at or above the RL in the CCB analyzed 03/14/23 12:04; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/14/23 04:16; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/14/23 04:55; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:

- High response was observed for thallium in the ICV analyzed 03/13/23 19:53; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/14/23 01:41; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High responses were observed for antimony and selenium in the CCV analyzed 03/14/23 12:28; affected data was qualified with "b". These analytes were not detected at or above the RLs in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/14/23 01:02; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- Selenium RSD between exposures exceeds limit in the CCV analyzed 03/14/23 23:42; affected data was qualified with "b".
- Low recoveries were observed for antimony in the MS/MSD of SB-63-6.5 (lab # 481295-001); the LCS was within limits, and the associated RPD was within limits. High recovery was observed for barium in the MSD of SB-63-6.5 (lab # 481295-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Moisture (ASTM D2216):

No analytical problems were encountered.

Coliform - 9221 Tests (SM 9221E):

No analytical problems were encountered.

8151A Chlorinated Herbicides (EPA 8151A):

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Detection Summary

Alice Hale Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481295
Location: Calpine Menifee, 0027.008.001
Date Received: 03/10/23

Sample ID: SB-63-6.5 **Lab ID: 481295-001** **Collected: 03/10/23 12:29**
Matrix: Soil **Basis: Dry**

481295-001 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**10**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.7**		mg/Kg	1.1
Barium	**190**		mg/Kg	1.1
Chromium	**13**		mg/Kg	1.1
Cobalt	**8.6**		mg/Kg	0.56
Copper	**11**		mg/Kg	1.1
Lead	**5.1**		mg/Kg	1.1
Nickel	**5.7**		mg/Kg	1.1
Vanadium	**49**		mg/Kg	1.1
Zinc	**45**		mg/Kg	5.6

Sample ID: SB-63-8 **Lab ID: 481295-002** **Collected: 03/10/23 12:39**
Matrix: Soil **Basis: Dry**

481295-002 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**11**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**3.0**		mg/Kg	1.1
Barium	**180**		mg/Kg	1.1
Chromium	**12**		mg/Kg	1.1
Cobalt	**8.3**		mg/Kg	0.56
Copper	**13**		mg/Kg	1.1
Lead	**5.0**		mg/Kg	1.1
Nickel	**5.8**		mg/Kg	1.1
Vanadium	**44**		mg/Kg	1.1
Zinc	**45**		mg/Kg	5.6

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-64-6.5	Lab ID: 481295-003	Collected: 03/10/23 11:53
	Matrix: Soil	Basis: Dry

481295-003 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**9**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.1**		mg/Kg	1.0
Barium	**230**		mg/Kg	1.0
Chromium	**13**		mg/Kg	1.0
Cobalt	**9.1**		mg/Kg	0.52
Copper	**13**		mg/Kg	1.0
Lead	**5.2**		mg/Kg	1.0
Nickel	**6.0**		mg/Kg	1.0
Vanadium	**50**		mg/Kg	1.0
Zinc	**47**		mg/Kg	5.2

Sample ID: SB-64-8	Lab ID: 481295-004	Collected: 03/10/23 12:00
	Matrix: Soil	Basis: Dry

481295-004 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**10**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.1**		mg/Kg	1.1
Barium	**210**		mg/Kg	1.1
Chromium	**13**		mg/Kg	1.1
Cobalt	**9.0**		mg/Kg	0.54
Copper	**14**		mg/Kg	1.1
Lead	**5.5**		mg/Kg	1.1
Nickel	**6.3**		mg/Kg	1.1
Vanadium	**52**		mg/Kg	1.1
Zinc	**49**		mg/Kg	5.4

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-65-6.5	Lab ID: 481295-005	Collected: 03/10/23 10:53
	Matrix: Soil	Basis: Dry

481295-005 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**7**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**180**		mg/Kg	1.1
Chromium	**11**		mg/Kg	1.1
Cobalt	**7.8**		mg/Kg	0.53
Copper	**11**		mg/Kg	1.1
Lead	**4.5**		mg/Kg	1.1
Nickel	**5.5**		mg/Kg	1.1
Vanadium	**43**		mg/Kg	1.1
Zinc	**42**		mg/Kg	5.3

Sample ID: SB-65-8	Lab ID: 481295-006	Collected: 03/10/23 11:18
	Matrix: Soil	Basis: Dry

481295-006 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**9**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**230**		mg/Kg	1.1
Chromium	**14**		mg/Kg	1.1
Cobalt	**9.7**		mg/Kg	0.53
Copper	**13**		mg/Kg	1.1
Lead	**5.7**		mg/Kg	1.1
Nickel	**6.1**		mg/Kg	1.1
Vanadium	**54**		mg/Kg	1.1
Zinc	**49**		mg/Kg	5.3

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-67-BS	Lab ID: 481295-007	Collected: 03/10/23 09:10
	Matrix: Soil	Basis: Dry

481295-007 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**15**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**1.7**		mg/Kg	1.1
Barium	**180**		mg/Kg	1.1
Chromium	**13**		mg/Kg	1.1
Cobalt	**7.9**		mg/Kg	0.56
Copper	**15**		mg/Kg	1.1
Lead	**5.1**		mg/Kg	1.1
Nickel	**5.7**		mg/Kg	1.1
Vanadium	**42**		mg/Kg	1.1
Zinc	**54**		mg/Kg	5.6

Sample ID: SB-67-1BS	Lab ID: 481295-008	Collected: 03/10/23 09:27
	Matrix: Soil	Basis: Dry

481295-008 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**19**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**130**		mg/Kg	1.2
Chromium	**9.5**		mg/Kg	1.2
Cobalt	**5.1**		mg/Kg	0.61
Copper	**8.0**		mg/Kg	1.2
Lead	**3.3**		mg/Kg	1.2
Nickel	**3.5**		mg/Kg	1.2
Vanadium	**33**		mg/Kg	1.2
Zinc	**30**		mg/Kg	6.1

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-74-BS	Lab ID: 481295-009	Collected: 03/10/23 09:33
	Matrix: Soil	Basis: Dry

481295-009 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**10**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.4**		mg/Kg	1.1
Barium	**240**		mg/Kg	1.1
Chromium	**17**		mg/Kg	1.1
Cobalt	**10**		mg/Kg	0.53
Copper	**14**		mg/Kg	1.1
Lead	**7.1**		mg/Kg	1.1
Nickel	**7.8**		mg/Kg	1.1
Vanadium	**65**		mg/Kg	1.1
Zinc	**51**		mg/Kg	5.3

Sample ID: SB-74-1BS	Lab ID: 481295-010	Collected: 03/10/23 09:35
	Matrix: Soil	Basis: Dry

481295-010 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**10**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.3**		mg/Kg	1.1
Barium	**310**		mg/Kg	1.1
Chromium	**16**		mg/Kg	1.1
Cobalt	**9.6**		mg/Kg	0.53
Copper	**13**		mg/Kg	1.1
Lead	**6.1**		mg/Kg	1.1
Nickel	**6.4**		mg/Kg	1.1
Vanadium	**60**		mg/Kg	1.1
Zinc	**51**		mg/Kg	5.3

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-69-BS	Lab ID: 481295-011	Collected: 03/10/23 10:25
	Matrix: Soil	Basis: Dry

481295-011 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**11**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**170**		mg/Kg	1.1
Chromium	**11**		mg/Kg	1.1
Cobalt	**6.6**		mg/Kg	0.56
Copper	**11**		mg/Kg	1.1
Lead	**2.8**		mg/Kg	1.1
Nickel	**4.5**		mg/Kg	1.1
Vanadium	**41**		mg/Kg	1.1
Zinc	**35**		mg/Kg	5.6

Sample ID: SB-69-1BS	Lab ID: 481295-012	Collected: 03/10/23 10:29
	Matrix: Soil	

481295-012 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**11**		%	1	

Sample ID: SB-70-BS	Lab ID: 481295-013	Collected: 03/10/23 10:16
	Matrix: Soil	Basis: Dry

481295-013 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**13**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**1.6**		mg/Kg	1.1
Barium	**310**		mg/Kg	1.1
Chromium	**17**		mg/Kg	1.1
Cobalt	**13**		mg/Kg	0.57
Copper	**19**		mg/Kg	1.1
Lead	**5.5**		mg/Kg	1.1
Nickel	**7.3**		mg/Kg	1.1
Vanadium	**68**		mg/Kg	1.1
Zinc	**59**		mg/Kg	5.7

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-70-1BS **Lab ID: 481295-014** **Collected: 03/10/23 10:21**
Matrix: Soil

481295-014 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**11**		%	1	

Sample ID: SB-31-J **Lab ID: 481295-015** **Collected: 03/10/23 08:40**
Matrix: Soil

481295-015 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**13**		%	1	

Sample ID: COMPOSITE-J **Lab ID: 481295-019** **Collected: 03/10/23**
Matrix: Soil

481295-019 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**11**		%	1	

Sample ID: SB-33-K **Lab ID: 481295-020** **Collected: 03/10/23 08:07**
Matrix: Soil

481295-020 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**8**		%	1	

Sample ID: COMPOSITE-K **Lab ID: 481295-024** **Collected: 03/10/23**
Matrix: Soil

481295-024 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**9**		%	1	

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-19-G **Lab ID: 481295-025** **Collected: 03/10/23 07:45**
Matrix: Soil

481295-025 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**8**		%	1	

Sample ID: COMPOSITE-G **Lab ID: 481295-028** **Collected: 03/10/23**
Matrix: Soil

481295-028 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**11**		%	1	

Sample ID: SB-17-F **Lab ID: 481295-029** **Collected: 03/10/23 07:24**
Matrix: Soil

481295-029 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**11**		%	1	

Sample ID: COMPOSITE-F **Lab ID: 481295-032** **Collected: 03/10/23**
Matrix: Soil

481295-032 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**14**		%	1	

Sample ID: EB-20230310-TROWEL **Lab ID: 481295-033** **Collected: 03/10/23 15:15**

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 481295

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING INC	Quote #:	
Report To:	ALICE HALE PRICE	Proj. Name:	CALPINE MENIFEE
Email:	alice.hale.price@terraphase.com	Proj. #:	0027-008-001
Address:	18101 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA	Address:	26226 ANTELOPE Rd
Phone:	610-390-1276	Global ID:	
Fax:		Sampled By:	J. CATLIN / M. MEJIA

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH-g/d/mo	PCBs 8082	VOCs 8260	TOTAL METALS 6010/7474A	OCPs 8081A	HERBICIDES 8151A	FECAL COLIFORM SM9221-ABE	MOISTURE CONTENT			Test Instructions / Comments
1	SB-63-6.5	3/10/23	12:29	S	1-8oz JAR 5-VOA	ICE	X	X	X	X				X			
2	SB-63-8	3/10/23	12:39	S	1-8oz JAR 5-VOA	ICE	★	★	★	★				X			
3	SB-64-6.5	3/10/23	1153	S	1-8oz JAR 5-VOA	ICE	X	X	X	X				X			
4	SB-64-8	3/11/23	1200	S	1-8oz JAR 5-VOA	ICE	★	★	★	★				X			
5	SB-65-6.5	3/10/23	1053	S	1-8oz JAR 5-VOA	ICE	X	X	X	X				X			
6	SB-65-8	3/10/23	1118	S	1-8oz JAR 5-VOA	ICE	★	★	★	★				X			
7	~~SB-67-6bs~~ SB-67-6bs	3/10/23	0910	S	1-8oz JAR	ICE	X			X				X			CHANGE SAMPLE NAME TO SB-67-6bs
8	~~SB-67-1bs~~ SB-67-1bs SB-74-6bs	3/10/23	0927	S	1-8oz JAR 5-VOA	ICE	★		X	★				X			CHANGE SAMPLE NAME TO SB-67-1bs
9	~~SB-68-6bs~~ ~~SB-68-6bs~~ VK	3/10/23	0933	S	1-8oz JAR	ICE	X			X				X			CHANGE SAMPLE NAME
10	~~SB-68-1bs~~ SB-74-1bs VK	3/10/23	0935	S	1-8oz JAR 5-VOA	ICE	★		X	★				X			~~CHA~~ SEE Change sample name

Test Instructions / Comments:

★ REPORT RESULTS IN DRY WEIGHT

Change SB-68 to SB-74

★ - EXTRACT AND HOLD

H - HOLD 5/9/25

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATLIN	TEI / GEOLOGIST	03/10/23 1744
1 Received By:		GLim	CA	3/10/23 1744
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

To SB-74-1bs

ENTHALPY ANALYTICAL

Chain of Custody Record — Lab No: 481295 — Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		~~Custom TAT:~~	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING INC	Quote #:	
Report To:	ALICE HALE PRICE	Proj. Name:	CALPINE MENIFEE
Email:	alice.hale.price@terraphase.com	Proj. #:	0027.008-C01
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA	Address:	26226 ANTELOPE Rd
Phone:	510-390-1276	Global ID:	
Fax:		Sampled By:	J. CATIVO / M. MEJIA

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH-g/d/mo	PCBs 8082	VOCs 8260	TOTAL METALS 6010/7471A	OCPs 8081A	HERBICIDES 8151A	FECAL COLIFORM SM9221-E-A&E	MOISTURE CONTENT	HOLD	Test Instructions / Comments
1	~~SB-69-bbs~~ ~~SB-69-bbs~~ ~~SB-69-bbs~~	3/10/23	1025	S	1-8oz JAR	ICE	X			X				X		CHANGE SAMPLE NAME SB-69-bbs
2	~~SB-69-bbs~~ SB-69-bbs	3/10/23	1029	S	1-8oz JAR 5-VOA	ICE	★		X	★						CHANGE SAMPLE NAME TO SB-69-bbs
3	~~SB-70-bbs~~ SB-70-bbs	3/10/23	1016	S	1-8oz JAR	ICE	X			X				X		CHANGE SAMPLE NAME-SB-70-bbs
4	~~SB-70-bbs~~ SB-70-bbs	3/10/23	1021	S	1-8oz JAR 5-VOA	ICE	★		X	★						CHANGE SAMPLE NAME TO SB-70-bbs
5	SB-31-J	3/10/23	0840	S	2-8oz JAR	ICE				~~X~~		X	X			
6	SB-32-J	3/10/23	0821	S	1-8oz JAR	ICE									X	- comp to composite-J
7	SB-38-J	3/10/23	0849	S	1-8oz JAR	ICE									X	
8	SB-39-J	3/10/23	0858	S	1-8oz JAR	ICE									X	
9	Composite-J	3/10/23	—		—	ICE					X	X		X	X	
10	SB-33-K	3/10/23	0807	S	2-8oz JAR	ICE				~~X~~			X	X		comp to composite-K

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATIVO	TEI/GEOLOGIST	03/10/23 1744
1 Received By:			TA	3/10/23 1744
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

* REPORT RESULTS IN DRY WEIGHT *

★ - EXTRACT AND HOLD

H- HOLD 5.9/2.9

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Chain of Custody Record Lab No: 481295 Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING INC.	Name:	CARPINE MENIREE
Report To:	ALICE HALE PRICE	Number:	0027.003.001
Email:	alice.hale.price@terraphase.com	P.O. #:	
Address:	1540 VON KARMAN #110	Address:	26226 ANTELOPE RD
	IRVINE CA		
Phone:	610-390-1276	Global ID:	
Fax:		Sampled By:	J. CATIWO / M. MELIA

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1	SB-34-K	03/10/23	1350	S	1-190z JAR	ICE
2	SB-40-K	03/10/23	1404	S	1-190z JAR	ICE
3	SB-41-K	03/10/23	1355	S	1-190z JAR	ICE
4	Composite-K	—	—	S	—	ICE
5	SB-19-G	03/10/23	0745	S	2-8oz JAR	ICE
6	SB-20-G	03/10/23	1338	S	1-190z JAR	ICE
7	SB-27-G	03/10/23	1342	S	1-190z JAR	ICE
8	Composite-G	—	—	S	—	ICE
9	SB-17-F	03/10/23	0724	S	2-8oz JAR	ICE
10	SB-18-F	03/10/23	1325	S	1-190z JAR	ICE

Analysis Request

Analysis	6010/7471A	8082	8260	TOTAL METALS 6010/7471A	8081A	HEPA/CMES	8151A	FECM COLIFORM SM9221-ABE	MOISTURE CONTENT	HOLD
TPH-g/d/mo										X
PCBs										X
VOCs										X
				X	X		X			
								X	X	
										X
										X
										X
				X	X		X			
								X	X	
										X

Test Instructions / Comments

X REPORT RESULTS IN DRY WEIGHT *

★ - EXTRACT AND HOLD

H - HOLD

5/9/25

comp to Composite-K

comp to composite-G

comp to Composite-F

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATIWO	TEL / GEOLOGIST	03/10/23 1744
1 Received By:			GA	3/10/23 1744
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 401295

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		~~Custom TAT:~~	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING INC	Name:	CALPINE MENIFEE
Report To:	ALICE HALE PRICE	Number:	0027.008.001
Email:	alice.hale.price@terraphase.com	P.O. #:	
Address:	1670 VON KARMAN AVE #410	Address:	26276 ANTELOPE Rd
	IRVINE CA		
Phone:	510-390-1276	Global ID:	
Fax:		Sampled By:	J. CATIVO / M. MEJIA

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH-g/d/mo	PCBs	VOCs	TPH MEPHS	OCPs	HERBICIDES	FECAL COLIFORM	MOISTURE CONTENT	HOLD	
							8015M	8082	8260	1010/1774*	8081A	8151A	SM9221-ABCE			
1	SB-24-F	3/10/23	1412	S	1-8oz JAR	ICE									X	Comp to composite-F
2	Composite-F	—	—	S	—	ICE					X	X		X	~~X~~	SEC 3/10/23
3	EB-20230310-Trowel	3/10/23	1515	W	2-~~Amber~~ 1-250 mL HCl	ICE				X	X	X				
4																
5																
6																
7																
8																
9																
10																

Test Instructions / Comments

*REPORT RESULTS IN DRY WEIGHT *

★ - EXTRACT AND HOLD

H - HOLD 5.9.25

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATIVO	TEL / GEOLOGIST	03/10/23 1744
1 Received By:				3/10/23 1744
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: Calpine Menifee

Date Received: 3/10/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times) AS 3/11/23	~~✓~~	X	
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Samples 007, 008, 009, 010, 011, 012, 014, and 021 container IDs did not match the COC. Sample 021 was broken after receiving, but sufficient amount was saved.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☒ Email (email sent to/on): PAM / 3/10/23

Project Manager's response:

Completed By: _____ Date: 3-10-23

ENTHALPY ANALYTICAL

Analysis Results for 481295

Alice Hale Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481295
Location: Calpine Menifee, 0027.008.001
Date Received: 03/10/23

Sample ID: SB-63-6.5 | **Lab ID: 481295-001** | **Collected: 03/10/23 12:29**
Matrix: Soil | **Basis: Dry**

481295-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**10**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.3	1	309590	03/13/23	03/14/23	SBW
Arsenic	**2.7**		mg/Kg	1.1	1	309590	03/13/23	03/15/23	SBW
Barium	**190**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Chromium	**13**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Cobalt	**8.6**		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Copper	**11**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Lead	**5.1**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Nickel	**5.7**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.3	1	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.3	1	309590	03/13/23	03/14/23	SBW
Vanadium	**49**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Zinc	**45**		mg/Kg	5.6	1	309590	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.2	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.2	0.96	309495	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	86%		%REC	60-140	0.96	309495	03/13/23	03/13/23	TCN
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	1	309575	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	1	309575	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	95%		%REC	70-130	1	309575	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481295

481295-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1016	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1254	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	55	1	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	88%		%REC	19-121	1	309587	03/13/23	03/14/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Freon 12	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Chloromethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Vinyl Chloride	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Bromomethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Chloroethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Trichlorofluoromethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Acetone	ND		ug/Kg	170	1.5	309510	03/11/23	03/11/23	HMN
Freon 113	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,1-Dichloroethene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Methylene Chloride	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
MTBE	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,1-Dichloroethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
2-Butanone	ND		ug/Kg	170	1.5	309510	03/11/23	03/11/23	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
2,2-Dichloropropane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Chloroform	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Bromochloromethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,1,1-Trichloroethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,1-Dichloropropene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Carbon Tetrachloride	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2-Dichloroethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Benzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Trichloroethene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2-Dichloropropane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Bromodichloromethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Dibromomethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Toluene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
trans-1,3-Dichloropropene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,1,2-Trichloroethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,3-Dichloropropane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Tetrachloroethene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Dibromochloromethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2-Dibromoethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Chlorobenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Ethylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
m,p-Xylenes	ND		ug/Kg	17	1.5	309510	03/11/23	03/11/23	HMN
o-Xylene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Styrene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Bromoform	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Isopropylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2,3-Trichloropropane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Propylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Bromobenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
2-Chlorotoluene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
4-Chlorotoluene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
tert-Butylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
sec-Butylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
para-Isopropyl Toluene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,3-Dichlorobenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,4-Dichlorobenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
n-Butylbenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2-Dichlorobenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Hexachlorobutadiene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Naphthalene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Xylene (total)	ND		ug/Kg	8.4	1.5	309510	03/11/23	03/11/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-145	1.5	309510	03/11/23	03/11/23	HMN
1,2-Dichloroethane-d4	110%		%REC	70-145	1.5	309510	03/11/23	03/11/23	HMN
Toluene-d8	98%		%REC	70-145	1.5	309510	03/11/23	03/11/23	HMN
Bromofluorobenzene	100%		%REC	70-145	1.5	309510	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-63-8	Lab ID: 481295-002	Collected: 03/10/23 12:39
	Matrix: Soil	Basis: Dry

481295-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**11**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.4	1	309590	03/13/23	03/14/23	SBW
Arsenic	**3.0**		mg/Kg	1.1	1	309590	03/13/23	03/15/23	SBW
Barium	**180**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Chromium	**12**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Cobalt	**8.3**		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Copper	**13**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Lead	**5.0**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Nickel	**5.8**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.4	1	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.56	1	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.4	1	309590	03/13/23	03/14/23	SBW
Vanadium	**44**		mg/Kg	1.1	1	309590	03/13/23	03/14/23	SBW
Zinc	**45**		mg/Kg	5.6	1	309590	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309580	03/13/23	03/14/23	KAM

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481295

Sample ID: SB-64-6.5	Lab ID: 481295-003	Collected: 03/10/23 11:53
	Matrix: Soil	Basis: Dry

481295-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**9**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.1	0.95	309590	03/13/23	03/14/23	SBW
Arsenic	**2.1**		mg/Kg	1.0	0.95	309590	03/13/23	03/15/23	SBW
Barium	**230**		mg/Kg	1.0	0.95	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.52	0.95	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.52	0.95	309590	03/13/23	03/14/23	SBW
Chromium	**13**		mg/Kg	1.0	0.95	309590	03/13/23	03/14/23	SBW
Cobalt	**9.1**		mg/Kg	0.52	0.95	309590	03/13/23	03/14/23	SBW
Copper	**13**		mg/Kg	1.0	0.95	309590	03/13/23	03/14/23	SBW
Lead	**5.2**		mg/Kg	1.0	0.95	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.0	0.95	309590	03/13/23	03/14/23	SBW
Nickel	**6.0**		mg/Kg	1.0	0.95	309590	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.1	0.95	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.52	0.95	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.1	0.95	309590	03/13/23	03/14/23	SBW
Vanadium	**50**		mg/Kg	1.0	0.95	309590	03/13/23	03/14/23	SBW
Zinc	**47**		mg/Kg	5.2	0.95	309590	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.2	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.1	0.94	309495	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	85%		%REC	60-140	0.94	309495	03/13/23	03/13/23	TCN
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	0.99	309575	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	0.99	309575	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	91%		%REC	70-130	0.99	309575	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1254	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	54	0.99	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	110%		%REC	19-121	0.99	309587	03/13/23	03/14/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Freon 12	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Chloromethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Vinyl Chloride	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Bromomethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Chloroethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Trichlorofluoromethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Acetone	ND		ug/Kg	120	1.1	309510	03/11/23	03/11/23	HMN
Freon 113	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,1-Dichloroethene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Methylene Chloride	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
MTBE	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,1-Dichloroethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
2-Butanone	ND		ug/Kg	120	1.1	309510	03/11/23	03/11/23	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
2,2-Dichloropropane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Chloroform	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Bromochloromethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,1,1-Trichloroethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,1-Dichloropropene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Carbon Tetrachloride	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2-Dichloroethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Benzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Trichloroethene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2-Dichloropropane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Bromodichloromethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Dibromomethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Toluene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,1,2-Trichloroethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,3-Dichloropropane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Tetrachloroethene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Dibromochloromethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Chlorobenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Ethylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
m,p-Xylenes	ND		ug/Kg	12	1.1	309510	03/11/23	03/11/23	HMN
o-Xylene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Styrene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Bromoform	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Isopropylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2,3-Trichloropropane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Propylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Bromobenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
2-Chlorotoluene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
4-Chlorotoluene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
tert-Butylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
sec-Butylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
para-Isopropyl Toluene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,3-Dichlorobenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,4-Dichlorobenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
n-Butylbenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2-Dichlorobenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Hexachlorobutadiene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Naphthalene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Xylene (total)	ND		ug/Kg	5.8	1.1	309510	03/11/23	03/11/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-145	1.1	309510	03/11/23	03/11/23	HMN
1,2-Dichloroethane-d4	109%		%REC	70-145	1.1	309510	03/11/23	03/11/23	HMN
Toluene-d8	99%		%REC	70-145	1.1	309510	03/11/23	03/11/23	HMN
Bromofluorobenzene	98%		%REC	70-145	1.1	309510	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-64-8	Lab ID: 481295-004	Collected: 03/10/23 12:00
	Matrix: Soil	Basis: Dry

481295-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**10**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.97	309590	03/13/23	03/14/23	SBW
Arsenic	**2.1**		mg/Kg	1.1	0.97	309590	03/13/23	03/15/23	SBW
Barium	**210**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.54	0.97	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.54	0.97	309590	03/13/23	03/14/23	SBW
Chromium	**13**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Cobalt	**9.0**		mg/Kg	0.54	0.97	309590	03/13/23	03/14/23	SBW
Copper	**14**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Lead	**5.5**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Nickel	**6.3**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.97	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.54	0.97	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.97	309590	03/13/23	03/14/23	SBW
Vanadium	**52**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Zinc	**49**		mg/Kg	5.4	0.97	309590	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309580	03/13/23	03/14/23	KAM

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-65-6.5	Lab ID: 481295-005	Collected: 03/10/23 10:53
	Matrix: Soil	Basis: Dry

481295-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**7**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.99	309590	03/13/23	03/14/23	SBW
Arsenic	ND		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Barium	**180**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.99	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.99	309590	03/13/23	03/14/23	SBW
Chromium	**11**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Cobalt	**7.8**		mg/Kg	0.53	0.99	309590	03/13/23	03/14/23	SBW
Copper	**11**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Lead	**4.5**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Nickel	**5.5**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.99	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.53	0.99	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.99	309590	03/13/23	03/14/23	SBW
Vanadium	**43**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Zinc	**42**		mg/Kg	5.3	0.99	309590	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.5	1.1	309495	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	84%		%REC	60-140	1.1	309495	03/13/23	03/13/23	TCN
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	0.99	309575	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	21	0.99	309575	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	93%		%REC	70-130	0.99	309575	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1254	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	85%		%REC	19-121	1	309587	03/13/23	03/14/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Freon 12	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Chloromethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Vinyl Chloride	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Bromomethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Chloroethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Trichlorofluoromethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Acetone	ND		ug/Kg	92	0.85	309510	03/11/23	03/11/23	HMN
Freon 113	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,1-Dichloroethene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Methylene Chloride	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
MTBE	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,1-Dichloroethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
2-Butanone	ND		ug/Kg	92	0.85	309510	03/11/23	03/11/23	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
2,2-Dichloropropane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Chloroform	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Bromochloromethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,1,1-Trichloroethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,1-Dichloropropene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Carbon Tetrachloride	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2-Dichloroethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Benzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Trichloroethene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2-Dichloropropane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Bromodichloromethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Dibromomethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Toluene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,1,2-Trichloroethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,3-Dichloropropane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Tetrachloroethene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Dibromochloromethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Chlorobenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Ethylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
m,p-Xylenes	ND		ug/Kg	9.2	0.85	309510	03/11/23	03/11/23	HMN
o-Xylene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Styrene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Bromoform	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Isopropylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2,3-Trichloropropane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Propylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Bromobenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
2-Chlorotoluene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
4-Chlorotoluene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
tert-Butylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
sec-Butylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,3-Dichlorobenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,4-Dichlorobenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
n-Butylbenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Hexachlorobutadiene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Naphthalene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Xylene (total)	ND		ug/Kg	4.6	0.85	309510	03/11/23	03/11/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	104%		%REC	70-145	0.85	309510	03/11/23	03/11/23	HMN
1,2-Dichloroethane-d4	110%		%REC	70-145	0.85	309510	03/11/23	03/11/23	HMN
Toluene-d8	99%		%REC	70-145	0.85	309510	03/11/23	03/11/23	HMN
Bromofluorobenzene	99%		%REC	70-145	0.85	309510	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-65-8	Lab ID: 481295-006	Collected: 03/10/23 11:18
	Matrix: Soil	Basis: Dry

481295-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**9**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.97	309590	03/13/23	03/14/23	SBW
Arsenic	ND		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Barium	**230**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.97	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.97	309590	03/13/23	03/14/23	SBW
Chromium	**14**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Cobalt	**9.7**		mg/Kg	0.53	0.97	309590	03/13/23	03/14/23	SBW
Copper	**13**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Lead	**5.7**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Nickel	**6.1**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.97	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.53	0.97	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.97	309590	03/13/23	03/14/23	SBW
Vanadium	**54**		mg/Kg	1.1	0.97	309590	03/13/23	03/14/23	SBW
Zinc	**49**		mg/Kg	5.3	0.97	309590	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309580	03/13/23	03/14/23	KAM

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-67-BS	Lab ID: 481295-007	Collected: 03/10/23 09:10
	Matrix: Soil	Basis: Dry

481295-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**15**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.4	0.95	309590	03/13/23	03/14/23	SBW
Arsenic	**1.7**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Barium	**180**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.56	0.95	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.56	0.95	309590	03/13/23	03/14/23	SBW
Chromium	**13**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Cobalt	**7.9**		mg/Kg	0.56	0.95	309590	03/13/23	03/14/23	SBW
Copper	**15**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Lead	**5.1**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Nickel	**5.7**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.4	0.95	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.56	0.95	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.4	0.95	309590	03/13/23	03/14/23	SBW
Vanadium	**42**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Zinc	**54**		mg/Kg	5.6	0.95	309590	03/13/23	03/14/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.19	1.1	309580	03/13/23	03/14/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	12	1	309575	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	24	1	309575	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	87%		%REC	70-130	1	309575	03/13/23	03/14/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-67-1BS	Lab ID: 481295-008	Collected: 03/10/23 09:27
	Matrix: Soil	Basis: Dry

481295-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**19**		%	1	1	309616	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.7	0.99	309590	03/13/23	03/14/23	SBW
Arsenic	ND		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Barium	**130**		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.61	0.99	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.61	0.99	309590	03/13/23	03/14/23	SBW
Chromium	**9.5**		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Cobalt	**5.1**		mg/Kg	0.61	0.99	309590	03/13/23	03/14/23	SBW
Copper	**8.0**		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Lead	**3.3**		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Nickel	**3.5**		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Selenium	ND	b	mg/Kg	3.7	0.99	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.61	0.99	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.7	0.99	309590	03/13/23	03/14/23	SBW
Vanadium	**33**		mg/Kg	1.2	0.99	309590	03/13/23	03/14/23	SBW
Zinc	**30**		mg/Kg	6.1	0.99	309590	03/13/23	03/14/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.4	0.65	309495	03/14/23	03/14/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	85%		%REC	60-140	0.65	309495	03/14/23	03/14/23	TCN
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	100	0.82	309510	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	100	0.82	309510	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	10	0.82	309510	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	5.1	0.82	309510	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	0.82	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	110%		%REC	70-145	0.82	309510	03/11/23	03/11/23	EJB
Toluene-d8	99%		%REC	70-145	0.82	309510	03/11/23	03/11/23	EJB
Bromofluorobenzene	98%		%REC	70-145	0.82	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-74-BS	Lab ID: 481295-009	Collected: 03/10/23 09:33
	Matrix: Soil	Basis: Dry

481295-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**10**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.95	309590	03/13/23	03/14/23	SBW
Arsenic	**2.4**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Barium	**240**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.95	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.95	309590	03/13/23	03/14/23	SBW
Chromium	**17**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Cobalt	**10**		mg/Kg	0.53	0.95	309590	03/13/23	03/14/23	SBW
Copper	**14**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Lead	**7.1**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Nickel	**7.8**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Selenium	ND	b	mg/Kg	3.2	0.95	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.53	0.95	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.95	309590	03/13/23	03/14/23	SBW
Vanadium	**65**		mg/Kg	1.1	0.95	309590	03/13/23	03/14/23	SBW
Zinc	**51**		mg/Kg	5.3	0.95	309590	03/13/23	03/14/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.3	1	309592	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	65%		%REC	60-140	1	309592	03/13/23	03/13/23	TCN
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	1	309575	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	1	309575	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	89%		%REC	70-130	1	309575	03/13/23	03/14/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-74-1BS	Lab ID: 481295-010	Collected: 03/10/23 09:35
	Matrix: Soil	Basis: Dry

481295-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**10**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.96	309590	03/13/23	03/14/23	SBW
Arsenic	**2.3**		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Barium	**310**		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.96	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.96	309590	03/13/23	03/14/23	SBW
Chromium	**16**		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Cobalt	**9.6**		mg/Kg	0.53	0.96	309590	03/13/23	03/14/23	SBW
Copper	**13**		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Lead	**6.1**		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Nickel	**6.4**		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Selenium	ND	b	mg/Kg	3.2	0.96	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.53	0.96	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.96	309590	03/13/23	03/14/23	SBW
Vanadium	**60**		mg/Kg	1.1	0.96	309590	03/13/23	03/14/23	SBW
Zinc	**51**		mg/Kg	5.3	0.96	309590	03/13/23	03/14/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.2	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.3	0.99	309495	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	82%		%REC	60-140	0.99	309495	03/13/23	03/13/23	TCN
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	100	0.9	309510	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	100	0.9	309510	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	10	0.9	309510	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	5.0	0.9	309510	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-145	0.9	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	107%		%REC	70-145	0.9	309510	03/11/23	03/11/23	EJB
Toluene-d8	99%		%REC	70-145	0.9	309510	03/11/23	03/11/23	EJB
Bromofluorobenzene	98%		%REC	70-145	0.9	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-69-BS	Lab ID: 481295-011	Collected: 03/10/23 10:25
	Matrix: Soil	Basis: Dry

481295-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**11**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.3	0.99	309590	03/13/23	03/14/23	SBW
Arsenic	ND		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Barium	**170**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.56	0.99	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.56	0.99	309590	03/13/23	03/14/23	SBW
Chromium	**11**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Cobalt	**6.6**		mg/Kg	0.56	0.99	309590	03/13/23	03/14/23	SBW
Copper	**11**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Lead	**2.8**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Nickel	**4.5**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Selenium	ND	b	mg/Kg	3.3	0.99	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.56	0.99	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.3	0.99	309590	03/13/23	03/14/23	SBW
Vanadium	**41**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Zinc	**35**		mg/Kg	5.6	0.99	309590	03/13/23	03/14/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.19	1.2	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.4	1	309592	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	70%		%REC	60-140	1	309592	03/13/23	03/13/23	TCN
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	1	309575	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	1	309575	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	87%		%REC	70-130	1	309575	03/13/23	03/14/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-69-1BS	Lab ID: 481295-012	Collected: 03/10/23 10:29
	Matrix: Soil	Basis: Dry

481295-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**11**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.8	1.1	309495	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	84%		%REC	60-140	1.1	309495	03/13/23	03/13/23	TCN
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	84	0.75	309510	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,1-Dichloroethene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	84	0.75	309510	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Toluene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	8.4	0.75	309510	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	4.2	0.75	309510	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	104%		%REC	70-145	0.75	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	109%		%REC	70-145	0.75	309510	03/11/23	03/11/23	EJB
Toluene-d8	98%		%REC	70-145	0.75	309510	03/11/23	03/11/23	EJB
Bromofluorobenzene	99%		%REC	70-145	0.75	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 481295

Sample ID: SB-70-BS	Lab ID: 481295-013	Collected: 03/10/23 10:16
	Matrix: Soil	Basis: Dry

481295-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**13**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.4	0.99	309590	03/13/23	03/14/23	SBW
Arsenic	**1.6**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Barium	**310**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.57	0.99	309590	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.57	0.99	309590	03/13/23	03/14/23	SBW
Chromium	**17**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Cobalt	**13**		mg/Kg	0.57	0.99	309590	03/13/23	03/14/23	SBW
Copper	**19**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Lead	**5.5**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Nickel	**7.3**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Selenium	ND	b	mg/Kg	3.4	0.99	309590	03/13/23	03/14/23	SBW
Silver	ND		mg/Kg	0.57	0.99	309590	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.4	0.99	309590	03/13/23	03/14/23	SBW
Vanadium	**68**		mg/Kg	1.1	0.99	309590	03/13/23	03/14/23	SBW
Zinc	**59**		mg/Kg	5.7	0.99	309590	03/13/23	03/14/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.19	1.2	309580	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.4	1	309592	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	69%		%REC	60-140	1	309592	03/13/23	03/13/23	TCN
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	0.99	309575	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	23	0.99	309575	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	86%		%REC	70-130	0.99	309575	03/13/23	03/14/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-70-1BS	Lab ID: 481295-014	Collected: 03/10/23 10:21
	Matrix: Soil	Basis: Dry

481295-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**11**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.6	0.79	309495	03/14/23	03/14/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	87%		%REC	60-140	0.79	309495	03/14/23	03/14/23	TCN
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	110	0.97	309510	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	110	0.97	309510	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

481295-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Toluene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	11	0.97	309510	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	5.4	0.97	309510	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	105%		%REC	70-145	0.97	309510	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	111%		%REC	70-145	0.97	309510	03/11/23	03/11/23	EJB
Toluene-d8	97%		%REC	70-145	0.97	309510	03/11/23	03/11/23	EJB
Bromofluorobenzene	98%		%REC	70-145	0.97	309510	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 481295

Sample ID: SB-31-J	Lab ID: 481295-015	Collected: 03/10/23 08:40
	Matrix: Soil	Basis: Dry

481295-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**13**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.21		MPN/g	0.21	1	309517	03/11/23 13:27	03/13/23 16:34	JAA

Sample ID: COMPOSITE-J	Lab ID: 481295-019	Collected: 03/10/23
	Matrix: Soil	

481295-019 Analyte	Result	Qual	Units	RL	Basis	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**11**		%	1		1	309618	03/13/23	03/14/23	LVL

Sample ID: SB-33-K	Lab ID: 481295-020	Collected: 03/10/23 08:07
	Matrix: Soil	Basis: Dry

481295-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**8**		%	1	1	309618	03/13/23	03/14/23	LVL
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.20		MPN/g	0.20	1	309517	03/11/23 13:27	03/14/23 14:50	JAA

Sample ID: COMPOSITE-K	Lab ID: 481295-024	Collected: 03/10/23
	Matrix: Soil	

481295-024 Analyte	Result	Qual	Units	RL	Basis	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**9**		%	1		1	309618	03/13/23	03/14/23	LVL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: SB-19-G	Lab ID: 481295-025	Collected: 03/10/23 07:45
	Matrix: Soil	Basis: Dry

481295-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**8**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.20		MPN/g	0.20	1	309517	03/11/23 13:27	03/13/23 16:34	JAA

Sample ID: COMPOSITE-G	Lab ID: 481295-028	Collected: 03/10/23
	Matrix: Soil	

481295-028 Analyte	Result	Qual	Units	RL	Basis	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**11**		%	1		1	309622	03/13/23	03/14/23	LVL

Sample ID: SB-17-F	Lab ID: 481295-029	Collected: 03/10/23 07:24
	Matrix: Soil	Basis: Dry

481295-029 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**11**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.20		MPN/g	0.20	1	309517	03/11/23 13:27	03/13/23 16:34	JAA

Sample ID: COMPOSITE-F	Lab ID: 481295-032	Collected: 03/10/23
	Matrix: Soil	

481295-032 Analyte	Result	Qual	Units	RL	Basis	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**14**		%	1		1	309622	03/13/23	03/14/23	LVL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481295

Sample ID: EB-20230310-TROWEL	Lab ID: 481295-033	Collected: 03/10/23 15:15
	Matrix: Water	

481295-033 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A									
Antimony	ND		mg/L	0.030	1	309600	03/13/23	03/14/23	SBW
Arsenic	ND		mg/L	0.010	1	309600	03/13/23	03/14/23	SBW
Barium	ND		mg/L	0.010	1	309600	03/13/23	03/14/23	SBW
Beryllium	ND		mg/L	0.0050	1	309600	03/13/23	03/14/23	SBW
Cadmium	ND		mg/L	0.0050	1	309600	03/13/23	03/14/23	SBW
Chromium	ND		mg/L	0.010	1	309600	03/13/23	03/14/23	SBW
Cobalt	ND		mg/L	0.0050	1	309600	03/13/23	03/14/23	SBW
Copper	ND		mg/L	0.010	1	309600	03/13/23	03/14/23	SBW
Lead	ND		mg/L	0.010	1	309600	03/13/23	03/14/23	SBW
Molybdenum	ND		mg/L	0.10	1	309600	03/13/23	03/14/23	SBW
Nickel	ND		mg/L	0.010	1	309600	03/13/23	03/14/23	SBW
Selenium	ND		mg/L	0.030	1	309600	03/13/23	03/14/23	SBW
Silver	ND		mg/L	0.0050	1	309600	03/13/23	03/14/23	SBW
Thallium	ND		mg/L	0.030	1	309600	03/13/23	03/14/23	SBW
Vanadium	ND		mg/L	0.010	1	309600	03/13/23	03/14/23	SBW
Zinc	ND		mg/L	0.050	1	309600	03/13/23	03/14/23	SBW
Method: EPA 7470A Prep Method: METHOD									
Mercury	ND		ug/L	0.40	1	309540	03/13/23	03/13/23	KAM
Method: EPA 8081A Prep Method: EPA 3510C									
alpha-BHC	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
beta-BHC	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
gamma-BHC	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
delta-BHC	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
Heptachlor	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
Aldrin	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
Heptachlor epoxide	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
Endosulfan I	ND		ug/L	0.05	0.97	309569	03/13/23	03/14/23	MES
Dieldrin	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
4,4'-DDE	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
Endrin	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
Endosulfan II	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
Endosulfan sulfate	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
4,4'-DDD	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
Endrin aldehyde	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
Endrin ketone	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
4,4'-DDT	ND		ug/L	0.1	0.97	309569	03/13/23	03/14/23	MES
Methoxychlor	ND		ug/L	0.2	0.97	309569	03/13/23	03/14/23	MES
Toxaphene	ND		ug/L	1.9	0.97	309569	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481295

481295-033 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/L	1.0	0.97	309569	03/13/23	03/14/23	MES
Surrogates				**Limits**					
TCMX	76%		%REC	14-120	0.97	309569	03/13/23	03/14/23	MES
Decachlorobiphenyl	84%		%REC	20-120	0.97	309569	03/13/23	03/14/23	MES

< Value is less than indicated concentration
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1051767	Batch:	309616
Matrix (Source ID):	Soil (481295-006)	Method:	ASTM D2216	Prep Method:	METHOD

QC1051767 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	9.387	9.415	%		0	26		1

Type:	Sample Duplicate	Lab ID:	QC1051768	Batch:	309618
Matrix (Source ID):	Soil (481295-009)	Method:	ASTM D2216	Prep Method:	METHOD

QC1051768 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	10.35	9.901	%		4	26		1

Type:	Sample Duplicate	Lab ID:	QC1051769	Batch:	309622
Matrix (Source ID):	Soil (481298-002)	Method:	ASTM D2216	Prep Method:	METHOD

QC1051769 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	8.675	8.786	%		1	26		1

Type:	Blank	Lab ID:	QC1051723	Batch:	309600
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1051723 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	03/13/23	03/14/23
Arsenic	ND		mg/L	0.010	03/13/23	03/14/23
Barium	ND		mg/L	0.010	03/13/23	03/14/23
Beryllium	ND		mg/L	0.0050	03/13/23	03/14/23
Cadmium	ND		mg/L	0.0050	03/13/23	03/14/23
Chromium	ND		mg/L	0.010	03/13/23	03/14/23
Cobalt	ND		mg/L	0.0050	03/13/23	03/14/23
Copper	ND		mg/L	0.010	03/13/23	03/14/23
Lead	ND		mg/L	0.010	03/13/23	03/14/23
Molybdenum	ND		mg/L	0.010	03/13/23	03/14/23
Nickel	ND		mg/L	0.010	03/13/23	03/14/23
Selenium	ND		mg/L	0.030	03/13/23	03/14/23
Silver	ND		mg/L	0.0050	03/13/23	03/14/23
Thallium	ND		mg/L	0.030	03/13/23	03/14/23
Vanadium	ND		mg/L	0.010	03/13/23	03/14/23
Zinc	ND		mg/L	0.050	03/13/23	03/14/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1051724	Batch:	309600
Matrix (Source ID):	Water (481115-001)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1051724 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.4434	ND	0.4000	mg/L	111%		75-125	1
Arsenic	0.3661	0.002743	0.4000	mg/L	91%		75-125	1
Barium	0.4157	0.04523	0.4000	mg/L	93%		75-125	1
Beryllium	0.3753	ND	0.4000	mg/L	94%		75-125	1
Cadmium	0.4417	ND	0.4000	mg/L	110%		75-125	1
Chromium	0.4294	0.003014	0.4000	mg/L	107%		75-125	1
Cobalt	0.3833	0.001058	0.4000	mg/L	96%		75-125	1
Copper	0.4315	ND	0.4000	mg/L	108%		75-125	1
Lead	0.4205	ND	0.4000	mg/L	105%		75-125	1
Molybdenum	0.4417	0.03772	0.4000	mg/L	101%		75-125	1
Nickel	0.3883	ND	0.4000	mg/L	97%		75-125	1
Selenium	0.3712	ND	0.4000	mg/L	93%	b	75-125	1
Silver	0.2045	ND	0.2000	mg/L	102%		75-125	1
Thallium	0.3925	0.01356	0.4000	mg/L	95%	b	75-125	1
Vanadium	0.4814	0.03322	0.4000	mg/L	112%		75-125	1
Zinc	0.3855	ND	0.4000	mg/L	96%	b	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1051725	Batch:	309600
Matrix (Source ID):	Water (481115-001)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1051725 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.4099	ND	0.4000	mg/L	102%		75-125	8	20	1
Arsenic	0.3618	0.002743	0.4000	mg/L	90%		75-125	1	20	1
Barium	0.4132	0.04523	0.4000	mg/L	92%		75-125	1	20	1
Beryllium	0.3523	ND	0.4000	mg/L	88%		75-125	6	20	1
Cadmium	0.4131	ND	0.4000	mg/L	103%		75-125	7	20	1
Chromium	0.4008	0.003014	0.4000	mg/L	99%		75-125	7	20	1
Cobalt	0.3653	0.001058	0.4000	mg/L	91%		75-125	5	20	1
Copper	0.4077	ND	0.4000	mg/L	102%		75-125	6	20	1
Lead	0.3946	ND	0.4000	mg/L	99%		75-125	6	20	1
Molybdenum	0.4367	0.03772	0.4000	mg/L	100%		75-125	1	20	1
Nickel	0.3643	ND	0.4000	mg/L	91%		75-125	6	20	1
Selenium	0.3700	ND	0.4000	mg/L	92%	b	75-125	0	20	1
Silver	0.2036	ND	0.2000	mg/L	102%		75-125	0	20	1
Thallium	0.3862	0.01356	0.4000	mg/L	93%	b	75-125	2	20	1
Vanadium	0.4544	0.03322	0.4000	mg/L	105%		75-125	6	20	1
Zinc	0.3651	ND	0.4000	mg/L	91%	b	75-125	5	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1051726	Batch: 309600
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1051726 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.4028	0.4000	mg/L	101%		80-120
Arsenic	0.3675	0.4000	mg/L	92%		80-120
Barium	0.4213	0.4000	mg/L	105%		80-120
Beryllium	0.3824	0.4000	mg/L	96%		80-120
Cadmium	0.3865	0.4000	mg/L	97%		80-120
Chromium	0.4216	0.4000	mg/L	105%		80-120
Cobalt	0.4138	0.4000	mg/L	103%		80-120
Copper	0.3924	0.4000	mg/L	98%		80-120
Lead	0.4256	0.4000	mg/L	106%		80-120
Molybdenum	0.4471	0.4000	mg/L	112%		80-120
Nickel	0.4089	0.4000	mg/L	102%		80-120
Selenium	0.4271	0.4000	mg/L	107%		80-120
Silver	0.1968	0.2000	mg/L	98%		80-120
Thallium	0.4441	0.4000	mg/L	111%		80-120
Vanadium	0.4228	0.4000	mg/L	106%		80-120
Zinc	0.4347	0.4000	mg/L	109%		80-120

Type: Blank	Lab ID: QC1051684	Batch: 309590
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1051684 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	03/13/23	03/14/23
Arsenic	ND		mg/Kg	1.0	03/13/23	03/14/23
Barium	ND		mg/Kg	1.0	03/13/23	03/14/23
Beryllium	ND		mg/Kg	0.50	03/13/23	03/14/23
Cadmium	ND		mg/Kg	0.50	03/13/23	03/14/23
Chromium	ND		mg/Kg	1.0	03/13/23	03/14/23
Cobalt	ND		mg/Kg	0.50	03/13/23	03/14/23
Copper	ND		mg/Kg	1.0	03/13/23	03/14/23
Lead	ND		mg/Kg	1.0	03/13/23	03/14/23
Molybdenum	ND		mg/Kg	1.0	03/13/23	03/14/23
Nickel	ND		mg/Kg	1.0	03/13/23	03/14/23
Selenium	ND		mg/Kg	3.0	03/13/23	03/14/23
Silver	ND		mg/Kg	0.50	03/13/23	03/14/23
Thallium	ND		mg/Kg	3.0	03/13/23	03/14/23
Vanadium	ND		mg/Kg	1.0	03/13/23	03/14/23
Zinc	ND		mg/Kg	5.0	03/13/23	03/14/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1051685	**Batch:** 309590
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1051685 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.15	100.0	mg/Kg	99%	b	80-120
Arsenic	97.18	100.0	mg/Kg	97%		80-120
Barium	105.2	100.0	mg/Kg	105%		80-120
Beryllium	102.3	100.0	mg/Kg	102%		80-120
Cadmium	99.43	100.0	mg/Kg	99%		80-120
Chromium	100.5	100.0	mg/Kg	101%		80-120
Cobalt	105.6	100.0	mg/Kg	106%		80-120
Copper	99.05	100.0	mg/Kg	99%		80-120
Lead	111.4	100.0	mg/Kg	111%		80-120
Molybdenum	112.6	100.0	mg/Kg	113%		80-120
Nickel	102.1	100.0	mg/Kg	102%		80-120
Selenium	84.20	100.0	mg/Kg	84%	b	80-120
Silver	48.01	50.00	mg/Kg	96%		80-120
Thallium	119.8	100.0	mg/Kg	120%	b	80-120
Vanadium	103.9	100.0	mg/Kg	104%		80-120
Zinc	112.6	100.0	mg/Kg	113%		80-120

Type: Matrix Spike	**Lab ID:** QC1051686	**Batch:** 309590
Matrix (Source ID): Soil (481295-001)	**Method:** EPA 6010B	**Prep Method:** EPA 3050B
		Basis: Dry

QC1051686 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	51.75	ND	108.9	mg/Kg	48%	*	75-125	0.98
Arsenic	103.6	2.702	108.9	mg/Kg	93%		75-125	0.98
Barium	320.3	188.7	108.9	mg/Kg	121%		75-125	0.98
Beryllium	109.6	0.2568	108.9	mg/Kg	100%		75-125	0.98
Cadmium	104.0	ND	108.9	mg/Kg	95%		75-125	0.98
Chromium	121.1	12.64	108.9	mg/Kg	100%		75-125	0.98
Cobalt	118.9	8.604	108.9	mg/Kg	101%		75-125	0.98
Copper	125.5	11.44	108.9	mg/Kg	105%		75-125	0.98
Lead	115.8	5.128	108.9	mg/Kg	102%		75-125	0.98
Molybdenum	113.8	ND	108.9	mg/Kg	104%		75-125	0.98
Nickel	113.4	5.745	108.9	mg/Kg	99%		75-125	0.98
Selenium	85.08	ND	108.9	mg/Kg	78%	b	75-125	0.98
Silver	52.12	ND	54.47	mg/Kg	96%		75-125	0.98
Thallium	114.3	1.235	108.9	mg/Kg	104%	b	75-125	0.98
Vanadium	162.3	48.99	108.9	mg/Kg	104%		75-125	0.98
Zinc	156.9	44.69	108.9	mg/Kg	103%		75-125	0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051687**	**Batch:**	**309590**
Matrix (Source ID):	**Soil (481295-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1051687 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	52.77	ND	106.8	mg/Kg	49%	*	75-125	4	41	0.96
Arsenic	107.8	2.702	106.8	mg/Kg	98%		75-125	6	35	0.96
Barium	348.6	188.7	106.8	mg/Kg	150%	*	75-125	9	20	0.96
Beryllium	110.6	0.2568	106.8	mg/Kg	103%		75-125	3	20	0.96
Cadmium	104.4	ND	106.8	mg/Kg	98%		75-125	2	20	0.96
Chromium	123.8	12.64	106.8	mg/Kg	104%		75-125	4	20	0.96
Cobalt	121.1	8.604	106.8	mg/Kg	105%		75-125	4	20	0.96
Copper	128.1	11.44	106.8	mg/Kg	109%		75-125	4	20	0.96
Lead	116.5	5.128	106.8	mg/Kg	104%		75-125	2	20	0.96
Molybdenum	119.7	ND	106.8	mg/Kg	112%		75-125	7	20	0.96
Nickel	115.0	5.745	106.8	mg/Kg	102%		75-125	3	20	0.96
Selenium	86.49	ND	106.8	mg/Kg	81%	b	75-125	4	20	0.96
Silver	52.63	ND	53.42	mg/Kg	99%		75-125	3	20	0.96
Thallium	116.2	1.235	106.8	mg/Kg	108%	b	75-125	4	20	0.96
Vanadium	167.5	48.99	106.8	mg/Kg	111%		75-125	5	20	0.96
Zinc	162.4	44.69	106.8	mg/Kg	110%		75-125	5	20	0.96

Type:	**Blank**	**Lab ID:**	**QC1051523**	**Batch:**	**309540**
Matrix:	**Water**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1051523 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	03/13/23	03/13/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051524**	**Batch:**	**309540**
Matrix:	**Water**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1051524 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.863	5.000	ug/L	97%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1051525**	**Batch:**	**309540**
Matrix (Source ID):	**Water (481295-033)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1051525 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.748	ND	5.000	ug/L	95%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051526**	**Batch:**	**309540**
Matrix (Source ID):	**Water (481295-033)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1051526 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.064	ND	5.000	ug/L	101%		75-125	6	20	1

Type:	**Blank**	**Lab ID:**	**QC1051643**	**Batch:**	**309580**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1051643 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	03/13/23	03/14/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051644**	**Batch:**	**309580**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1051644 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8032	0.8333	mg/Kg	96%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1051645**	**Batch:**	**309580**
Matrix (Source ID):	**Soil (481295-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1051645 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.021	0.01209	1.089	mg/Kg	93%		75-125	1.2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051646**	**Batch:**	**309580**
Matrix (Source ID):	**Soil (481295-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1051646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.064	0.01209	1.089	mg/Kg	97%		75-125	4	20	1.2

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051350**	**Batch:**	**309495**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5035**

QC1051350 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	4.885	5.000	mg/Kg	98%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2258	0.2000	mg/Kg	113%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1051351	Batch: 309495
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051351 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	4.948	5.000	mg/Kg	99%		70-130	1	20
Surrogates								
Bromofluorobenzene (FID)	0.2220	0.2000	mg/Kg	111%		60-140		

Type: Blank	Lab ID: QC1051352	Batch: 309495
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051352 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	03/13/23	03/13/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	86%		%REC	60-140	03/13/23	03/13/23

Type: Blank	Lab ID: QC1051353	Batch: 309495
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051353 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	03/13/23	03/13/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	71%		%REC	60-140	03/13/23	03/13/23

Type: Lab Control Sample	Lab ID: QC1051694	Batch: 309592
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1051694 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.928	5.000	mg/Kg	119%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2214	0.2000	mg/Kg	111%		60-140

Type: Lab Control Sample Duplicate	Lab ID: QC1051695	Batch: 309592
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1051695 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	5.907	5.000	mg/Kg	118%		70-130	0	20
Surrogates								
Bromofluorobenzene (FID)	0.2481	0.2000	mg/Kg	124%		60-140		

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Batch QC

Type: Blank	**Lab ID: QC1051696**	**Batch: 309592**
Matrix: Soil	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1051696 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	03/13/23	03/13/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	66%		%REC	60-140	03/13/23	03/13/23

Type: Blank	**Lab ID: QC1051697**	**Batch: 309592**
Matrix: Soil	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1051697 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	03/13/23	03/13/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	65%		%REC	60-140	03/13/23	03/13/23

Type: Blank	**Lab ID: QC1051784**	**Batch: 309575**
Matrix: Soil	**Method: EPA 8015M**	**Prep Method: EPA 3580M**

QC1051784 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	10	03/13/23	03/14/23
ORO C28-C44	ND		mg/Kg	20	03/13/23	03/14/23
Surrogates				**Limits**		
n-Triacontane	95%		%REC	70-130	03/13/23	03/14/23

Type: Lab Control Sample	**Lab ID: QC1051785**	**Batch: 309575**
Matrix: Soil	**Method: EPA 8015M**	**Prep Method: EPA 3580M**

QC1051785 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	214.0	248.1	mg/Kg	86%		76-122
Surrogates						
n-Triacontane	9.116	9.926	mg/Kg	92%		70-130

Type: Matrix Spike	**Lab ID: QC1051786**	**Batch: 309575**
Matrix (Source ID): Soil (481295-001)	**Method: EPA 8015M**	**Prep Method: EPA 3580M**
		Basis: Dry

QC1051786 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	235.8	ND	275.4	mg/Kg	86%		62-126	0.99
Surrogates								
n-Triacontane	14.15		11.02	mg/Kg	128%		70-130	0.99

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051787**	**Batch:**	**309575**
Matrix (Source ID):	**Soil (481295-001)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**
				Basis:	**Dry**

QC1051787 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	237.4	ND	277.1	mg/Kg	86%		62-126	0	35	1
Surrogates										
n-Triacontane	10.06		11.08	mg/Kg	91%		70-130			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051745**	**Batch:**	**309569**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1051745 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.4460	0.5000	ug/L	89%		53-120
beta-BHC	0.4695	0.5000	ug/L	94%		59-120
gamma-BHC	0.4491	0.5000	ug/L	90%		54-120
delta-BHC	0.5039	0.5000	ug/L	101%		58-120
Heptachlor	0.4408	0.5000	ug/L	88%		49-120
Aldrin	0.4257	0.5000	ug/L	85%		47-120
Heptachlor epoxide	0.4691	0.5000	ug/L	94%		53-120
Endosulfan I	0.4694	0.5000	ug/L	94%		56-120
Dieldrin	0.4373	0.5000	ug/L	87%		55-120
4,4'-DDE	0.4673	0.5000	ug/L	93%		55-120
Endrin	0.4507	0.5000	ug/L	90%		57-120
Endosulfan II	0.4634	0.5000	ug/L	93%		58-120
Endosulfan sulfate	0.4280	0.5000	ug/L	86%		56-120
4,4'-DDD	0.4766	0.5000	ug/L	95%		53-120
Endrin aldehyde	0.4093	0.5000	ug/L	82%		45-120
Endrin ketone	0.4599	0.5000	ug/L	92%		61-120
4,4'-DDT	0.4551	0.5000	ug/L	91%		58-120
Methoxychlor	0.4616	0.5000	ug/L	92%		54-120
Surrogates						
TCMX	0.3735	0.5000	ug/L	75%		14-120
Decachlorobiphenyl	0.3973	0.5000	ug/L	79%		20-120

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1051746**	**Batch:**	**309569**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1051746 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4473	0.5000	ug/L	89%		53-120	0	20
beta-BHC	0.4769	0.5000	ug/L	95%		59-120	2	20
gamma-BHC	0.4544	0.5000	ug/L	91%		54-120	1	20
delta-BHC	0.5061	0.5000	ug/L	101%		58-120	0	20
Heptachlor	0.4460	0.5000	ug/L	89%		49-120	1	20
Aldrin	0.4392	0.5000	ug/L	88%		47-120	3	20
Heptachlor epoxide	0.4829	0.5000	ug/L	97%		53-120	3	20
Endosulfan I	0.4870	0.5000	ug/L	97%		56-120	4	20
Dieldrin	0.4534	0.5000	ug/L	91%		55-120	4	20
4,4'-DDE	0.4780	0.5000	ug/L	96%		55-120	2	20
Endrin	0.4619	0.5000	ug/L	92%		57-120	2	20
Endosulfan II	0.4771	0.5000	ug/L	95%		58-120	3	20
Endosulfan sulfate	0.4406	0.5000	ug/L	88%		56-120	3	20
4,4'-DDD	0.4968	0.5000	ug/L	99%		53-120	4	20
Endrin aldehyde	0.4245	0.5000	ug/L	85%		45-120	4	20
Endrin ketone	0.4741	0.5000	ug/L	95%		61-120	3	20
4,4'-DDT	0.4641	0.5000	ug/L	93%		58-120	2	20
Methoxychlor	0.4920	0.5000	ug/L	98%		54-120	6	20
Surrogates								
TCMX	0.3713	0.5000	ug/L	74%		14-120		
Decachlorobiphenyl	0.4134	0.5000	ug/L	83%		20-120		

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Batch QC

Type: Blank	Lab ID: QC1051747	Batch: 309569
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1051747 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/L	0.05	03/13/23	03/13/23
beta-BHC	ND		ug/L	0.05	03/13/23	03/13/23
gamma-BHC	ND		ug/L	0.05	03/13/23	03/13/23
delta-BHC	ND		ug/L	0.05	03/13/23	03/13/23
Heptachlor	ND		ug/L	0.05	03/13/23	03/13/23
Aldrin	ND		ug/L	0.05	03/13/23	03/13/23
Heptachlor epoxide	ND		ug/L	0.05	03/13/23	03/13/23
Endosulfan I	ND		ug/L	0.05	03/13/23	03/13/23
Dieldrin	ND		ug/L	0.1	03/13/23	03/13/23
4,4'-DDE	ND		ug/L	0.1	03/13/23	03/13/23
Endrin	ND		ug/L	0.1	03/13/23	03/13/23
Endosulfan II	ND		ug/L	0.1	03/13/23	03/13/23
Endosulfan sulfate	ND		ug/L	0.1	03/13/23	03/13/23
4,4'-DDD	ND		ug/L	0.1	03/13/23	03/13/23
Endrin aldehyde	ND		ug/L	0.1	03/13/23	03/13/23
Endrin ketone	ND		ug/L	0.1	03/13/23	03/13/23
4,4'-DDT	ND		ug/L	0.1	03/13/23	03/13/23
Methoxychlor	ND		ug/L	0.2	03/13/23	03/13/23
Toxaphene	ND		ug/L	2.0	03/13/23	03/13/23
Chlordane (Technical)	ND		ug/L	1.0	03/13/23	03/13/23
Surrogates				**Limits**		
TCMX	65%		%REC	14-120	03/13/23	03/13/23
Decachlorobiphenyl	72%		%REC	20-120	03/13/23	03/13/23

Type: Blank	Lab ID: QC1051674	Batch: 309587
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1051674 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1221	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1232	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1242	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1248	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1254	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1260	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1262	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1268	ND		ug/Kg	49	03/13/23	03/14/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	101%		%REC	19-121	03/13/23	03/14/23

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Batch QC

Type: Lab Control Sample	**Lab ID:** QC1051675	**Batch:** 309587
Matrix: Soil	**Method:** EPA 8082	**Prep Method:** EPA 3546

QC1051675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	475.2	494.1	ug/Kg	96%		14-150
Aroclor-1260	498.9	494.1	ug/Kg	101%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	47.40	49.41	ug/Kg	96%		19-121

Type: Matrix Spike	**Lab ID:** QC1051780	**Batch:** 309587
Matrix (Source ID): Soil (481298-001)	**Method:** EPA 8082	**Prep Method:** EPA 3546
		Basis: Dry

QC1051780 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	491.8	ND	533.4	ug/Kg	92%		42-127	0.99
Aroclor-1260	530.2	ND	533.4	ug/Kg	99%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	49.06		53.34	ug/Kg	92%		19-121	0.99

Type: Matrix Spike Duplicate	**Lab ID:** QC1051781	**Batch:** 309587
Matrix (Source ID): Soil (481298-001)	**Method:** EPA 8082	**Prep Method:** EPA 3546
		Basis: Dry

QC1051781 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	480.0	ND	533.4	ug/Kg	90%		42-127	2	30	0.99
Aroclor-1260	546.1	ND	533.4	ug/Kg	102%		38-130	3	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	48.64		53.34	ug/Kg	91%		19-121			0.99

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Batch QC

Type: Lab Control Sample	Lab ID: QC1051407	Batch: 309510
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1051407 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.77	50.00	ug/Kg	108%		70-131
MTBE	43.61	50.00	ug/Kg	87%		69-130
Benzene	51.05	50.00	ug/Kg	102%		70-130
Trichloroethene	50.44	50.00	ug/Kg	101%		70-130
Toluene	50.73	50.00	ug/Kg	101%		70-130
Chlorobenzene	51.38	50.00	ug/Kg	103%		70-130
Surrogates						
Dibromofluoromethane	52.48	50.00	ug/Kg	105%		70-130
1,2-Dichloroethane-d4	50.28	50.00	ug/Kg	101%		70-145
Toluene-d8	49.83	50.00	ug/Kg	100%		70-145
Bromofluorobenzene	50.03	50.00	ug/Kg	100%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1051408	Batch: 309510
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1051408 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	50.82	50.00	ug/Kg	102%		70-131	6	33
MTBE	42.52	50.00	ug/Kg	85%		69-130	3	30
Benzene	49.45	50.00	ug/Kg	99%		70-130	3	30
Trichloroethene	46.78	50.00	ug/Kg	94%		70-130	8	30
Toluene	47.76	50.00	ug/Kg	96%		70-130	6	30
Chlorobenzene	48.78	50.00	ug/Kg	98%		70-130	5	30
Surrogates								
Dibromofluoromethane	51.53	50.00	ug/Kg	103%		70-130		
1,2-Dichloroethane-d4	50.02	50.00	ug/Kg	100%		70-145		
Toluene-d8	49.64	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	49.34	50.00	ug/Kg	99%		70-145		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1051411**	**Batch:**	**309510**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1051411 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/11/23	03/11/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/11/23	03/11/23
Freon 12	ND		ug/Kg	5.0	03/11/23	03/11/23
Chloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Vinyl Chloride	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromomethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Chloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Trichlorofluoromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Acetone	ND		ug/Kg	100	03/11/23	03/11/23
Freon 113	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1-Dichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
Methylene Chloride	ND		ug/Kg	5.0	03/11/23	03/11/23
MTBE	ND		ug/Kg	5.0	03/11/23	03/11/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1-Dichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
2-Butanone	ND		ug/Kg	100	03/11/23	03/11/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
2,2-Dichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Chloroform	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromochloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1-Dichloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
Carbon Tetrachloride	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Benzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Trichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromodichloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Dibromomethane	ND		ug/Kg	5.0	03/11/23	03/11/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	03/11/23	03/11/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
Toluene	ND		ug/Kg	5.0	03/11/23	03/11/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,3-Dichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Tetrachloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
Dibromochloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dibromoethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Chlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Ethylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23

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Batch QC

QC1051411 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	03/11/23	03/11/23
o-Xylene	ND		ug/Kg	5.0	03/11/23	03/11/23
Styrene	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromoform	ND		ug/Kg	5.0	03/11/23	03/11/23
Isopropylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Propylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
2-Chlorotoluene	ND		ug/Kg	5.0	03/11/23	03/11/23
4-Chlorotoluene	ND		ug/Kg	5.0	03/11/23	03/11/23
tert-Butylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
sec-Butylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
n-Butylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Hexachlorobutadiene	ND		ug/Kg	5.0	03/11/23	03/11/23
Naphthalene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Xylene (total)	ND		ug/Kg	5.0	03/11/23	03/11/23
Surrogates				**Limits**		
Dibromofluoromethane	99%		%REC	70-130	03/11/23	03/11/23
1,2-Dichloroethane-d4	102%		%REC	70-145	03/11/23	03/11/23
Toluene-d8	100%		%REC	70-145	03/11/23	03/11/23
Bromofluorobenzene	99%		%REC	70-145	03/11/23	03/11/23

* Value is outside QC limits
ND Not Detected
b See narrative

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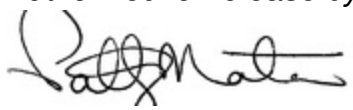
Lab Job Number: 481298
Report Level: II
Report Date: 03/17/2023

Analytical Report *prepared for:*

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Location: Calpine Manifee, 0027.008.001

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

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Sample Summary

Alice Price Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612		Lab Job #: Location: Date Received:	481298 Calpine Manifee, 0027.008.001 03/10/23

Sample ID	Lab ID	Collected	Matrix
SB-57-0.5	481298-001	03/10/23 07:44	Soil
SB-57-2.5	481298-002	03/10/23 07:47	Soil
SB-58-2.5	481298-003	03/10/23 08:11	Soil
SB-58-4.5	481298-004	03/10/23 08:14	Soil
SB-73-0.5	481298-005	03/10/23 08:35	Soil
SB-73-2.5	481298-006	03/10/23 08:57	Soil
SB-60-0.5	481298-007	03/10/23 09:23	Soil
SB-60-2.5	481298-008	03/10/23 09:28	Soil
SB-71-3.5	481298-009	03/10/23 11:45	Soil
SB-62-0.5	481298-010	03/10/23 12:06	Soil
SB-62-2.5	481298-011	03/10/23 12:14	Soil
SB-72-2.5	481298-012	03/10/23 14:05	Soil
EB-20230310-HA	481298-013	03/10/23 14:50	Water
TB-20230310	481298-014	03/10/23 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Terraphase Engineering	Lab Job Number: 481298
18401 Von Karman Ave, Suite #410	Location: Calpine Manifee, 0027.008.001
Irvine, CA 92612	Date Received: 03/10/23
Alice Price	

This data package contains sample and QC results for twelve soil samples and two water samples, requested for the above referenced project on 03/10/23. The samples were received cold and intact. Sample IDs were updated per client email for selected samples. The EB water sample was submitted in 1L amber glass bottles plus HCl-preserved VOA vials, but no plastic bottle for metals testing. The metals analysis was not performed for the EB water sample.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M) Soil:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

PCBs (EPA 8082) Water:
No analytical problems were encountered.

PCBs (EPA 8082) Soil:
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of SB-57-0.5 (lab # 481298-001); the LCS was within limits, and the associated RPD was within limits.
- Zinc was detected above the RL in the method blank for batch 309583; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Moisture (ASTM D2216):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481298
Location: Calpine Manifee, 0027.008.001
Date Received: 03/10/23

Sample ID: SB-57-0.5 **Lab ID: 481298-001** **Collected: 03/10/23 07:44**
Matrix: Soil **Basis: Dry**

481298-001 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**7**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**130**		mg/Kg	1.0
Chromium	**11**		mg/Kg	1.0
Cobalt	**7.0**		mg/Kg	0.52
Copper	**9.7**		mg/Kg	1.0
Lead	**4.0**		mg/Kg	1.0
Nickel	**5.1**		mg/Kg	1.0
Vanadium	**33**		mg/Kg	1.0
Zinc	**30**		mg/Kg	5.4

Sample ID: SB-57-2.5 **Lab ID: 481298-002** **Collected: 03/10/23 07:47**
Matrix: Soil **Basis: Dry**

481298-002 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**9**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**1.4**		mg/Kg	1.1
Barium	**180**		mg/Kg	1.1
Chromium	**13**		mg/Kg	1.1
Cobalt	**8.3**		mg/Kg	0.55
Copper	**10**		mg/Kg	1.1
Lead	**5.0**		mg/Kg	1.1
Nickel	**5.5**		mg/Kg	1.1
Vanadium	**46**		mg/Kg	1.1
Zinc	**33**		mg/Kg	5.0

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-58-2.5	Lab ID: 481298-003	Collected: 03/10/23 08:11
	Matrix: Soil	Basis: Dry

481298-003 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**8**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Barium	**120**		mg/Kg	1.1
Chromium	**10**		mg/Kg	1.1
Cobalt	**6.5**		mg/Kg	0.53
Copper	**9.7**		mg/Kg	1.1
Lead	**3.5**		mg/Kg	1.1
Nickel	**4.8**		mg/Kg	1.1
Vanadium	**33**		mg/Kg	1.1
Zinc	**28**		mg/Kg	5.0

Sample ID: SB-58-4.5	Lab ID: 481298-004	Collected: 03/10/23 08:14
	Matrix: Soil	Basis: Dry

481298-004 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**8**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**1.9**		mg/Kg	1.0
Barium	**210**		mg/Kg	1.0
Chromium	**16**		mg/Kg	1.0
Cobalt	**12**		mg/Kg	0.52
Copper	**15**		mg/Kg	1.0
Lead	**6.2**		mg/Kg	1.0
Nickel	**7.4**		mg/Kg	1.0
Vanadium	**54**		mg/Kg	1.0
Zinc	**45**		mg/Kg	4.9

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-73-0.5	Lab ID: 481298-005	Collected: 03/10/23 08:35
	Matrix: Soil	Basis: Dry

481298-005 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**8**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.3**		mg/Kg	1.1
Barium	**190**		mg/Kg	1.1
Chromium	**16**		mg/Kg	1.1
Cobalt	**8.2**		mg/Kg	0.53
Copper	**18**		mg/Kg	1.1
Lead	**5.5**		mg/Kg	1.1
Nickel	**8.4**		mg/Kg	1.1
Vanadium	**47**		mg/Kg	1.1
Zinc	**54**		mg/Kg	5.4

Sample ID: SB-73-2.5	Lab ID: 481298-006	Collected: 03/10/23 08:57
	Matrix: Soil	Basis: Dry

481298-006 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**9**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.7**		mg/Kg	1.1
Barium	**290**		mg/Kg	1.1
Chromium	**20**		mg/Kg	1.1
Cobalt	**11**		mg/Kg	0.54
Copper	**17**		mg/Kg	1.1
Lead	**7.8**		mg/Kg	1.1
Nickel	**8.9**		mg/Kg	1.1
Vanadium	**66**		mg/Kg	1.1
Zinc	**33**		mg/Kg	4.9

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-60-0.5	Lab ID: 481298-007	Collected: 03/10/23 09:23
	Matrix: Soil	Basis: Dry

481298-007 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**11**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**4.7**		mg/Kg	1.1
Barium	**190**		mg/Kg	1.1
Chromium	**19**		mg/Kg	1.1
Cobalt	**9.0**		mg/Kg	0.56
Copper	**27**		mg/Kg	1.1
Lead	**11**		mg/Kg	1.1
Nickel	**8.9**		mg/Kg	1.1
Vanadium	**48**		mg/Kg	1.1
Zinc	**160**		mg/Kg	5.3
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	**13**		mg/Kg	11

Sample ID: SB-60-2.5	Lab ID: 481298-008	Collected: 03/10/23 09:28
	Matrix: Soil	Basis: Dry

481298-008 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**9**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**1.6**		mg/Kg	1.1
Barium	**190**		mg/Kg	1.1
Chromium	**14**		mg/Kg	1.1
Cobalt	**8.4**		mg/Kg	0.55
Copper	**15**		mg/Kg	1.1
Lead	**6.2**		mg/Kg	1.1
Nickel	**6.5**		mg/Kg	1.1
Vanadium	**45**		mg/Kg	1.1
Zinc	**44**		mg/Kg	5.5

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-71-3.5	Lab ID: 481298-009	Collected: 03/10/23 11:45
	Matrix: Soil	Basis: Dry

481298-009 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**13**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**5.3**		mg/Kg	1.1
Barium	**140**		mg/Kg	1.1
Chromium	**29**		mg/Kg	1.1
Cobalt	**9.0**		mg/Kg	0.56
Copper	**36**		mg/Kg	1.1
Lead	**13**		mg/Kg	1.1
Molybdenum	**2.4**		mg/Kg	1.1
Nickel	**15**		mg/Kg	1.1
Vanadium	**43**		mg/Kg	1.1
Zinc	**140**		mg/Kg	5.6

Sample ID: SB-62-0.5	Lab ID: 481298-010	Collected: 03/10/23 12:06
	Matrix: Soil	Basis: Dry

481298-010 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**10**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**2.8**		mg/Kg	1.1
Barium	**220**		mg/Kg	1.1
Chromium	**21**		mg/Kg	1.1
Cobalt	**9.4**		mg/Kg	0.53
Copper	**22**		mg/Kg	1.1
Lead	**9.9**		mg/Kg	1.1
Nickel	**9.1**		mg/Kg	1.1
Vanadium	**50**		mg/Kg	1.1
Zinc	**180**		mg/Kg	5.3

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-62-2.5	Lab ID: 481298-011	Collected: 03/10/23 12:14
	Matrix: Soil	Basis: Dry

481298-011 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**9**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**1.5**		mg/Kg	1.1
Barium	**270**		mg/Kg	1.1
Chromium	**18**		mg/Kg	1.1
Cobalt	**11**		mg/Kg	0.53
Copper	**15**		mg/Kg	1.1
Lead	**6.2**		mg/Kg	1.1
Nickel	**7.8**		mg/Kg	1.1
Vanadium	**58**		mg/Kg	1.1
Zinc	**39**		mg/Kg	5.4

Sample ID: SB-72-2.5	Lab ID: 481298-012	Collected: 03/10/23 14:05
	Matrix: Soil	Basis: Dry

481298-012 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**14**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**5.2**		mg/Kg	1.1
Barium	**140**		mg/Kg	1.1
Chromium	**28**		mg/Kg	1.1
Cobalt	**7.7**		mg/Kg	0.56
Copper	**30**		mg/Kg	1.1
Lead	**15**		mg/Kg	1.1
Molybdenum	**3.4**		mg/Kg	1.1
Nickel	**15**		mg/Kg	1.1
Vanadium	**41**		mg/Kg	1.1
Zinc	**140**		mg/Kg	5.6

Sample ID: EB-20230310-HA	Lab ID: 481298-013	Collected: 03/10/23 14:50

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: TB-20230310	Lab ID: 481298-014	Collected: 03/10/23

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record — Lab No: 481298 — Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Quote #:	
Report To:	Alice Hale Price	Proj. Name:	Calpine Manteca
Email:	alice.hale.price@terraphase.com	Proj. #:	0027.008.001
Address:	18401 Von Karmen #410	P.O. #:	
	Irvine CA	Address:	28226 Antelope Rd
Phone:	510-390-1276	Global ID:	
Fax:		Sampled By:	VMK

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH-g -d -mo	PCBs	VOCs	Total Metals	Moisture Content					Hold	Test Instructions / Comments
1	SB-57-0.5	3/10/23	0744	S	1 8oz 5vom		X	X		X	X						Report results in dry weight
2	SB-57-2.5		0747				*	*	X	*	X						*: Extract and hold
3	SB-58-2.5		0811				X	X	X	X	X						Change SB-66 to SB-73
4	SB-58-4.5		0814				*	*	*	*	X						4, 8/ 1, 4
5	SB-66-0.5		0835				X	X		X	X						SB-73-0.5
6	SB-66-2.5		0857				*	*	X	*	X						SB-73-2.5
7	SB-60-0.5		0923				X			X	X						
8	SB-60-2.5		0928				*		X	*	X						
9	SB-71-2.5		1145				X	X	X	X	X						
10	SB-62-0.5		1206				X			X	X						

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Vanya Keyes	TEI Sr SII	3/10/23 1575
1 Received By:		JULIANNA CATIVO	TEI / GEOLOGIST	3/10/23 1575
2 Relinquished By:		JULIANNA CATIVO	TEI / GEOLOGIST	03/10/23 17:44
2 Received By:		Glen	CA	3/10/23 1844
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 401298

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Name:	Calpine Manifold
Report To:	alice.hale.price@terraphase	Number:	0027.008.001
Email:	Alice Hale Price	P.O. #:	
Address:	18401 Von Karmen #410	Address:	26226 Antelope Rd
	Irvine CA		
Phone:	510-390-1276	Global ID:	
Fax:		Sampled By:	VMK

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH-g -d -mo 8015M	PCBs 8082	OCPs 8081A	VOCs 8260	Total Metals 6010/7471A	Moisture Content				Hold
1	SB-62-2.5	3/10/23	1214	S	1 8oz 5voa		*			X	*	X				
2	SB-72-2.5	↓	1405	S	1 8oz 5voa		X	X		X	X	X				
3	EB-20230310-HA		1450	W	2L 5voa		X	X		X	X					
4	TB-20230310	↓	—	W	2 voa					X						
5																
6																
7																
8																
9																
10																

Test Instructions / Comments

Report results in dry weight

*: Extract and hold

4:3/1.4

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Vanya Keyes	TEI Sr SII	3/10/23 1515
[1] Received By:		JULIANNA CAMINO	TEI/GEOLOGIST	3/10/23 1515
[2] Relinquished By:		JULIANNA CAMINO	TEI/GEOLOGIST	03/10/23 1744
[2] Received By:			GA	3/10/23 1746
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: Calpine Menifee

Date Received: 3/10/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3-10-23

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

[EXTERNAL] RE: No Pickup today?

1 message

Alice Hale Price <alice.hale.price@terraphase.com> Fri, Mar 10, 2023 at 3:46 PM
To: Patty Mata <patty.mata@enthalpy.com>, Clare Steedman <clare.steedman@terraphase.com>, Vanya Keyes <vanya.keyes@terraphase.com>

Hi Patty –

Apologies for the late cancel – when our crew heard that the courier couldn't be there until 4pm, they decided it would be best to drive the samples down themselves. They are leaving the site with the coolers shortly.

Please note – I had a mixup on my end with sample IDs. There will be notes for 2 sample locations that the IDs need to be changed by the lab:

- On COC SB-66-0.5: Please change to SB-73-0.5
- On COC SB-66-2.5: Please change to SB-73-2.5
- On COC SB-68-bs: Please change to SB-74-bs
- On COC SB-68-1 bbs: Please change to SB-74-1 bbs

There will be 4 coliform samples submitted today.

We will need a pickup on Monday and likely on Tuesday as well.

Thanks,

Alice

Alice Hale Price, PE

Principal Engineer & Director of Bay Area Operations

(she/her)

1300 Clay Street, Suite 1000

Oakland, California 94612

O: 510.645.1850 ext. 57 | F: 510-380-6304 | C: 510.390.1276

alice.hale.price@terraphase.com

From: Patty Mata <patty.mata@enthalpy.com>
Sent: Friday, March 10, 2023 3:40 PM
To: Clare Steedman <clare.steedman@terraphase.com>; Vanya Keyes <vanya.keyes@terraphase.com>; Alice Hale

ENTHALPY ANALYTICAL

Analysis Results for 481298

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481298
Location: Calpine Manifee, 0027.008.001
Date Received: 03/10/23

Sample ID: SB-57-0.5 **Lab ID: 481298-001** **Collected: 03/10/23 07:44**
Matrix: Soil **Basis: Dry**

481298-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**7**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.1	0.96	309583	03/13/23	03/14/23	SBW
Arsenic	ND		mg/Kg	1.0	0.96	309583	03/13/23	03/15/23	SBW
Barium	**130**		mg/Kg	1.0	0.96	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.52	0.96	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.52	0.96	309583	03/13/23	03/14/23	SBW
Chromium	**11**		mg/Kg	1.0	0.96	309583	03/13/23	03/14/23	SBW
Cobalt	**7.0**		mg/Kg	0.52	0.96	309583	03/13/23	03/14/23	SBW
Copper	**9.7**		mg/Kg	1.0	0.96	309583	03/13/23	03/14/23	SBW
Lead	**4.0**		mg/Kg	1.0	0.96	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.0	0.96	309583	03/13/23	03/15/23	SBW
Nickel	**5.1**		mg/Kg	1.0	0.96	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.1	0.96	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.52	0.96	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.1	0.96	309583	03/13/23	03/14/23	SBW
Vanadium	**33**		mg/Kg	1.0	0.96	309583	03/13/23	03/15/23	SBW
Zinc	**30**		mg/Kg	5.4	1	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.2	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.2	1	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	79%		%REC	60-140	1	309495	03/13/23	03/13/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	0.99	309574	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	21	0.99	309574	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	96%		%REC	70-130	0.99	309574	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1016	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1254	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	53	1	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	94%		%REC	19-121	1	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

Sample ID: SB-57-2.5	Lab ID: 481298-002	Collected: 03/10/23 07:47
	Matrix: Soil	Basis: Dry

481298-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**9**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.3	1	309583	03/13/23	03/14/23	SBW
Arsenic	**1.4**		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Barium	**180**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.55	1	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.55	1	309583	03/13/23	03/15/23	SBW
Chromium	**13**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Cobalt	**8.3**		mg/Kg	0.55	1	309583	03/13/23	03/14/23	SBW
Copper	**10**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Lead	**5.0**		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Nickel	**5.5**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.3	1	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.55	1	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.3	1	309583	03/13/23	03/14/23	SBW
Vanadium	**46**		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Zinc	**33**		mg/Kg	5.0	0.92	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.2	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.0	0.9	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	86%		%REC	60-140	0.9	309495	03/13/23	03/13/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	19	1.2	309496	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	130	1.2	309496	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	130	1.2	309496	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	11	1.2	309496	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	13	1.2	309496	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	6.5	1.2	309496	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-145	1.2	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	111%		%REC	70-145	1.2	309496	03/11/23	03/11/23	EJB
Toluene-d8	129%		%REC	70-145	1.2	309496	03/11/23	03/11/23	EJB
Bromofluorobenzene	110%		%REC	70-145	1.2	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

Sample ID: SB-58-2.5	Lab ID: 481298-003	Collected: 03/10/23 08:11
	Matrix: Soil	Basis: Dry

481298-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**8**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.97	309583	03/13/23	03/14/23	SBW
Arsenic	ND		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Barium	**120**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.97	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.97	309583	03/13/23	03/14/23	SBW
Chromium	**10**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Cobalt	**6.5**		mg/Kg	0.53	0.97	309583	03/13/23	03/14/23	SBW
Copper	**9.7**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Lead	**3.5**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Nickel	**4.8**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.97	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.53	0.97	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.97	309583	03/13/23	03/14/23	SBW
Vanadium	**33**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Zinc	**28**		mg/Kg	5.0	0.93	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.2	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.9	0.89	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	79%		%REC	60-140	0.89	309495	03/13/23	03/13/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	1	309574	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	1	309574	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	94%		%REC	70-130	1	309574	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1254	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	74%		%REC	19-121	1	309587	03/13/23	03/14/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	15	0.94	309496	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	100	0.94	309496	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	100	0.94	309496	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.3	0.94	309496	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

481298-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	10	0.94	309496	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	5.1	0.94	309496	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	105%		%REC	70-145	0.94	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	111%		%REC	70-145	0.94	309496	03/11/23	03/11/23	EJB
Toluene-d8	117%		%REC	70-145	0.94	309496	03/11/23	03/11/23	EJB
Bromofluorobenzene	109%		%REC	70-145	0.94	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

Sample ID: SB-58-4.5	Lab ID: 481298-004	Collected: 03/10/23 08:14
	Matrix: Soil	Basis: Dry

481298-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**8**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.1	0.95	309583	03/13/23	03/14/23	SBW
Arsenic	**1.9**		mg/Kg	1.0	0.95	309583	03/13/23	03/15/23	SBW
Barium	**210**		mg/Kg	1.0	0.95	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.52	0.95	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.52	0.95	309583	03/13/23	03/15/23	SBW
Chromium	**16**		mg/Kg	1.0	0.95	309583	03/13/23	03/14/23	SBW
Cobalt	**12**		mg/Kg	0.52	0.95	309583	03/13/23	03/14/23	SBW
Copper	**15**		mg/Kg	1.0	0.95	309583	03/13/23	03/14/23	SBW
Lead	**6.2**		mg/Kg	1.0	0.95	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.0	0.95	309583	03/13/23	03/15/23	SBW
Nickel	**7.4**		mg/Kg	1.0	0.95	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.1	0.95	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.52	0.95	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.1	0.95	309583	03/13/23	03/14/23	SBW
Vanadium	**54**		mg/Kg	1.0	0.95	309583	03/13/23	03/15/23	SBW
Zinc	**45**		mg/Kg	4.9	0.89	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	309593	03/13/23	03/14/23	KAM

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

Sample ID: SB-73-0.5	Lab ID: 481298-005	Collected: 03/10/23 08:35
	Matrix: Soil	Basis: Dry

481298-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**8**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.97	309583	03/13/23	03/14/23	SBW
Arsenic	**2.3**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Barium	**190**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.97	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.97	309583	03/13/23	03/15/23	SBW
Chromium	**16**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Cobalt	**8.2**		mg/Kg	0.53	0.97	309583	03/13/23	03/14/23	SBW
Copper	**18**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Lead	**5.5**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Nickel	**8.4**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.97	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.53	0.97	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.97	309583	03/13/23	03/14/23	SBW
Vanadium	**47**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Zinc	**54**		mg/Kg	5.4	1	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	4.0	1.2	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	83%		%REC	60-140	1.2	309495	03/13/23	03/13/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	1	309574	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	1	309574	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	1	309574	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1254	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	54	1	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	98%		%REC	19-121	1	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

Sample ID: SB-73-2.5	Lab ID: 481298-006	Collected: 03/10/23 08:57
	Matrix: Soil	Basis: Dry

481298-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**9**		%	1	1	309622	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.98	309583	03/13/23	03/14/23	SBW
Arsenic	**2.7**		mg/Kg	1.1	0.98	309583	03/13/23	03/15/23	SBW
Barium	**290**		mg/Kg	1.1	0.98	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.54	0.98	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.54	0.98	309583	03/13/23	03/15/23	SBW
Chromium	**20**		mg/Kg	1.1	0.98	309583	03/13/23	03/14/23	SBW
Cobalt	**11**		mg/Kg	0.54	0.98	309583	03/13/23	03/14/23	SBW
Copper	**17**		mg/Kg	1.1	0.98	309583	03/13/23	03/14/23	SBW
Lead	**7.8**		mg/Kg	1.1	0.98	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.98	309583	03/13/23	03/15/23	SBW
Nickel	**8.9**		mg/Kg	1.1	0.98	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.98	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.54	0.98	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.98	309583	03/13/23	03/14/23	SBW
Vanadium	**66**		mg/Kg	1.1	0.98	309583	03/13/23	03/15/23	SBW
Zinc	**33**		mg/Kg	4.9	0.89	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.2	0.96	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	80%		%REC	60-140	0.96	309495	03/13/23	03/13/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	26	1.6	309496	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	170	1.6	309496	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	170	1.6	309496	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	14	1.6	309496	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	17	1.6	309496	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	8.7	1.6	309496	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	99%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	98%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB
Toluene-d8	128%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB
Bromofluorobenzene	111%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

Sample ID: SB-60-0.5	Lab ID: 481298-007	Collected: 03/10/23 09:23
	Matrix: Soil	Basis: Dry

481298-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**11**		%	1	1	309628	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.3	0.99	309583	03/13/23	03/14/23	SBW
Arsenic	**4.7**		mg/Kg	1.1	0.99	309583	03/13/23	03/15/23	SBW
Barium	**190**		mg/Kg	1.1	0.99	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.56	0.99	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.56	0.99	309583	03/13/23	03/15/23	SBW
Chromium	**19**		mg/Kg	1.1	0.99	309583	03/13/23	03/14/23	SBW
Cobalt	**9.0**		mg/Kg	0.56	0.99	309583	03/13/23	03/14/23	SBW
Copper	**27**		mg/Kg	1.1	0.99	309583	03/13/23	03/14/23	SBW
Lead	**11**		mg/Kg	1.1	0.99	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.99	309583	03/13/23	03/15/23	SBW
Nickel	**8.9**		mg/Kg	1.1	0.99	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.3	0.99	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.56	0.99	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.3	0.99	309583	03/13/23	03/14/23	SBW
Vanadium	**48**		mg/Kg	1.1	0.99	309583	03/13/23	03/15/23	SBW
Zinc	**160**		mg/Kg	5.3	0.94	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	4.4	1.3	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	84%		%REC	60-140	1.3	309495	03/13/23	03/13/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	**13**		mg/Kg	11	0.99	309574	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	0.99	309574	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	95%		%REC	70-130	0.99	309574	03/13/23	03/14/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

Sample ID: SB-60-2.5	Lab ID: 481298-008	Collected: 03/10/23 09:28
	Matrix: Soil	Basis: Dry

481298-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**9**		%	1	1	309628	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.3	1	309583	03/13/23	03/14/23	SBW
Arsenic	**1.6**		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Barium	**190**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.55	1	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.55	1	309583	03/13/23	03/15/23	SBW
Chromium	**14**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Cobalt	**8.4**		mg/Kg	0.55	1	309583	03/13/23	03/14/23	SBW
Copper	**15**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Lead	**6.2**		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Nickel	**6.5**		mg/Kg	1.1	1	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.3	1	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.55	1	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.3	1	309583	03/13/23	03/14/23	SBW
Vanadium	**45**		mg/Kg	1.1	1	309583	03/13/23	03/15/23	SBW
Zinc	**44**		mg/Kg	5.5	1	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.2	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.0	0.92	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	83%		%REC	60-140	0.92	309495	03/13/23	03/13/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	13	0.83	309496	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	91	0.83	309496	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	91	0.83	309496	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	7.4	0.83	309496	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	9.1	0.83	309496	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	4.6	0.83	309496	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	107%		%REC	70-145	0.83	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	113%		%REC	70-145	0.83	309496	03/11/23	03/11/23	EJB
Toluene-d8	116%		%REC	70-145	0.83	309496	03/11/23	03/11/23	EJB
Bromofluorobenzene	113%		%REC	70-145	0.83	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

Sample ID: SB-71-3.5	Lab ID: 481298-009	Collected: 03/10/23 11:45
	Matrix: Soil	Basis: Dry

481298-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**13**		%	1	1	309628	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.3	0.97	309583	03/13/23	03/14/23	SBW
Arsenic	**5.3**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Barium	**140**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.56	0.97	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.56	0.97	309583	03/13/23	03/15/23	SBW
Chromium	**29**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Cobalt	**9.0**		mg/Kg	0.56	0.97	309583	03/13/23	03/14/23	SBW
Copper	**36**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Lead	**13**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Molybdenum	**2.4**		mg/Kg	1.1	0.97	309583	03/13/23	03/16/23	SBW
Nickel	**15**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.3	0.97	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.56	0.97	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.3	0.97	309583	03/13/23	03/14/23	SBW
Vanadium	**43**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Zinc	**140**		mg/Kg	5.6	0.97	309583	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.18	1.1	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.5	1	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	83%		%REC	60-140	1	309495	03/13/23	03/13/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	0.99	309574	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	23	0.99	309574	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	88%		%REC	70-130	0.99	309574	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 481298

481298-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1254	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	57	0.99	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	85%		%REC	19-121	0.99	309587	03/13/23	03/14/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	28	1.6	309496	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	190	1.6	309496	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	190	1.6	309496	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	15	1.6	309496	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

481298-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	19	1.6	309496	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	9.4	1.6	309496	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	110%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB
Toluene-d8	132%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB
Bromofluorobenzene	110%		%REC	70-145	1.6	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

Sample ID: SB-62-0.5	Lab ID: 481298-010	Collected: 03/10/23 12:06
	Matrix: Soil	Basis: Dry

481298-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**10**		%	1	1	309628	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.96	309583	03/13/23	03/14/23	SBW
Arsenic	**2.8**		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Barium	**220**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.96	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.96	309583	03/13/23	03/15/23	SBW
Chromium	**21**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Cobalt	**9.4**		mg/Kg	0.53	0.96	309583	03/13/23	03/14/23	SBW
Copper	**22**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Lead	**9.9**		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Nickel	**9.1**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.96	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.53	0.96	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.96	309583	03/13/23	03/14/23	SBW
Vanadium	**50**		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Zinc	**180**		mg/Kg	5.3	0.96	309583	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.7	1.1	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	85%		%REC	60-140	1.1	309495	03/13/23	03/13/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	11	1	309574	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	22	1	309574	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	90%		%REC	70-130	1	309574	03/13/23	03/14/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

Sample ID: SB-62-2.5	Lab ID: 481298-011	Collected: 03/10/23 12:14
	Matrix: Soil	Basis: Dry

481298-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**9**		%	1	1	309628	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	0.96	309583	03/13/23	03/14/23	SBW
Arsenic	**1.5**		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Barium	**270**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.53	0.96	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.53	0.96	309583	03/13/23	03/15/23	SBW
Chromium	**18**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Cobalt	**11**		mg/Kg	0.53	0.96	309583	03/13/23	03/14/23	SBW
Copper	**15**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Lead	**6.2**		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Molybdenum	ND		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Nickel	**7.8**		mg/Kg	1.1	0.96	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.2	0.96	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.53	0.96	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.2	0.96	309583	03/13/23	03/14/23	SBW
Vanadium	**58**		mg/Kg	1.1	0.96	309583	03/13/23	03/15/23	SBW
Zinc	**39**		mg/Kg	5.4	0.99	309813	03/15/23	03/16/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	4.2	1.3	309495	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	79%		%REC	60-140	1.3	309495	03/13/23	03/13/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	23	1.4	309496	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	160	1.4	309496	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

481298-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	160	1.4	309496	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	13	1.4	309496	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2-Dibromoethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	16	1.4	309496	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

481298-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	7.8	1.4	309496	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	1.4	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	108%		%REC	70-145	1.4	309496	03/11/23	03/11/23	EJB
Toluene-d8	120%		%REC	70-145	1.4	309496	03/11/23	03/11/23	EJB
Bromofluorobenzene	108%		%REC	70-145	1.4	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

Sample ID: SB-72-2.5	Lab ID: 481298-012	Collected: 03/10/23 14:05
	Matrix: Soil	Basis: Dry

481298-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**14**		%	1	1	309628	03/13/23	03/14/23	LVL
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.4	0.97	309583	03/13/23	03/14/23	SBW
Arsenic	**5.2**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Barium	**140**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Beryllium	ND		mg/Kg	0.56	0.97	309583	03/13/23	03/14/23	SBW
Cadmium	ND		mg/Kg	0.56	0.97	309583	03/13/23	03/15/23	SBW
Chromium	**28**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Cobalt	**7.7**		mg/Kg	0.56	0.97	309583	03/13/23	03/14/23	SBW
Copper	**30**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Lead	**15**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Molybdenum	**3.4**		mg/Kg	1.1	0.97	309583	03/13/23	03/16/23	SBW
Nickel	**15**		mg/Kg	1.1	0.97	309583	03/13/23	03/14/23	SBW
Selenium	ND		mg/Kg	3.4	0.97	309583	03/13/23	03/15/23	SBW
Silver	ND		mg/Kg	0.56	0.97	309583	03/13/23	03/14/23	SBW
Thallium	ND		mg/Kg	3.4	0.97	309583	03/13/23	03/14/23	SBW
Vanadium	**41**		mg/Kg	1.1	0.97	309583	03/13/23	03/15/23	SBW
Zinc	**140**		mg/Kg	5.6	0.97	309583	03/13/23	03/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309593	03/13/23	03/14/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.7	1.1	309495	03/13/23	03/13/23	TCN
Surrogates				**Limits**					
Bromofluorobenzene (FID)	77%		%REC	60-140	1.1	309495	03/13/23	03/13/23	TCN
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	12	0.99	309574	03/13/23	03/14/23	SME
ORO C28-C44	ND		mg/Kg	23	0.99	309574	03/13/23	03/14/23	SME
Surrogates				**Limits**					
n-Triacontane	96%		%REC	70-130	0.99	309574	03/13/23	03/14/23	SME
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1254	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/Kg	58	1	309587	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	106%		%REC	19-121	1	309587	03/13/23	03/14/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	22	1.3	309496	03/11/23	03/11/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Freon 12	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Chloromethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Vinyl Chloride	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Bromomethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Chloroethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Trichlorofluoromethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Acetone	ND		ug/Kg	150	1.3	309496	03/11/23	03/11/23	EJB
Freon 113	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Methylene Chloride	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
MTBE	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,1-Dichloroethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
2-Butanone	ND		ug/Kg	150	1.3	309496	03/11/23	03/11/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
2,2-Dichloropropane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Chloroform	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Bromochloromethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,1-Dichloropropene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Carbon Tetrachloride	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Benzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Trichloroethene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2-Dichloropropane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Bromodichloromethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Dibromomethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	12	1.3	309496	03/11/23	03/11/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Toluene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,3-Dichloropropane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Tetrachloroethene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Dibromochloromethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Chlorobenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Ethylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
m,p-Xylenes	ND		ug/Kg	15	1.3	309496	03/11/23	03/11/23	EJB
o-Xylene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Styrene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Bromoform	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Isopropylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Propylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Bromobenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
2-Chlorotoluene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
4-Chlorotoluene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
tert-Butylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
sec-Butylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
n-Butylbenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Hexachlorobutadiene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Naphthalene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Xylene (total)	ND		ug/Kg	7.4	1.3	309496	03/11/23	03/11/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	104%		%REC	70-145	1.3	309496	03/11/23	03/11/23	EJB
1,2-Dichloroethane-d4	105%		%REC	70-145	1.3	309496	03/11/23	03/11/23	EJB
Toluene-d8	117%		%REC	70-145	1.3	309496	03/11/23	03/11/23	EJB
Bromofluorobenzene	107%		%REC	70-145	1.3	309496	03/11/23	03/11/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

Sample ID: EB-20230310-HA	Lab ID: 481298-013	Collected: 03/10/23 14:50
	Matrix: Water	

481298-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	309550	03/13/23	03/13/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	94%		%REC	60-140	1	309550	03/13/23	03/13/23	LYZ
Method: EPA 8015B Prep Method: EPA 3510C									
TPH (C13-C28)	ND		mg/L	0.094	0.94	309533	03/13/23	03/13/23	SME
TPH (C29-C44)	ND		mg/L	0.28	0.94	309533	03/13/23	03/13/23	SME
Surrogates				**Limits**					
n-Triacontane	54%		%REC	35-130	0.94	309533	03/13/23	03/13/23	SME
Method: EPA 8082 Prep Method: EPA 3510C									
Aroclor-1016	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1221	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1232	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1242	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1248	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1254	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1260	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1262	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Aroclor-1268	ND		ug/L	0.46	0.93	309569	03/13/23	03/14/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	68%		%REC	18-126	0.93	309569	03/13/23	03/14/23	MES
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Freon 12	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Vinyl Chloride	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromomethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Trichlorofluoromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Acetone	ND		ug/L	100	1	309504	03/11/23	03/11/23	HMN
Freon 113	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1-Dichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Methylene Chloride	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
MTBE	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1-Dichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
2-Butanone	ND		ug/L	100	1	309504	03/11/23	03/11/23	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481298

481298-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2,2-Dichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chloroform	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromochloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1-Dichloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Carbon Tetrachloride	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Benzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Trichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromodichloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Dibromomethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Toluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,3-Dichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Tetrachloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Dibromochloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dibromoethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Ethylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
m,p-Xylenes	ND		ug/L	10	1	309504	03/11/23	03/11/23	HMN
o-Xylene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Styrene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromoform	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Isopropylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Propylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
2-Chlorotoluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
4-Chlorotoluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
tert-Butylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
sec-Butylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
n-Butylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

481298-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Hexachlorobutadiene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Naphthalene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Xylene (total)	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN
1,2-Dichloroethane-d4	93%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN
Toluene-d8	99%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN
Bromofluorobenzene	101%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

Sample ID: TB-20230310	Lab ID: 481298-014	Collected: 03/10/23
	Matrix: Water	

481298-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Freon 12	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Vinyl Chloride	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromomethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Trichlorofluoromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Acetone	ND		ug/L	100	1	309504	03/11/23	03/11/23	HMN
Freon 113	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1-Dichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Methylene Chloride	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
MTBE	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1-Dichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
2-Butanone	ND		ug/L	100	1	309504	03/11/23	03/11/23	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
2,2-Dichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chloroform	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromochloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1-Dichloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Carbon Tetrachloride	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Benzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Trichloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromodichloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Dibromomethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Toluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,3-Dichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Tetrachloroethene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Dibromochloromethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dibromoethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Chlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Ethylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481298

481298-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/L	10	1	309504	03/11/23	03/11/23	HMN
o-Xylene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Styrene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromoform	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Isopropylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Propylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Bromobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
2-Chlorotoluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
4-Chlorotoluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
tert-Butylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
sec-Butylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
n-Butylbenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Hexachlorobutadiene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Naphthalene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Xylene (total)	ND		ug/L	5.0	1	309504	03/11/23	03/11/23	HMN
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN
1,2-Dichloroethane-d4	92%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN
Toluene-d8	100%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN
Bromofluorobenzene	102%		%REC	70-140	1	309504	03/11/23	03/11/23	HMN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1051769**	**Batch:**	**309622**
Matrix (Source ID):	**Soil (481298-002)**	**Method:**	**ASTM D2216**	**Prep Method:**	**METHOD**

QC1051769 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	8.675	8.786	%		1	26		1

Type:	**Sample Duplicate**	**Lab ID:**	**QC1051776**	**Batch:**	**309628**
Matrix (Source ID):	**Soil (481298-012)**	**Method:**	**ASTM D2216**	**Prep Method:**	**METHOD**

QC1051776 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	14.56	14.08	%		3	26		1

Type:	**Blank**	**Lab ID:**	**QC1051659**	**Batch:**	**309583**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1051659 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	03/13/23	03/13/23
Arsenic	ND		mg/Kg	1.0	03/13/23	03/15/23
Barium	ND		mg/Kg	1.0	03/13/23	03/13/23
Beryllium	ND		mg/Kg	0.50	03/13/23	03/13/23
Cadmium	ND		mg/Kg	0.50	03/13/23	03/13/23
Chromium	ND		mg/Kg	1.0	03/13/23	03/13/23
Cobalt	ND		mg/Kg	0.50	03/13/23	03/13/23
Copper	ND		mg/Kg	1.0	03/13/23	03/13/23
Lead	ND		mg/Kg	1.0	03/13/23	03/15/23
Molybdenum	ND		mg/Kg	1.0	03/13/23	03/15/23
Nickel	ND		mg/Kg	1.0	03/13/23	03/13/23
Selenium	ND		mg/Kg	3.0	03/13/23	03/15/23
Silver	ND		mg/Kg	0.50	03/13/23	03/13/23
Thallium	ND		mg/Kg	3.0	03/13/23	03/13/23
Vanadium	ND		mg/Kg	1.0	03/13/23	03/15/23
Zinc	12		mg/Kg	5.0	03/13/23	03/15/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1051660**	**Batch:**	**309583**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1051660 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	56.51	ND	106.5	mg/Kg	53%	*	75-125	0.99
Arsenic	99.51	0.9382	106.5	mg/Kg	93%		75-125	0.99
Barium	239.2	129.8	106.5	mg/Kg	103%		75-125	0.99
Beryllium	109.9	0.1788	106.5	mg/Kg	103%		75-125	0.99
Cadmium	101.9	0.4912	106.5	mg/Kg	95%		75-125	0.99
Chromium	113.2	10.61	106.5	mg/Kg	96%		75-125	0.99
Cobalt	112.9	7.042	106.5	mg/Kg	99%		75-125	0.99
Copper	116.5	9.722	106.5	mg/Kg	100%		75-125	0.99
Lead	111.7	4.010	106.5	mg/Kg	101%		75-125	0.99
Molybdenum	112.2	ND	106.5	mg/Kg	105%		75-125	0.99
Nickel	108.0	5.140	106.5	mg/Kg	97%		75-125	0.99
Selenium	85.20	ND	106.5	mg/Kg	80%		75-125	0.99
Silver	49.81	ND	53.23	mg/Kg	94%		75-125	0.99
Thallium	111.5	0.9973	106.5	mg/Kg	104%		75-125	0.99
Vanadium	137.4	33.48	106.5	mg/Kg	98%		75-125	0.99
Zinc	143.9	36.13	106.5	mg/Kg	101%		75-125	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051661**	**Batch:**	**309583**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1051661 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	44.50	ND	106.5	mg/Kg	42%	*	75-125	24	41	0.99
Arsenic	102.2	0.9382	106.5	mg/Kg	95%		75-125	3	35	0.99
Barium	244.5	129.8	106.5	mg/Kg	108%		75-125	2	20	0.99
Beryllium	108.2	0.1788	106.5	mg/Kg	101%		75-125	2	20	0.99
Cadmium	100.9	0.4912	106.5	mg/Kg	94%		75-125	1	20	0.99
Chromium	115.1	10.61	106.5	mg/Kg	98%		75-125	2	20	0.99
Cobalt	112.8	7.042	106.5	mg/Kg	99%		75-125	0	20	0.99
Copper	116.9	9.722	106.5	mg/Kg	101%		75-125	0	20	0.99
Lead	109.3	4.010	106.5	mg/Kg	99%		75-125	2	20	0.99
Molybdenum	114.8	ND	106.5	mg/Kg	108%		75-125	2	20	0.99
Nickel	108.7	5.140	106.5	mg/Kg	97%		75-125	1	20	0.99
Selenium	87.34	ND	106.5	mg/Kg	82%		75-125	2	20	0.99
Silver	49.57	ND	53.23	mg/Kg	93%		75-125	0	20	0.99
Thallium	110.3	0.9973	106.5	mg/Kg	103%		75-125	1	20	0.99
Vanadium	136.9	33.48	106.5	mg/Kg	97%		75-125	0	20	0.99
Zinc	147.0	36.13	106.5	mg/Kg	104%		75-125	2	20	0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051668**	**Batch:**	**309583**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1051668 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	98.91	100.0	mg/Kg	99%		80-120
Arsenic	94.56	100.0	mg/Kg	95%		80-120
Barium	102.2	100.0	mg/Kg	102%		80-120
Beryllium	106.3	100.0	mg/Kg	106%		80-120
Cadmium	99.88	100.0	mg/Kg	100%		80-120
Chromium	98.97	100.0	mg/Kg	99%		80-120
Cobalt	103.0	100.0	mg/Kg	103%		80-120
Copper	97.28	100.0	mg/Kg	97%		80-120
Lead	110.3	100.0	mg/Kg	110%		80-120
Molybdenum	111.8	100.0	mg/Kg	112%		80-120
Nickel	100.2	100.0	mg/Kg	100%		80-120
Selenium	84.62	100.0	mg/Kg	85%		80-120
Silver	47.17	50.00	mg/Kg	94%		80-120
Thallium	114.6	100.0	mg/Kg	115%		80-120
Vanadium	100.0	100.0	mg/Kg	100%		80-120
Zinc	109.8	100.0	mg/Kg	110%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1052275	**Batch:** 309813
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1052275 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Zinc	ND		mg/Kg	5.0	03/15/23	03/16/23

Type: Lab Control Sample	**Lab ID:** QC1052276	**Batch:** 309813
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1052276 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Zinc	101.2	100.0	mg/Kg	101%		80-120

Type: Matrix Spike	**Lab ID:** QC1052277	**Batch:** 309813
Matrix (Source ID): Soil (481298-001)	**Method:** EPA 6010B	**Prep Method:** EPA 3050B
		Basis: Dry

QC1052277 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Zinc	123.5	29.74	102.4	mg/Kg	92%		75-125	0.95

Type: Matrix Spike Duplicate	**Lab ID:** QC1052278	**Batch:** 309813
Matrix (Source ID): Soil (481298-001)	**Method:** EPA 6010B	**Prep Method:** EPA 3050B
		Basis: Dry

QC1052278 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Zinc	125.4	29.74	103.4	mg/Kg	93%		75-125	1	20	0.96

Type: Blank	**Lab ID:** QC1051698	**Batch:** 309593
Matrix: Soil	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1051698 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	03/13/23	03/14/23

Type: Lab Control Sample	**Lab ID:** QC1051699	**Batch:** 309593
Matrix: Soil	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1051699 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7549	0.8333	mg/Kg	91%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1051700**	**Batch:**	**309593**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1051700 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8109	0.01484	0.9270	mg/Kg	86%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051701**	**Batch:**	**309593**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1051701 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8462	0.01484	0.9270	mg/Kg	90%		75-125	4	20	1

Type:	**Blank**	**Lab ID:**	**QC1051499**	**Batch:**	**309533**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1051499 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C13-C28)	ND		mg/L	0.10	03/13/23	03/13/23
TPH (C29-C44)	ND		mg/L	0.30	03/13/23	03/13/23
Surrogates				**Limits**		
n-Triacontane	55%		%REC	35-130	03/13/23	03/13/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051500**	**Batch:**	**309533**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1051500 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.4811	1.000	mg/L	48%		42-120
Surrogates						
n-Triacontane	0.01061	0.02000	mg/L	53%		35-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1051501**	**Batch:**	**309533**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1051501 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.5020	1.000	mg/L	50%		42-120	4	36
Surrogates								
n-Triacontane	0.01115	0.02000	mg/L	56%		35-130		

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Batch QC

Type: Blank	Lab ID: QC1051560	Batch: 309550
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1051560 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	03/13/23	03/13/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	95%		%REC	60-140	03/13/23	03/13/23

Type: Lab Control Sample	Lab ID: QC1051561	Batch: 309550
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1051561 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	516.5	500.0	ug/L	103%		70-130
Surrogates						
Bromofluorobenzene (FID)	198.9	200.0	ug/L	99%		60-140

Type: Matrix Spike	Lab ID: QC1051562	Batch: 309550
Matrix (Source ID): Water (481301-002)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1051562 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	513.9	ND	500.0	ug/L	103%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	193.6		200.0	ug/L	97%		60-140	1

Type: Matrix Spike Duplicate	Lab ID: QC1051563	Batch: 309550
Matrix (Source ID): Water (481301-002)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1051563 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	541.2	ND	500.0	ug/L	108%		70-130	5	30	1
Surrogates										
Bromofluorobenzene (FID)	188.0		200.0	ug/L	94%		60-140			1

Type: Lab Control Sample	Lab ID: QC1051350	Batch: 309495
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051350 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	4.885	5.000	mg/Kg	98%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2258	0.2000	mg/Kg	113%		60-140

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1051351	Batch: 309495
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051351 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	4.948	5.000	mg/Kg	99%		70-130	1	20
Surrogates								
Bromofluorobenzene (FID)	0.2220	0.2000	mg/Kg	111%		60-140		

Type: Blank	Lab ID: QC1051352	Batch: 309495
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051352 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	03/13/23	03/13/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	86%		%REC	60-140	03/13/23	03/13/23

Type: Blank	Lab ID: QC1051353	Batch: 309495
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1051353 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	03/13/23	03/13/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	71%		%REC	60-140	03/13/23	03/13/23

Type: Blank	Lab ID: QC1051631	Batch: 309574
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1051631 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	10	03/13/23	03/14/23
ORO C28-C44	ND		mg/Kg	20	03/13/23	03/14/23
Surrogates				**Limits**		
n-Triacontane	102%		%REC	70-130	03/13/23	03/14/23

Type: Lab Control Sample	Lab ID: QC1051632	Batch: 309574
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1051632 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	215.7	248.1	mg/Kg	87%		76-122
Surrogates						
n-Triacontane	10.01	9.926	mg/Kg	101%		70-130

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1051782**	**Batch:**	**309574**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**
				Basis:	**Dry**

QC1051782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	238.7	ND	268.0	mg/Kg	89%		62-126	1
Surrogates								
n-Triacontane	10.41		10.72	mg/Kg	97%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051783**	**Batch:**	**309574**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**
				Basis:	**Dry**

QC1051783 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	235.8	ND	268.0	mg/Kg	88%		62-126	1	35	1
Surrogates										
n-Triacontane	10.10		10.72	mg/Kg	94%		70-130			1

Type:	**Blank**	**Lab ID:**	**QC1051747**	**Batch:**	**309569**
Matrix:	**Water**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3510C**

QC1051747 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1221	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1232	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1242	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1248	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1254	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1260	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1262	ND		ug/L	0.50	03/13/23	03/13/23
Aroclor-1268	ND		ug/L	0.50	03/13/23	03/13/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	65%		%REC	18-126	03/13/23	03/13/23

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Batch QC

Type: Lab Control Sample	Lab ID: QC1051748	Batch: 309569
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1051748 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	3.770	5.000	ug/L	75%		36-143
Aroclor-1260	3.970	5.000	ug/L	79%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.3604	0.5000	ug/L	72%		18-126

Type: Lab Control Sample Duplicate	Lab ID: QC1051749	Batch: 309569
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1051749 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	3.811	5.000	ug/L	76%		36-143	1	39
Aroclor-1260	3.910	5.000	ug/L	78%		31-153	2	20
Surrogates								
Decachlorobiphenyl (PCB)	0.3670	0.5000	ug/L	73%		18-126		

Type: Blank	Lab ID: QC1051674	Batch: 309587
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1051674 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1221	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1232	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1242	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1248	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1254	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1260	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1262	ND		ug/Kg	49	03/13/23	03/14/23
Aroclor-1268	ND		ug/Kg	49	03/13/23	03/14/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	102%		%REC	19-121	03/13/23	03/14/23

Type: Lab Control Sample	Lab ID: QC1051675	Batch: 309587
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1051675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	453.5	494.1	ug/Kg	92%		14-150
Aroclor-1260	484.6	494.1	ug/Kg	98%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	46.27	49.41	ug/Kg	94%		19-121

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1051780**	**Batch:**	**309587**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1051780 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	491.8	ND	533.4	ug/Kg	92%		42-127	0.99
Aroclor-1260	530.2	ND	533.4	ug/Kg	99%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	49.06		53.34	ug/Kg	92%		19-121	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1051781**	**Batch:**	**309587**
Matrix (Source ID):	**Soil (481298-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1051781 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	480.0	ND	533.4	ug/Kg	90%		42-127	2	30	0.99
Aroclor-1260	546.1	ND	533.4	ug/Kg	102%		38-130	3	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	48.64		53.34	ug/Kg	91%		19-121			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1051395**	**Batch:**	**309504**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1051395 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.93	50.00	ug/L	104%		70-135
MTBE	52.18	50.00	ug/L	104%		70-130
Benzene	49.66	50.00	ug/L	99%		70-130
Trichloroethene	53.25	50.00	ug/L	106%		70-130
Toluene	47.92	50.00	ug/L	96%		70-130
Chlorobenzene	48.11	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	52.78	50.00	ug/L	106%		70-140
1,2-Dichloroethane-d4	46.46	50.00	ug/L	93%		70-140
Toluene-d8	49.36	50.00	ug/L	99%		70-140
Bromofluorobenzene	51.55	50.00	ug/L	103%		70-140

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1051396**	**Batch:**	**309504**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1051396 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.64	50.00	ug/L	107%		70-135	3	30
MTBE	55.43	50.00	ug/L	111%		70-130	6	30
Benzene	51.71	50.00	ug/L	103%		70-130	4	30
Trichloroethene	53.28	50.00	ug/L	107%		70-130	0	30
Toluene	48.39	50.00	ug/L	97%		70-130	1	30
Chlorobenzene	49.19	50.00	ug/L	98%		70-130	2	30
Surrogates								
Dibromofluoromethane	53.58	50.00	ug/L	107%		70-140		
1,2-Dichloroethane-d4	47.56	50.00	ug/L	95%		70-140		
Toluene-d8	48.56	50.00	ug/L	97%		70-140		
Bromofluorobenzene	51.14	50.00	ug/L	102%		70-140		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1051399**	**Batch:**	**309504**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1051399 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	03/11/23	03/11/23
Freon 12	ND		ug/L	5.0	03/11/23	03/11/23
Chloromethane	ND		ug/L	5.0	03/11/23	03/11/23
Vinyl Chloride	ND		ug/L	5.0	03/11/23	03/11/23
Bromomethane	ND		ug/L	5.0	03/11/23	03/11/23
Chloroethane	ND		ug/L	5.0	03/11/23	03/11/23
Trichlorofluoromethane	ND		ug/L	5.0	03/11/23	03/11/23
Acetone	ND		ug/L	100	03/11/23	03/11/23
Freon 113	ND		ug/L	5.0	03/11/23	03/11/23
1,1-Dichloroethene	ND		ug/L	5.0	03/11/23	03/11/23
Methylene Chloride	ND		ug/L	5.0	03/11/23	03/11/23
MTBE	ND		ug/L	5.0	03/11/23	03/11/23
trans-1,2-Dichloroethene	ND		ug/L	5.0	03/11/23	03/11/23
1,1-Dichloroethane	ND		ug/L	5.0	03/11/23	03/11/23
2-Butanone	ND		ug/L	100	03/11/23	03/11/23
cis-1,2-Dichloroethene	ND		ug/L	5.0	03/11/23	03/11/23
2,2-Dichloropropane	ND		ug/L	5.0	03/11/23	03/11/23
Chloroform	ND		ug/L	5.0	03/11/23	03/11/23
Bromochloromethane	ND		ug/L	5.0	03/11/23	03/11/23
1,1,1-Trichloroethane	ND		ug/L	5.0	03/11/23	03/11/23
1,1-Dichloropropene	ND		ug/L	5.0	03/11/23	03/11/23
Carbon Tetrachloride	ND		ug/L	5.0	03/11/23	03/11/23
1,2-Dichloroethane	ND		ug/L	5.0	03/11/23	03/11/23
Benzene	ND		ug/L	5.0	03/11/23	03/11/23
Trichloroethene	ND		ug/L	5.0	03/11/23	03/11/23
1,2-Dichloropropane	ND		ug/L	5.0	03/11/23	03/11/23
Bromodichloromethane	ND		ug/L	5.0	03/11/23	03/11/23
Dibromomethane	ND		ug/L	5.0	03/11/23	03/11/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	03/11/23	03/11/23
cis-1,3-Dichloropropene	ND		ug/L	5.0	03/11/23	03/11/23
Toluene	ND		ug/L	5.0	03/11/23	03/11/23
trans-1,3-Dichloropropene	ND		ug/L	5.0	03/11/23	03/11/23
1,1,2-Trichloroethane	ND		ug/L	5.0	03/11/23	03/11/23
1,3-Dichloropropane	ND		ug/L	5.0	03/11/23	03/11/23
Tetrachloroethene	ND		ug/L	5.0	03/11/23	03/11/23
Dibromochloromethane	ND		ug/L	5.0	03/11/23	03/11/23
1,2-Dibromoethane	ND		ug/L	5.0	03/11/23	03/11/23
Chlorobenzene	ND		ug/L	5.0	03/11/23	03/11/23
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	03/11/23	03/11/23
Ethylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
m,p-Xylenes	ND		ug/L	10	03/11/23	03/11/23
o-Xylene	ND		ug/L	5.0	03/11/23	03/11/23

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Batch QC

QC1051399 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Styrene	ND		ug/L	5.0	03/11/23	03/11/23
Bromoform	ND		ug/L	5.0	03/11/23	03/11/23
Isopropylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	03/11/23	03/11/23
1,2,3-Trichloropropane	ND		ug/L	5.0	03/11/23	03/11/23
Propylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
Bromobenzene	ND		ug/L	5.0	03/11/23	03/11/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
2-Chlorotoluene	ND		ug/L	5.0	03/11/23	03/11/23
4-Chlorotoluene	ND		ug/L	5.0	03/11/23	03/11/23
tert-Butylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
sec-Butylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
para-Isopropyl Toluene	ND		ug/L	5.0	03/11/23	03/11/23
1,3-Dichlorobenzene	ND		ug/L	5.0	03/11/23	03/11/23
1,4-Dichlorobenzene	ND		ug/L	5.0	03/11/23	03/11/23
n-Butylbenzene	ND		ug/L	5.0	03/11/23	03/11/23
1,2-Dichlorobenzene	ND		ug/L	5.0	03/11/23	03/11/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	03/11/23	03/11/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0	03/11/23	03/11/23
Hexachlorobutadiene	ND		ug/L	5.0	03/11/23	03/11/23
Naphthalene	ND		ug/L	5.0	03/11/23	03/11/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0	03/11/23	03/11/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	03/11/23	03/11/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	03/11/23	03/11/23
Xylene (total)	ND		ug/L	5.0	03/11/23	03/11/23
Surrogates				**Limits**		
Dibromofluoromethane	103%		%REC	70-140	03/11/23	03/11/23
1,2-Dichloroethane-d4	93%		%REC	70-140	03/11/23	03/11/23
Toluene-d8	98%		%REC	70-140	03/11/23	03/11/23
Bromofluorobenzene	102%		%REC	70-140	03/11/23	03/11/23

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Batch QC

Type: Lab Control Sample	Lab ID: QC1051359	Batch: 309496
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1051359 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.40	50.00	ug/Kg	105%		70-131
MTBE	53.00	50.00	ug/Kg	106%		69-130
Benzene	46.15	50.00	ug/Kg	92%		70-130
Trichloroethene	60.06	50.00	ug/Kg	120%		70-130
Toluene	57.07	50.00	ug/Kg	114%		70-130
Chlorobenzene	51.76	50.00	ug/Kg	104%		70-130
Surrogates						
Dibromofluoromethane	51.56	50.00	ug/Kg	103%		70-130
1,2-Dichloroethane-d4	53.02	50.00	ug/Kg	106%		70-145
Toluene-d8	56.27	50.00	ug/Kg	113%		70-145
Bromofluorobenzene	48.82	50.00	ug/Kg	98%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1051360	Batch: 309496
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1051360 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	52.71	50.00	ug/Kg	105%		70-131	1	33
MTBE	55.08	50.00	ug/Kg	110%		69-130	4	30
Benzene	48.77	50.00	ug/Kg	98%		70-130	6	30
Trichloroethene	53.76	50.00	ug/Kg	108%		70-130	11	30
Toluene	51.84	50.00	ug/Kg	104%		70-130	10	30
Chlorobenzene	49.80	50.00	ug/Kg	100%		70-130	4	30
Surrogates								
Dibromofluoromethane	51.62	50.00	ug/Kg	103%		70-130		
1,2-Dichloroethane-d4	51.99	50.00	ug/Kg	104%		70-145		
Toluene-d8	49.75	50.00	ug/Kg	100%		70-145		
Bromofluorobenzene	47.75	50.00	ug/Kg	96%		70-145		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1051363**	**Batch:**	**309496**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1051363 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	15	03/11/23	03/11/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/11/23	03/11/23
Freon 12	ND		ug/Kg	5.0	03/11/23	03/11/23
Chloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Vinyl Chloride	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromomethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Chloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Trichlorofluoromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Acetone	ND		ug/Kg	100	03/11/23	03/11/23
Freon 113	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1-Dichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
Methylene Chloride	ND		ug/Kg	5.0	03/11/23	03/11/23
MTBE	ND		ug/Kg	5.0	03/11/23	03/11/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1-Dichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
2-Butanone	ND		ug/Kg	100	03/11/23	03/11/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
2,2-Dichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Chloroform	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromochloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1-Dichloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
Carbon Tetrachloride	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Benzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Trichloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromodichloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Dibromomethane	ND		ug/Kg	5.0	03/11/23	03/11/23
4-Methyl-2-Pentanone	ND		ug/Kg	8.1	03/11/23	03/11/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
Toluene	ND		ug/Kg	5.0	03/11/23	03/11/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,3-Dichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Tetrachloroethene	ND		ug/Kg	5.0	03/11/23	03/11/23
Dibromochloromethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dibromoethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Chlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
Ethylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23

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Batch QC

QC1051363 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	03/11/23	03/11/23
o-Xylene	ND		ug/Kg	5.0	03/11/23	03/11/23
Styrene	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromoform	ND		ug/Kg	5.0	03/11/23	03/11/23
Isopropylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
Propylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Bromobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
2-Chlorotoluene	ND		ug/Kg	5.0	03/11/23	03/11/23
4-Chlorotoluene	ND		ug/Kg	5.0	03/11/23	03/11/23
tert-Butylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
sec-Butylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
n-Butylbenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Hexachlorobutadiene	ND		ug/Kg	5.0	03/11/23	03/11/23
Naphthalene	ND		ug/Kg	5.0	03/11/23	03/11/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	03/11/23	03/11/23
Xylene (total)	ND		ug/Kg	5.0	03/11/23	03/11/23
Surrogates				**Limits**		
Dibromofluoromethane	104%		%REC	70-130	03/11/23	03/11/23
1,2-Dichloroethane-d4	110%		%REC	70-145	03/11/23	03/11/23
Toluene-d8	117%		%REC	70-145	03/11/23	03/11/23
Bromofluorobenzene	109%		%REC	70-145	03/11/23	03/11/23

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

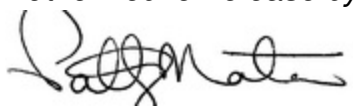
Lab Job Number:	481528
Report Level:	II
Report Date:	03/17/2023

Analytical Report *prepared for:*

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Location: Calpine Menifee, 0027.008.005

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Alice Price Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612		Lab Job #: Location: Date Received:	481528 Calpine Menifee, 0027.008.005 03/14/23

Sample ID	Lab ID	Collected	Matrix
SB-71-4	481528-001	03/14/23 12:35	Soil
SB-71-6	481528-002	03/14/23 12:45	Soil
SB-72-4	481528-003	03/14/23 12:55	Soil
SB-72-6	481528-004	03/14/23 13:05	Soil

Case Narrative

Terraphase Engineering	Lab Job Number: 481528
18401 Von Karman Ave, Suite #410	Location: Calpine Menifee, 0027.008.005
Irvine, CA 92612	Date Received: 03/14/23
Alice Price	

This data package contains sample and QC results for four soil samples, requested for the above referenced project on 03/14/23. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- High response was observed for thallium in the ICV analyzed 03/16/23 11:55; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/16/23 15:04; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/16/23 15:47; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/16/23 17:43; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- High response was observed for thallium in the CCV analyzed 03/16/23 18:32; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- Low recoveries were observed for barium and selenium in the MS/MSD for batch 309744; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits. High recovery was observed for nickel in the MSD for batch 309744; the LCS was within limits. High RPD was also observed for nickel in the MS/MSD for batch 309744.
- No other analytical problems were encountered.

Moisture (ASTM D2216):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481528
Location: Calpine Menifee, 0027.008.005
Date Received: 03/14/23

Sample ID: SB-71-4 **Lab ID: 481528-001** **Collected: 03/14/23 12:35**
Matrix: Soil **Basis: Dry**

481528-001 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**14**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**7.8**		mg/Kg	1.1
Barium	**140**		mg/Kg	1.1
Chromium	**22**		mg/Kg	1.1
Cobalt	**6.9**		mg/Kg	0.56
Copper	**30**		mg/Kg	1.1
Lead	**12**		mg/Kg	1.1
Molybdenum	**4.9**		mg/Kg	1.1
Nickel	**12**		mg/Kg	1.1
Vanadium	**39**		mg/Kg	1.1
Zinc	**130**		mg/Kg	5.6

Sample ID: SB-71-6 **Lab ID: 481528-002** **Collected: 03/14/23 12:45**
Matrix: Soil

481528-002 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**13**		%	1	

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-72-4	Lab ID: 481528-003	Collected: 03/14/23 12:55
	Matrix: Soil	Basis: Dry

481528-003 Analyte	Result	Qual	Units	RL
Method: ASTM D2216 Prep Method: METHOD				
Moisture, Percent	**14**		%	1
Method: EPA 6010B Prep Method: EPA 3050B				
Arsenic	**5.1**		mg/Kg	1.1
Barium	**190**		mg/Kg	1.1
Chromium	**26**		mg/Kg	1.1
Cobalt	**9.3**		mg/Kg	0.57
Copper	**33**		mg/Kg	1.1
Lead	**11**		mg/Kg	1.1
Molybdenum	**3.0**		mg/Kg	1.1
Nickel	**14**		mg/Kg	1.1
Vanadium	**51**		mg/Kg	1.1
Zinc	**140**		mg/Kg	5.7

Sample ID: SB-72-6	Lab ID: 481528-004	Collected: 03/14/23 13:05
	Matrix: Soil	

481528-004 Analyte	Result	Qual	Units	RL	Basis
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	**14**		%	1	

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

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Chain of Custody Record

Lab No: 481528

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	✓	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Quote #:	
Report To:	Alice Hale Price	Proj. Name:	Calpine Menifee
Email:	alice.hale-price@terraphase.com	Proj. #:	0027.008.005
Address:	18401 Von Karman #410	P.O. #:	
	Irvine, CA	Address:	26226 Antelope Rd
Phone:	510-390-1276	Global ID:	
Fax:		Sampled By:	MARINA M.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH gas-mo	PCBs	VOCs	Total metals	Moisture content
1	SB-71-4	03/14/23	12:35	S	1 8oz Sjar	ICE	X	X	X	X	X
2	SB-71-6	03/14/23	12:45	S	1 8oz Sjar	ICE	O	O	O	O	X
3	SB-72-4	03/14/23	12:55	S	1 8oz Sjar	ICE	X	X	X	X	X
4	SB-72-6	03/14/23	13:05	S	1 8oz Sjar	ICE	O	O	● MM	● MM	X
5											
6											
7											
8											
9											
10											

Analysis Request

Test Instructions / Comments

1, 2, 3, 5

O = extract + Hold

← VOCs + PCB extract + Hold MM

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Martha Marquez	Staff Geo II, TCI	03/14/23 14:14
1 Received By:		Alex Cota	EAS	03/14/23 14:16
2 Relinquished By:		Alex Cota	EAOC	03/14/23 16:25
2 Received By:		Anneliesse Sorensen	TAT	3/14/23 1625
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase

Project: Calpine Metcalfe

Date Received: 3/14/23

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	X		
Are sample IDs present?	X		
Are sampling dates & times present?	X		
Is a relinquished signature present?	X		
Are the tests required clearly indicated on the COC?	X		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were the samples collected in the correct containers for the required tests?	X		
Are the containers labeled with the correct preservatives?			X
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			X
Was a sufficient amount of sample submitted for the requested tests?	X		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/14/23

ENTHALPY ANALYTICAL

Analysis Results for 481528

Alice Price
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 481528
Location: Calpine Menifee, 0027.008.005
Date Received: 03/14/23

Sample ID: SB-71-4 | **Lab ID: 481528-001** | **Collected: 03/14/23 12:35**
Matrix: Soil | **Basis: Dry**

481528-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**14**		%	1	1	309810	03/15/23	03/16/23	GKD
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.4	0.96	309744	03/15/23	03/16/23	SBW
Arsenic	**7.8**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Barium	**140**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Beryllium	ND		mg/Kg	0.56	0.96	309744	03/15/23	03/16/23	SBW
Cadmium	ND		mg/Kg	0.56	0.96	309744	03/15/23	03/16/23	SBW
Chromium	**22**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Cobalt	**6.9**		mg/Kg	0.56	0.96	309744	03/15/23	03/16/23	SBW
Copper	**30**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Lead	**12**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Molybdenum	**4.9**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Nickel	**12**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Selenium	ND		mg/Kg	3.4	0.96	309744	03/15/23	03/16/23	SBW
Silver	ND		mg/Kg	0.56	0.96	309744	03/15/23	03/16/23	SBW
Thallium	ND		mg/Kg	3.4	0.96	309744	03/15/23	03/16/23	SBW
Vanadium	**39**		mg/Kg	1.1	0.96	309744	03/15/23	03/16/23	SBW
Zinc	**130**		mg/Kg	5.6	0.96	309744	03/15/23	03/16/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.1	309750	03/15/23	03/15/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.3	0.95	309745	03/15/23	03/15/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	86%		%REC	60-140	0.95	309745	03/15/23	03/15/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	12	1	309692	03/15/23	03/15/23	SME
DRO C10-C28	ND		mg/Kg	12	1	309692	03/15/23	03/15/23	SME
ORO C28-C44	ND		mg/Kg	23	1	309692	03/15/23	03/15/23	SME
Surrogates				**Limits**					
n-Triacontane	109%		%REC	70-130	1	309692	03/15/23	03/15/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481528

481528-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1221	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1232	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1242	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1248	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1254	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1260	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1262	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Aroclor-1268	ND		ug/Kg	57	0.98	309794	03/15/23	03/15/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	86%		%REC	19-121	0.98	309794	03/15/23	03/15/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	18	1.1	309736	03/15/23	03/15/23	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Freon 12	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Chloromethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Vinyl Chloride	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Bromomethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Chloroethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Trichlorofluoromethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Acetone	ND		ug/Kg	120	1.1	309736	03/15/23	03/15/23	ILK
Freon 113	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Methylene Chloride	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
MTBE	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
2-Butanone	ND		ug/Kg	120	1.1	309736	03/15/23	03/15/23	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
2,2-Dichloropropane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Chloroform	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Bromochloromethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,1,1-Trichloroethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,1-Dichloropropene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Carbon Tetrachloride	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Benzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Trichloroethene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2-Dichloropropane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Bromodichloromethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Dibromomethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	10	1.1	309736	03/15/23	03/15/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481528

481528-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,3-Dichloropropene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Toluene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,1,2-Trichloroethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,3-Dichloropropane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Tetrachloroethene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Dibromochloromethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2-Dibromoethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Chlorobenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Ethylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
m,p-Xylenes	ND		ug/Kg	12	1.1	309736	03/15/23	03/15/23	ILK
o-Xylene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Styrene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Bromoform	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Isopropylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2,3-Trichloropropane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Propylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Bromobenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
2-Chlorotoluene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
4-Chlorotoluene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
tert-Butylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
sec-Butylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
para-Isopropyl Toluene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,3-Dichlorobenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,4-Dichlorobenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
n-Butylbenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2-Dichlorobenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Hexachlorobutadiene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Naphthalene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Xylene (total)	ND		ug/Kg	6.2	1.1	309736	03/15/23	03/15/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-145	1.1	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane-d4	115%		%REC	70-145	1.1	309736	03/15/23	03/15/23	ILK
Toluene-d8	122%		%REC	70-145	1.1	309736	03/15/23	03/15/23	ILK
Bromofluorobenzene	111%		%REC	70-145	1.1	309736	03/15/23	03/15/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481528

Sample ID: SB-71-6	Lab ID: 481528-002	Collected: 03/14/23 12:45
	Matrix: Soil	Basis: Dry

481528-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**13**		%	1	1	309810	03/15/23	03/16/23	GKD
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.6	1	309745	03/15/23	03/15/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	85%		%REC	60-140	1	309745	03/15/23	03/15/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	15	0.89	309736	03/15/23	03/15/23	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Freon 12	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Chloromethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Vinyl Chloride	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Bromomethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Chloroethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Trichlorofluoromethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Acetone	ND		ug/Kg	100	0.89	309736	03/15/23	03/15/23	ILK
Freon 113	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Methylene Chloride	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
MTBE	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
2-Butanone	ND		ug/Kg	100	0.89	309736	03/15/23	03/15/23	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
2,2-Dichloropropane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Chloroform	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Bromochloromethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,1,1-Trichloroethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,1-Dichloropropene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Carbon Tetrachloride	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Benzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Trichloroethene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2-Dichloropropane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Bromodichloromethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Dibromomethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	8.4	0.89	309736	03/15/23	03/15/23	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481528

481528-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Toluene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,1,2-Trichloroethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,3-Dichloropropane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Tetrachloroethene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Dibromochloromethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2-Dibromoethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Chlorobenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Ethylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
m,p-Xylenes	ND		ug/Kg	10	0.89	309736	03/15/23	03/15/23	ILK
o-Xylene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Styrene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Bromoform	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Isopropylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2,3-Trichloropropane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Propylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Bromobenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
2-Chlorotoluene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
4-Chlorotoluene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
tert-Butylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
sec-Butylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
para-Isopropyl Toluene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,3-Dichlorobenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,4-Dichlorobenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
n-Butylbenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2-Dichlorobenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Hexachlorobutadiene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Naphthalene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Xylene (total)	ND		ug/Kg	5.1	0.89	309736	03/15/23	03/15/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-145	0.89	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane-d4	113%		%REC	70-145	0.89	309736	03/15/23	03/15/23	ILK
Toluene-d8	123%		%REC	70-145	0.89	309736	03/15/23	03/15/23	ILK
Bromofluorobenzene	107%		%REC	70-145	0.89	309736	03/15/23	03/15/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481528

Sample ID: SB-72-4	Lab ID: 481528-003	Collected: 03/14/23 12:55
	Matrix: Soil	Basis: Dry

481528-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**14**		%	1	1	309810	03/15/23	03/16/23	GKD
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.4	0.98	309744	03/15/23	03/16/23	SBW
Arsenic	**5.1**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Barium	**190**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Beryllium	ND		mg/Kg	0.57	0.98	309744	03/15/23	03/16/23	SBW
Cadmium	ND		mg/Kg	0.57	0.98	309744	03/15/23	03/16/23	SBW
Chromium	**26**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Cobalt	**9.3**		mg/Kg	0.57	0.98	309744	03/15/23	03/16/23	SBW
Copper	**33**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Lead	**11**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Molybdenum	**3.0**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Nickel	**14**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Selenium	ND		mg/Kg	3.4	0.98	309744	03/15/23	03/16/23	SBW
Silver	ND		mg/Kg	0.57	0.98	309744	03/15/23	03/16/23	SBW
Thallium	ND		mg/Kg	3.4	0.98	309744	03/15/23	03/16/23	SBW
Vanadium	**51**		mg/Kg	1.1	0.98	309744	03/15/23	03/16/23	SBW
Zinc	**140**		mg/Kg	5.7	0.98	309744	03/15/23	03/16/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1	309750	03/15/23	03/15/23	KAM
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.3	0.94	309745	03/15/23	03/15/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	87%		%REC	60-140	0.94	309745	03/15/23	03/15/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	12	1	309692	03/15/23	03/15/23	SME
DRO C10-C28	ND		mg/Kg	12	1	309692	03/15/23	03/15/23	SME
ORO C28-C44	ND		mg/Kg	23	1	309692	03/15/23	03/15/23	SME
Surrogates				**Limits**					
n-Triacontane	111%		%REC	70-130	1	309692	03/15/23	03/15/23	SME
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Aroclor-1221	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Aroclor-1232	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Aroclor-1242	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481528

481528-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1248	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Aroclor-1254	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Aroclor-1260	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Aroclor-1262	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Aroclor-1268	ND		ug/Kg	58	1	309794	03/15/23	03/16/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	71%		%REC	19-121	1	309794	03/15/23	03/16/23	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	20	1.2	309736	03/15/23	03/15/23	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Freon 12	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Chloromethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Vinyl Chloride	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Bromomethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Chloroethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Trichlorofluoromethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Acetone	ND		ug/Kg	140	1.2	309736	03/15/23	03/15/23	ILK
Freon 113	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Methylene Chloride	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
MTBE	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
2-Butanone	ND		ug/Kg	140	1.2	309736	03/15/23	03/15/23	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
2,2-Dichloropropane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Chloroform	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Bromochloromethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,1,1-Trichloroethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,1-Dichloropropene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Carbon Tetrachloride	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Benzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Trichloroethene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2-Dichloropropane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Bromodichloromethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Dibromomethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	11	1.2	309736	03/15/23	03/15/23	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Toluene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,1,2-Trichloroethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,3-Dichloropropane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Tetrachloroethene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481528

481528-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Dibromochloromethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2-Dibromoethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Chlorobenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Ethylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
m,p-Xylenes	ND		ug/Kg	14	1.2	309736	03/15/23	03/15/23	ILK
o-Xylene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Styrene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Bromoform	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Isopropylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2,3-Trichloropropane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Propylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Bromobenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
2-Chlorotoluene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
4-Chlorotoluene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
tert-Butylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
sec-Butylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
para-Isopropyl Toluene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,3-Dichlorobenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,4-Dichlorobenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
n-Butylbenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2-Dichlorobenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Hexachlorobutadiene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Naphthalene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Xylene (total)	ND		ug/Kg	6.9	1.2	309736	03/15/23	03/15/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-145	1.2	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane-d4	111%		%REC	70-145	1.2	309736	03/15/23	03/15/23	ILK
Toluene-d8	111%		%REC	70-145	1.2	309736	03/15/23	03/15/23	ILK
Bromofluorobenzene	105%		%REC	70-145	1.2	309736	03/15/23	03/15/23	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 481528

Sample ID: SB-72-6	Lab ID: 481528-004	Collected: 03/14/23 13:05
	Matrix: Soil	Basis: Dry

481528-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD									
Moisture, Percent	**14**		%	1	1	309810	03/15/23	03/16/23	GKD
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	3.0	0.85	309745	03/15/23	03/15/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	80%		%REC	60-140	0.85	309745	03/15/23	03/15/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	17	1	309736	03/15/23	03/15/23	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Freon 12	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Chloromethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Vinyl Chloride	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Bromomethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Chloroethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Trichlorofluoromethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Acetone	ND		ug/Kg	120	1	309736	03/15/23	03/15/23	ILK
Freon 113	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Methylene Chloride	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
MTBE	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,1-Dichloroethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
2-Butanone	ND		ug/Kg	120	1	309736	03/15/23	03/15/23	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
2,2-Dichloropropane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Chloroform	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Bromochloromethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,1,1-Trichloroethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,1-Dichloropropene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Carbon Tetrachloride	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Benzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Trichloroethene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2-Dichloropropane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Bromodichloromethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Dibromomethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	9.7	1	309736	03/15/23	03/15/23	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 481528

481528-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Toluene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,1,2-Trichloroethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,3-Dichloropropane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Tetrachloroethene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Dibromochloromethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2-Dibromoethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Chlorobenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Ethylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
m,p-Xylenes	ND		ug/Kg	12	1	309736	03/15/23	03/15/23	ILK
o-Xylene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Styrene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Bromoform	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Isopropylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2,3-Trichloropropane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Propylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Bromobenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
2-Chlorotoluene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
4-Chlorotoluene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
tert-Butylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
sec-Butylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
para-Isopropyl Toluene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,3-Dichlorobenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,4-Dichlorobenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
n-Butylbenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2-Dichlorobenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Hexachlorobutadiene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Naphthalene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Xylene (total)	ND		ug/Kg	6.0	1	309736	03/15/23	03/15/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	104%		%REC	70-145	1	309736	03/15/23	03/15/23	ILK
1,2-Dichloroethane-d4	111%		%REC	70-145	1	309736	03/15/23	03/15/23	ILK
Toluene-d8	112%		%REC	70-145	1	309736	03/15/23	03/15/23	ILK
Bromofluorobenzene	110%		%REC	70-145	1	309736	03/15/23	03/15/23	ILK

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1052251**	**Batch:**	**309810**
Matrix (Source ID):	**Soil (481528-004)**	**Method:**	**ASTM D2216**	**Prep Method:**	**METHOD**

QC1052251 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	14.10	13.66	%		3	26		1

Type:	**Blank**	**Lab ID:**	**QC1052118**
Matrix:	**Soil**	**Method:**	**EPA 6010B**

Batch:	**309744**
Prep Method:	**EPA 3050B**

QC1052118 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	03/15/23	03/16/23
Arsenic	ND		mg/Kg	1.0	03/15/23	03/16/23
Barium	ND		mg/Kg	1.0	03/15/23	03/16/23
Beryllium	ND		mg/Kg	0.50	03/15/23	03/16/23
Cadmium	ND		mg/Kg	0.50	03/15/23	03/16/23
Chromium	ND		mg/Kg	1.0	03/15/23	03/16/23
Cobalt	ND		mg/Kg	0.50	03/15/23	03/16/23
Copper	ND		mg/Kg	1.0	03/15/23	03/16/23
Lead	ND		mg/Kg	1.0	03/15/23	03/16/23
Molybdenum	ND		mg/Kg	1.0	03/15/23	03/16/23
Nickel	ND		mg/Kg	1.0	03/15/23	03/16/23
Selenium	ND		mg/Kg	3.0	03/15/23	03/16/23
Silver	ND		mg/Kg	0.50	03/15/23	03/16/23
Thallium	ND		mg/Kg	3.0	03/15/23	03/16/23
Vanadium	ND		mg/Kg	1.0	03/15/23	03/16/23
Zinc	ND		mg/Kg	5.0	03/15/23	03/16/23

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Batch QC

Type: Lab Control Sample	Lab ID: QC1052119	Batch: 309744
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1052119 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	102.4	100.0	mg/Kg	102%		80-120
Arsenic	102.2	100.0	mg/Kg	102%		80-120
Barium	114.6	100.0	mg/Kg	115%		80-120
Beryllium	104.8	100.0	mg/Kg	105%		80-120
Cadmium	103.0	100.0	mg/Kg	103%		80-120
Chromium	112.9	100.0	mg/Kg	113%		80-120
Cobalt	116.3	100.0	mg/Kg	116%		80-120
Copper	102.7	100.0	mg/Kg	103%		80-120
Lead	114.4	100.0	mg/Kg	114%		80-120
Molybdenum	106.6	100.0	mg/Kg	107%		80-120
Nickel	113.7	100.0	mg/Kg	114%		80-120
Selenium	87.22	100.0	mg/Kg	87%		80-120
Silver	47.74	50.00	mg/Kg	95%		80-120
Thallium	115.9	100.0	mg/Kg	116%	b	80-120
Vanadium	101.9	100.0	mg/Kg	102%		80-120
Zinc	108.9	100.0	mg/Kg	109%		80-120

Type: Matrix Spike	Lab ID: QC1052120	Batch: 309744
Matrix (Source ID): Soil (481343-054)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1052120 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	104.6	18.76	97.09	mg/Kg	88%		75-125	0.97
Arsenic	109.0	11.49	97.09	mg/Kg	100%		75-125	0.97
Barium	263.6	186.8	97.09	mg/Kg	79%		75-125	0.97
Beryllium	90.64	0.3376	97.09	mg/Kg	93%		75-125	0.97
Cadmium	96.72	3.095	97.09	mg/Kg	96%		75-125	0.97
Chromium	207.4	115.7	97.09	mg/Kg	94%		75-125	0.97
Cobalt	103.7	13.16	97.09	mg/Kg	93%		75-125	0.97
Copper	350.9	237.7	97.09	mg/Kg	117%		75-125	0.97
Lead	1,068	752.0	97.09	mg/Kg	325%	E,NM	75-125	0.97
Molybdenum	97.72	2.788	97.09	mg/Kg	98%		75-125	0.97
Nickel	181.2	96.10	97.09	mg/Kg	88%		75-125	0.97
Selenium	70.12	ND	97.09	mg/Kg	72%	*	75-125	0.97
Silver	47.95	ND	48.54	mg/Kg	99%		75-125	0.97
Thallium	101.3	ND	97.09	mg/Kg	104%	b	75-125	0.97
Vanadium	105.0	17.82	97.09	mg/Kg	90%		75-125	0.97
Zinc	2,939	3491	97.09	mg/Kg	-569%	E,NM	75-125	0.97

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1052121	Batch:	309744
Matrix (Source ID):	Soil (481343-054)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1052121 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	106.8	18.76	97.09	mg/Kg	91%		75-125	2	41	0.97
Arsenic	106.7	11.49	97.09	mg/Kg	98%		75-125	2	35	0.97
Barium	217.5	186.8	97.09	mg/Kg	32%	*	75-125	19	20	0.97
Beryllium	91.04	0.3376	97.09	mg/Kg	93%		75-125	0	20	0.97
Cadmium	97.00	3.095	97.09	mg/Kg	97%		75-125	0	20	0.97
Chromium	221.4	115.7	97.09	mg/Kg	109%		75-125	7	20	0.97
Cobalt	104.4	13.16	97.09	mg/Kg	94%		75-125	1	20	0.97
Copper	325.2	237.7	97.09	mg/Kg	90%		75-125	8	20	0.97
Lead	920.9	752.0	97.09	mg/Kg	174%	E,NM	75-125		20	0.97
Molybdenum	97.69	2.788	97.09	mg/Kg	98%		75-125	0	20	0.97
Nickel	274.6	96.10	97.09	mg/Kg	184%	*	75-125	41*	20	0.97
Selenium	73.68	ND	97.09	mg/Kg	76%		75-125	5	20	0.97
Silver	46.91	ND	48.54	mg/Kg	97%		75-125	2	20	0.97
Thallium	108.4	ND	97.09	mg/Kg	112%	b	75-125	7	20	0.97
Vanadium	106.9	17.82	97.09	mg/Kg	92%		75-125	2	20	0.97
Zinc	2,992	3491	97.09	mg/Kg	-513%	E,NM	75-125		20	0.97

Type:	Blank	Lab ID:	QC1052137	Batch:	309750
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1052137 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	03/15/23	03/15/23

Type:	Lab Control Sample	Lab ID:	QC1052138	Batch:	309750
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1052138 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.9124	0.8333	mg/Kg	109%		80-120

Type:	Matrix Spike	Lab ID:	QC1052139	Batch:	309750
Matrix (Source ID):	Soil (481411-004)	Method:	EPA 7471A	Prep Method:	METHOD

QC1052139 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.033	0.02666	0.8772	mg/Kg	115%		75-125	1.1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1052140**	**Batch:**	**309750**
Matrix (Source ID):	**Soil (481411-004)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1052140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9424	0.02666	0.8475	mg/Kg	108%		75-125	6	20	1

Type: **Blank**	**Lab ID:** **QC1052123**		**Batch:** **309745**
Matrix: **Soil**	**Method:** **EPA 8015B**		**Prep Method:** **EPA 5035**

QC1052123 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	03/15/23	03/15/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	81%		%REC	60-140	03/15/23	03/15/23

Type: **Lab Control Sample**	**Lab ID:** **QC1052124**		**Batch:** **309745**
Matrix: **Soil**	**Method:** **EPA 8015B**		**Prep Method:** **EPA 5035**

QC1052124 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.020	5.000	mg/Kg	100%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2308	0.2000	mg/Kg	115%		60-140

Type: **Lab Control Sample Duplicate**	**Lab ID:** **QC1052125**		**Batch:** **309745**
Matrix: **Soil**	**Method:** **EPA 8015B**		**Prep Method:** **EPA 5035**

QC1052125 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	5.238	5.000	mg/Kg	105%		70-130	4	20
Surrogates								
Bromofluorobenzene (FID)	0.2311	0.2000	mg/Kg	116%		60-140		

Type: **Blank**	**Lab ID:** **QC1052126**		**Batch:** **309745**
Matrix: **Soil**	**Method:** **EPA 8015B**		**Prep Method:** **EPA 5035**

QC1052126 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	03/15/23	03/15/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	86%		%REC	60-140	03/15/23	03/15/23

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1051971**	**Batch: 309692**
Matrix: Soil	**Method: EPA 8015M**	**Prep Method: EPA 3580M**

QC1051971 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10	03/14/23	03/14/23
DRO C10-C28	ND		mg/Kg	10	03/14/23	03/14/23
ORO C28-C44	ND		mg/Kg	20	03/14/23	03/14/23
Surrogates				**Limits**		
n-Triacontane	99%		%REC	70-130	03/14/23	03/14/23

Type: Lab Control Sample	**Lab ID: QC1051972**	**Batch: 309692**
Matrix: Soil	**Method: EPA 8015M**	**Prep Method: EPA 3580M**

QC1051972 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	219.8	249.0	mg/Kg	88%		76-122
Surrogates						
n-Triacontane	9.750	9.960	mg/Kg	98%		70-130

Type: Matrix Spike	**Lab ID: QC1051973**	**Batch: 309692**
Matrix (Source ID): Soil (481411-004)	**Method: EPA 8015M**	**Prep Method: EPA 3580M**

QC1051973 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	223.8	ND	250.0	mg/Kg	90%		62-126	1
Surrogates								
n-Triacontane	9.337		10.00	mg/Kg	93%		70-130	1

Type: Matrix Spike Duplicate	**Lab ID: QC1051974**	**Batch: 309692**
Matrix (Source ID): Soil (481411-004)	**Method: EPA 8015M**	**Prep Method: EPA 3580M**

QC1051974 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	221.9	ND	248.0	mg/Kg	89%		62-126	0	35	0.99
Surrogates										
n-Triacontane	9.900		9.921	mg/Kg	100%		70-130			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1052231**	**Batch: 309794**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3546**

QC1052231 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1221	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1232	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1242	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1248	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1254	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1260	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1262	ND		ug/Kg	50	03/15/23	03/15/23
Aroclor-1268	ND		ug/Kg	50	03/15/23	03/15/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	81%		%REC	19-121	03/15/23	03/15/23

Type: Lab Control Sample	**Lab ID: QC1052268**	**Batch: 309794**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3546**

QC1052268 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	472.9	499.0	ug/Kg	95%		14-150
Aroclor-1260	478.4	499.0	ug/Kg	96%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	48.42	49.90	ug/Kg	97%		19-121

Type: Matrix Spike	**Lab ID: QC1052269**	**Batch: 309794**
Matrix (Source ID): Soil (481528-001)	**Method: EPA 8082**	**Prep Method: EPA 3546**

QC1052269 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	394.6	ND	495.5	ug/Kg	80%		42-127	0.99
Aroclor-1260	399.9	ND	495.5	ug/Kg	81%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	43.12		49.55	ug/Kg	87%		19-121	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1052270**	**Batch:**	**309794**
Matrix (Source ID):	**Soil (481528-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1052270 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	434.8	ND	492.1	ug/Kg	88%		42-127	10	30	0.98
Aroclor-1260	457.8	ND	492.1	ug/Kg	93%		38-130	14	30	0.98
Surrogates										
Decachlorobiphenyl (PCB)	46.62		49.21	ug/Kg	95%		19-121			0.98

Type:	**Lab Control Sample**	**Lab ID:**	**QC1052081**	**Batch:**	**309736**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1052081 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.05	50.00	ug/Kg	100%		70-131
MTBE	50.08	50.00	ug/Kg	100%		69-130
Benzene	46.72	50.00	ug/Kg	93%		70-130
Trichloroethene	50.29	50.00	ug/Kg	101%		70-130
Toluene	49.91	50.00	ug/Kg	100%		70-130
Chlorobenzene	47.29	50.00	ug/Kg	95%		70-130
Surrogates						
Dibromofluoromethane	51.00	50.00	ug/Kg	102%		70-130
1,2-Dichloroethane-d4	51.55	50.00	ug/Kg	103%		70-145
Toluene-d8	50.10	50.00	ug/Kg	100%		70-145
Bromofluorobenzene	48.56	50.00	ug/Kg	97%		70-145

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1052082**	**Batch:**	**309736**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1052082 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	54.46	50.00	ug/Kg	109%		70-131	8	33
MTBE	54.18	50.00	ug/Kg	108%		69-130	8	30
Benzene	48.73	50.00	ug/Kg	97%		70-130	4	30
Trichloroethene	56.22	50.00	ug/Kg	112%		70-130	11	30
Toluene	55.39	50.00	ug/Kg	111%		70-130	10	30
Chlorobenzene	48.45	50.00	ug/Kg	97%		70-130	2	30
Surrogates								
Dibromofluoromethane	51.29	50.00	ug/Kg	103%		70-130		
1,2-Dichloroethane-d4	52.95	50.00	ug/Kg	106%		70-145		
Toluene-d8	53.95	50.00	ug/Kg	108%		70-145		
Bromofluorobenzene	48.05	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1052086	**Batch:** 309736	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** EPA 5035	

QC1052086 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	03/14/23	03/14/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	15	03/14/23	03/14/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/14/23	03/14/23
Freon 12	ND		ug/Kg	5.0	03/14/23	03/14/23
Chloromethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Vinyl Chloride	ND		ug/Kg	5.0	03/14/23	03/14/23
Bromomethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Chloroethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Trichlorofluoromethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Acetone	ND		ug/Kg	100	03/14/23	03/14/23
Freon 113	ND		ug/Kg	5.0	03/14/23	03/14/23
1,1-Dichloroethene	ND		ug/Kg	5.0	03/14/23	03/14/23
Methylene Chloride	ND		ug/Kg	5.0	03/14/23	03/14/23
MTBE	ND		ug/Kg	5.0	03/14/23	03/14/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,1-Dichloroethane	ND		ug/Kg	5.0	03/14/23	03/14/23
2-Butanone	ND		ug/Kg	100	03/14/23	03/14/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	03/14/23	03/14/23
2,2-Dichloropropane	ND		ug/Kg	5.0	03/14/23	03/14/23
Chloroform	ND		ug/Kg	5.0	03/14/23	03/14/23
Bromochloromethane	ND		ug/Kg	5.0	03/14/23	03/14/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	03/14/23	03/14/23
1,1-Dichloropropene	ND		ug/Kg	5.0	03/14/23	03/14/23
Carbon Tetrachloride	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2-Dichloroethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Benzene	ND		ug/Kg	5.0	03/14/23	03/14/23
Trichloroethene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2-Dichloropropane	ND		ug/Kg	5.0	03/14/23	03/14/23
Bromodichloromethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Dibromomethane	ND		ug/Kg	5.0	03/14/23	03/14/23
4-Methyl-2-Pentanone	ND		ug/Kg	8.1	03/14/23	03/14/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	03/14/23	03/14/23
Toluene	ND		ug/Kg	5.0	03/14/23	03/14/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	03/14/23	03/14/23
1,3-Dichloropropane	ND		ug/Kg	5.0	03/14/23	03/14/23
Tetrachloroethene	ND		ug/Kg	5.0	03/14/23	03/14/23
Dibromochloromethane	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2-Dibromoethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Chlorobenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	03/14/23	03/14/23
Ethylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23

ENTHALPY ANALYTICAL

Batch QC

QC1052086 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	03/14/23	03/14/23
o-Xylene	ND		ug/Kg	5.0	03/14/23	03/14/23
Styrene	ND		ug/Kg	5.0	03/14/23	03/14/23
Bromoform	ND		ug/Kg	5.0	03/14/23	03/14/23
Isopropylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	03/14/23	03/14/23
Propylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
Bromobenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
2-Chlorotoluene	ND		ug/Kg	5.0	03/14/23	03/14/23
4-Chlorotoluene	ND		ug/Kg	5.0	03/14/23	03/14/23
tert-Butylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
sec-Butylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
n-Butylbenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
Hexachlorobutadiene	ND		ug/Kg	5.0	03/14/23	03/14/23
Naphthalene	ND		ug/Kg	5.0	03/14/23	03/14/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	03/14/23	03/14/23
Xylene (total)	ND		ug/Kg	5.0	03/14/23	03/14/23
Surrogates				**Limits**		
Dibromofluoromethane	103%		%REC	70-130	03/14/23	03/14/23
1,2-Dichloroethane-d4	107%		%REC	70-145	03/14/23	03/14/23
Toluene-d8	125%		%REC	70-145	03/14/23	03/14/23
Bromofluorobenzene	112%		%REC	70-145	03/14/23	03/14/23

* Value is outside QC limits
E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful
b See narrative

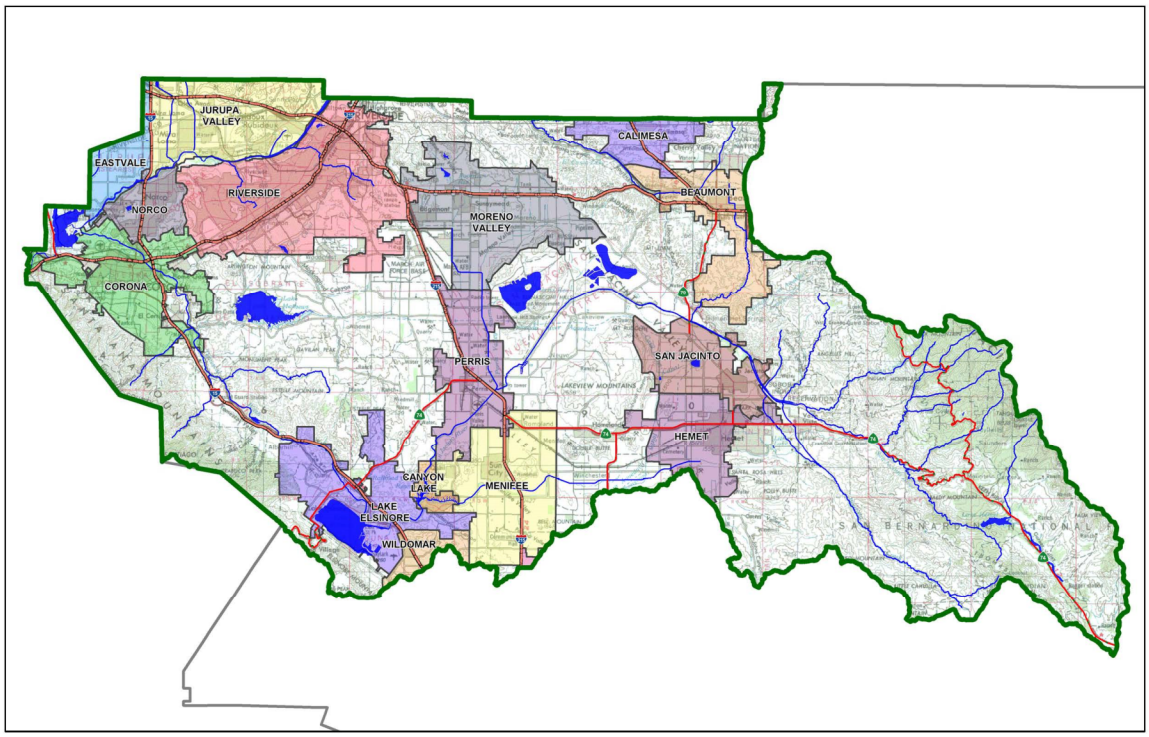
APPENDIX F – PROJECT SPECIFIC WATER QUALITY MANAGEMENT PLAN

Project Specific Water Quality Management Plan

Project Title: Nova Power Bank Project (Project)

Development No: TBD

Design Review/Case No: PR21-0128 – Nova Power Bank Storage



☒ **Preliminary**
☐ **Final**

Original Date Prepared: 06/07/2022

Revision Date(s):

Prepared for Compliance with
Regional Board Order No. **R8-2010-0033**
Template revised June 30, 2016

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OWNER'S CERTIFICATION

This Project-Specific Water Quality Management Plan (WQMP) has been prepared for Nova Power, LLC by Ilya Elkin for the Nova Power Bank Project (Project).

This WQMP is intended to comply with the requirements of **Riverside County** for Order No. R8-2010-0033 which includes the requirement for the preparation and implementation of a Project-Specific WQMP.

The undersigned, while owning the property/project described in the preceding paragraph, shall be responsible for the implementation and funding of this WQMP and will ensure that this WQMP is amended as appropriate to reflect up-to-date conditions on the site. In addition, the property owner accepts responsibility for interim operation and maintenance of Stormwater BMPs until such time as this responsibility is formally transferred to a subsequent owner. This WQMP will be reviewed with the facility operator, facility supervisors, employees, tenants, maintenance and service contractors, or any other party (or parties) having responsibility for implementing portions of this WQMP. At least one copy of this WQMP will be maintained at the project site or project office in perpetuity. The undersigned is authorized to certify and to approve implementation of this WQMP. The undersigned is aware that implementation of this WQMP is enforceable under **Riverside County** Water Quality Ordinance (Municipal Code Section 754.2).

"I, the undersigned, certify under penalty of law that the provisions of this WQMP have been reviewed and accepted and that the WQMP will be transferred to future successors in interest."

DocuSigned by:
Alexandre B. Makler
FAB8823FA4BB4C1...

Owner's Signature

6/13/2022
Date

Alexandre B. Makler
Owner's Printed Name

Vice President
Owner's Title/Position

PREPARER'S CERTIFICATION

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan meet the requirements of Regional Water Quality Control Board Order No. **R8-2010-0033** and any subsequent amendments thereto."

Ilya Elkin

Preparer's Signature

05/25/2022
Date

Ilya Elkin
Preparer's Printed Name

Civil Engineer
Preparer's Title/Position

Preparer's Licensure:

Table of Contents

Section A: Project and Site Information 5

A.1 Maps and Site Plans 6
A.2 Identify Receiving Waters 6
A.3 Additional Permits/Approvals required for the Project: 6

Section B: Optimize Site Utilization (LID Principles) 7

Section C: Delineate Drainage Management Areas (DMAs) 8

Section D: Implement LID BMPs 10

D.1 Infiltration Applicability 10
D.2 Harvest and Use Assessment 11
D.3 Bioretention and Biotreatment Assessment 13
D.4 Feasibility Assessment Summaries 13
D.5 LID BMP Sizing 14

Section E: Alternative Compliance (LID Waiver Program) 15

E.1 Identify Pollutants of Concern 16
E.2 Stormwater Credits 17
E.3 Sizing Criteria 17
E.4 Treatment Control BMP Selection 18

Section F: Hydromodification 19

F.1 Hydrologic Conditions of Concern (HCOC) Analysis 19
F.2 HCOC Mitigation 20

Section G: Source Control BMPs 21

Section H: Construction Plan Checklist 22

Section I: Operation, Maintenance and Funding 23

List of Tables

Table A.1 Identification of Receiving Waters 6
Table A.2 Other Applicable Permits 6
Table C.1 DMA Classifications 8
Table C.2 Type 'A', Self-Treating Areas 8
Table C.3 Type 'B', Self-Retaining Areas 8
Table C.4 Type 'C', Areas that Drain to Self-Retaining Areas 9
Table C.5 Type 'D', Areas Draining to BMPs 9
Table D.1 Infiltration Feasibility 10
Table D.2 LID Prioritization Summary Matrix 13
Table D.3 DCV Calculations for LID BMPs 14
Table E.1 Potential Pollutants by Land Use Type 16
Table E.2 Water Quality Credits 17
Table E.3 Treatment Control BMP Sizing 17
Table E.4 Treatment Control BMP Selection 18
Table F.1 Hydrologic Conditions of Concern Summary 19
Table G.1 Permanent and Operational Source Control Measures 21
Table H.1 Construction Plan Cross-reference 22

List of Appendices

Appendix 1: Maps and Site Plans

Appendix 2: Construction Plans

Appendix 3: Soils Information

Appendix 4: Historical Site Conditions

Appendix 5: LID Infeasibility

Appendix 6: BMP Design Details

Appendix 7: Hydromodification

Appendix 8: Source Control

Appendix 9: O&M

Appendix 10: Educational Materials

Section A: Project and Site Information

The Nova Power Bank Project (Project) is proposed to occupy the site of the former Inland Empire Energy Center (IEEC). The site is located in the City of Menifee, immediately southeast of the community of Romoland and is bounded by Antelope Road on the west; a concrete batch plant, Ethanac Road, and State Route (SR)-74 to the north; railroad tracks and Russell Road (adjacent to Matthews Road/Case Road) on the northeast; San Jacinto Road and vacant parcel to the east; and the Romoland Stormwater Channel, electrical transmission corridor, and McLaughlin Road to the south.

The Project is a battery energy storage project which may be constructed in phases or all at once, depending on when full capacity is needed. The Project will connect to Southern California Edison's Valley Substation using interconnection facilities already in place at the decommissioned IEEC. No additional transmission facilities will be needed. The Valley Substation is located approximately 0.52 miles east of the Project site. The project will repurpose the former IEEC's operations buildings as well as many of the existing interconnections for water, recycled water, sewer, and retail electricity service.

PROJECT INFORMATION		
Type of Project:	Industrial - Electric	
Planning Area:	Planning Area 3	
Community Name:	Menifee North	
Development Name:	Nova Power Bank	
PROJECT LOCATION		
Latitude & Longitude (DMS): **Lat:** 33° 44' 25" N **Lon:** 117° 10' 03" W		
Project Watershed and Sub-Watershed: Santa Ana Watershed		
Gross Acres: 43.17		
APN(s): 331-180-022		
Map Book and Page No.: TBD		
PROJECT CHARACTERISTICS		
Proposed or Potential Land Use(s)	Industrial - Electric	
Proposed or Potential SIC Code(s)	4911	
Area of Impervious Project Footprint (SF)	987,505	
Total Area of proposed Impervious Surfaces within the Project Footprint (SF)/or Replacement	987,505	
Does the project consist of offsite road improvements?	☒ Y	☐ N
Does the project propose to construct unpaved roads?	☐ Y	☒ N
Is the project part of a larger common plan of development (phased project)?	☐ Y	☒ N
EXISTING SITE CHARACTERISTICS		
Total area of existing Impervious Surfaces within the Project limits Footprint (SF)	392,681	
Is the project located within any MSHCP Criteria Cell?	☐ Y	☒ N
If so, identify the Cell number:		
Are there any natural hydrologic features on the project site?	☐ Y	☒ N
Is a Geotechnical Report attached?	☒ Y	☐ N
If no Geotech. Report, list the NRCS soils type(s) present on the site (A, B, C and/or D)		
What is the Water Quality Design Storm Depth for the project?	0.65"	

A.1 Maps and Site Plans

Appendix 1 of this project-specific WQMP includes:

a. A Vicinity Map identifying the project site and surrounding area.

b. A WQMP Site Plan identifying the following project features:

- Drainage Management Areas
- Proposed Structural BMPs
- Drainage Path
- Drainage Infrastructure, Inlets, Overflows
- Source Control BMPs
- Buildings, Roof Lines, Downspouts
- Impervious Surfaces
- Landscaped Areas

c. A Map detailing the Receiving Waters that the Project is tributary to.

Appendix 2 of this project-specific WQMP includes:

a. Grading and Drainage Plan

b. Landscaping Plans

A.2 Identify Receiving Waters

The following table details the Receiving Waters that the Project is tributary to and any impairments or beneficial uses associated with those Receiving Waters. A map detailing the Receiving Waters can be found in Appendix 1.

Table A.1 Identification of Receiving Waters

Receiving Waters	EPA Approved 303(d) List Impairments	Designated Beneficial Uses	Proximity to RARE Beneficial Use
San Jacinto River Reach 3	None	INTERMITTENT - AGR, GWR, REC1, REC2, WARM, WILD	N/A
Canyon Lake	Nutrients, Pathogens	MUN, AGR, GWR, REC1, REC2, WARM, WILD	N/A

A.3 Additional Permits/Approvals required for the Project:

Table A.2 Other Applicable Permits

Agency	Permit Required	
State Department of Fish and Game, 1602 Streambed Alteration Agreement	☐ Y	☒ N
State Water Resources Control Board, Clean Water Act (CWA) Section 401 Water Quality Cert.	☐ Y	☒ N
US Army Corps of Engineers, CWA Section 404 Permit	☐ Y	☒ N
US Fish and Wildlife, Endangered Species Act Section 7 Biological Opinion	☐ Y	☒ N
Statewide Construction General Permit Coverage	☒ Y	☐ N
Statewide Industrial General Permit Coverage	☐ Y	☒ N
Western Riverside MSHCP Consistency Approval (e.g., JPR, DBESP)	☒ Y	☐ N
Other *(please list in the space below as required)* Riverside County Flood Control and Water Conservation District Encroachment Permit	☒ Y	☐ N

Section B: Optimize Site Utilization (LID Principles)

The Nova Power Bank occupies approximately 43 acres and is located at 26226 Antelope Road in Menifee, CA on the site of the decommissioned Inland Empire Energy Center (IEEC). The site is relatively flat, with a gentle slope to the South and West. The elevation of the facility ranges from 1448 to 1433 feet above mean sea level (msl). Surface drainage from the site flows through the internal site separate storm drain system to two detention basins on the southwest and southeast corners of the site. A portion of runoff from an existing berm flows away from the site and enters the City of Menifee municipal storm drain system.

The proposed drainage design will utilize the existing storm drain system and retrofit the two existing detention basins into bioretention basins to meet Low Impact Development (LID) requirements for Riverside County before discharging into the Romoland Stormwater Channel to the south of the site.

Site Optimization

Did you identify and preserve existing drainage patterns? If so, how? If not, why?

Prior to the IEEC facility being decommissioned, stormwater runoff was conveyed through the internal site separate storm drain system to two detention basins at the south end of the site. Water from the detention basins was then pumped to the plant cooling towers for use on site.

Runoff from the site will continue to flow through the existing internal site separate storm drain system, but the runoff will be discharged into the Romoland Stormwater Channel after passing through the two bioretention basins. The Nova Power Bank facility will not have a use for stormwater onsite as the irrigation needs will be served through an existing recycled water line and the underlying soils in the bioretention basins have low infiltration capacity. However, the existing flow patterns to the bioretention basins will be preserved, requiring discharge offsite into the Romoland Stormwater Channel.

Did you identify and protect existing vegetation? If so, how? If not, why?

The project site is bordered on all sides by a tree-lined berm which will be protected during construction and preserved at the post developed facility. The remainder of the site had been previously developed so no other vegetation is present. The existing vegetation is shown on the WQMP Site Plan and Landscaping Plans in Appendix 1.

Did you identify and preserve natural infiltration capacity? If so, how? If not, why?

In-Situ infiltration testing conducted as part of a geotechnical investigation revealed soils with low infiltration capacity that are not suitable for infiltration facilities. The pre-developed site did not utilize infiltration to manage stormwater runoff.

Did you identify and minimize impervious area? If so, how? If not, why?

The Nova Power Bank facility requires a solid and level platform for all equipment to operate safely and effectively. To do so, a concrete slab is required within the project footprint in all areas that were not paved previously. However, existing trees and landscaped areas on the perimeter of the site shall be protected and preserved and the two existing vegetated detention basins will be retrofitted and maintained as pervious surfaces.

Did you identify and disperse runoff to adjacent pervious areas? If so, how? If not, why?

The project site is located in an industrial area that is heavily developed with limited pervious areas available for runoff dispersion. Also, the topography and limited infiltration capabilities make runoff dispersion infeasible at the site.

Section C: Delineate Drainage Management Areas (DMAs)

The Project site was delineated into 14 unique Drainage Management Areas (DMAs) which are listed in Table C.1 below. All DMAs drain to on-site BMPs, summarized in Table C.5.

Table C.1 DMA Classifications

DMA Name or ID	Surface Type(s)	Area (Sq. Ft.)	DMA Type
W1	Mixed Surface	408,237	D
W2	Mixed Surface	86,229	D
W3	Mixed Surface	87,581	D
W4	Mixed Surface	107,527	D
W5	Mixed Surface	124,270	D
W6	Mixed Surface	57,331	D
W7	Mixed Surface	233,183	D
E1	Mixed Surface	158,005	D
E2	Mixed Surface	47,994	D
E3	Mixed Surface	179,764	D
E4	Mixed Surface	65,236	D
E5	Mixed Surface	94,624	D
E6	Mixed Surface	105,739	D
E7	Mixed Surface	77,432	D

Note: A portion of the runoff leaves the site and is not collected by the on-site storm drain system. See the WQMP Site Map in Appendix 1 for additional information.

Table C.2 Type 'A', Self-Treating Areas

DMA Name or ID	Area (Sq. Ft.)	Stabilization Type	Irrigation Type (if any)
N/A			

Table C.3 Type 'B', Self-Retaining Areas

Self-Retaining Area				**Type 'C' DMAs that are draining to the Self-Retaining Area**		
DMA Name/ ID	Post-project surface type	Area (square feet) [A]	Storm Depth (inches) [B]	DMA Name / ID	[C] from Table C.4 = [C]	Required Retention Depth (inches) [D]
N/A						

Table C.4 Type 'C', Areas that Drain to Self-Retaining Areas

DMA					Receiving Self-Retaining DMA		
DMA Name/ ID	Area (square feet)	Post-project surface type	Impervious fraction	Product	DMA name /ID	Area (square feet)	Ratio
	[A]		[B]	[C] = [A] x [B]		[D]	[C]/[D]
N/A							

Table C.5 Type 'D', Areas Draining to BMPs

DMA Name or ID	BMP Name or ID
W1	West Bioretention Basin
W2	West Bioretention Basin
W3	West Bioretention Basin
W4	West Bioretention Basin
W5	West Bioretention Basin
W6	West Bioretention Basin
W7	West Bioretention Basin
E1	East Bioretention Basin
E2	East Bioretention Basin
E3	East Bioretention Basin
E4	East Bioretention Basin
E5	East Bioretention Basin
E6	East Bioretention Basin
E7	East Bioretention Basin

Note: More than one drainage management area can drain to a single LID BMP, however, one drainage management area may not drain to more than one BMP.

Section D: Implement LID BMPs

D.1 Infiltration Applicability

Is there an approved downstream 'Highest and Best Use' for stormwater runoff (see discussion in Chapter 2.4.4 of the WQMP Guidance Document for further details)? ☐ Y ☒ N

If yes has been checked, Infiltration BMPs shall not be used for the site; proceed to section D.3

If no, continue working through this section to implement your LID BMPs. It is recommended that you contact your Co-Permittee to verify whether or not your project discharges to an approved downstream 'Highest and Best Use' feature.

Geotechnical Report

A Geotechnical prepared by Terracon Consultants, Inc. has been included as part of this document and can be found in Appendix 3.

Is this project classified as a small project consistent with the requirements of Chapter 2 of the WQMP Guidance Document? ☐ Y ☒ N

Infiltration Feasibility

In-situ percolation tests were conducted at the Project site as part of a larger geotechnical investigation conducted by Terracon Consultants, Inc. Results showed infiltration rates of between 0.1 and 0.19 inches/hour, making infiltration at the site infeasible. The Geotechnical Report is included in Appendix 3.

Table D.1 Infiltration Feasibility

Does the project site…	YES	NO
…have any DMAs with a seasonal high groundwater mark shallower than 10 feet?		X
If Yes, list affected DMAs:		
…have any DMAs located within 100 feet of a water supply well?		X
If Yes, list affected DMAs:		
…have any areas identified by the geotechnical report as posing a public safety risk where infiltration of stormwater could have a negative impact?		X
If Yes, list affected DMAs:		
…have measured in-situ infiltration rates of less than 1.6 inches / hour?	X	
If Yes, list affected DMAs: W1-W7; E1-E7		
…have significant cut and/or fill conditions that would preclude in-situ testing of infiltration rates at the final infiltration surface?		X
If Yes, list affected DMAs:		
…geotechnical report identify other site-specific factors that would preclude effective and safe infiltration?		X
Describe here:		

If you answered "Yes" to any of the questions above for any DMA, Infiltration BMPs should not be used for those DMAs and you should proceed to the assessment for Harvest and Use below.

D.2 Harvest and Use Assessment

Please check what applies*:*

☐ Reclaimed water will be used for the non-potable water demands for the project.

☐Downstream water rights may be impacted by Harvest and Use as approved by the Regional Board (verify with the Copermittee).

☐The Design Capture Volume will be addressed using Infiltration Only BMPs. In such a case, Harvest and Use BMPs are still encouraged, but it would not be required if the Design Capture Volume will be infiltrated or evapotranspired.

If any of the above boxes have been checked, Harvest and Use BMPs need not be assessed for the site. If none of the above criteria applies, follow the steps below to assess the feasibility of irrigation use, toilet use and other non-potable uses (e.g., industrial use).

Irrigation Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for Irrigation Use BMPs on your site:

Step 1: Identify the total area of irrigated landscape on the site, and the type of landscaping used.

Total Area of Irrigated Landscape: 9.25 acres

Type of Landscaping (Conservation Design or Active Turf): Conservation Design

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for irrigation use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces: 22.7 acres

Step 3: Cross reference the Design Storm depth for the project site (see Exhibit A of the WQMP Guidance Document) with the left column of Table 2-3 in Chapter 2 to determine the minimum area of Effective Irrigated Area per Tributary Impervious Area (EIATIA).

Enter your EIATIA factor: 1.05

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum irrigated area that would be required.

Minimum required irrigated area: 23.83 acres

Step 5: Determine if harvesting stormwater runoff for irrigation use is feasible for the project by comparing the total area of irrigated landscape (Step 1) to the minimum required irrigated area (Step 4).

Minimum required irrigated area (Step 4)	Available Irrigated Landscape (Step 1)
23.83 acres	9.25 acres

Toilet Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for toilet flushing uses on your site:

Step 1: Identify the projected total number of daily toilet users during the wet season, and account for any periodic shut downs or other lapses in occupancy:

Projected Number of Daily Toilet Users: 6

Project Type: Industrial

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for toilet use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces: 22.7 acres

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-2 in Chapter 2 to determine the minimum number or toilet users per tributary impervious acre (TUTIA).

Enter your TUTIA factor: 185

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum number of toilet users that would be required.

Minimum number of toilet users: 4199.5

Step 5: Determine if harvesting stormwater runoff for toilet flushing use is feasible for the project by comparing the Number of Daily Toilet Users (Step 1) to the minimum required number of toilet users (Step 4).

Minimum required Toilet Users (Step 4)	**Projected number of toilet users (Step 1)**
4199.5	6

Other Non-Potable Use Feasibility

Are there other non-potable uses for stormwater runoff on the site (e.g. industrial use)? See Chapter 2 of the Guidance for further information. If yes, describe below. If no, write N/A.

N/A

If Irrigation, Toilet and Other Use feasibility anticipated demands are less than the applicable minimum values, Harvest and Use BMPs are not required and you should proceed to utilize LID Bioretention and Biotreatment per Section 3.4.2 of the WQMP Guidance Document.

D.3 Bioretention and Biotreatment Assessment

Other LID Bioretention and Biotreatment BMPs as described in Chapter 2.4.7 of the WQMP Guidance Document are feasible on nearly all development sites with sufficient advance planning.

Select one of the following:

☒ LID Bioretention/Biotreatment BMPs will be used for some or all DMAs of the project as noted below in Section D.4 (note the requirements of Section 3.4.2 in the WQMP Guidance Document).

☐ A site-specific analysis demonstrating the technical infeasibility of all LID BMPs has been performed and is included in Appendix 5. If you plan to submit an analysis demonstrating the technical infeasibility of LID BMPs, request a pre-submittal meeting with the Copermittee to discuss this option. Proceed to Section E to document your alternative compliance measures.

D.4 Feasibility Assessment Summaries

Bioretention BMPs will be used for all DMAs within the project site since Infiltration and Harvest and Use have been deemed infeasible.

Table D.2 LID Prioritization Summary Matrix

DMA Name/ID	LID BMP Hierarchy				No LID (Alternative Compliance)
	1. Infiltration	2. Harvest and use	3. Bioretention	4. Biotreatment	
W1	☐	☐	☒	☐	☐
W2	☐	☐	☒	☐	☐
W3	☐	☐	☒	☐	☐
W4	☐	☐	☒	☐	☐
W5	☐	☐	☒	☐	☐
W6	☐	☐	☒	☐	☐
W7	☐	☐	☒	☐	☐
E1	☐	☐	☒	☐	☐
E2	☐	☐	☒	☐	☐
E3	☐	☐	☒	☐	☐
E4	☐	☐	☒	☐	☐
E5	☐	☐	☒	☐	☐
E6	☐	☐	☒	☐	☐
E7	☐	☐	☒	☐	☐

D.5 LID BMP Sizing

Each LID BMP must be designed to ensure that the Design Capture Volume will be addressed by the selected BMPs. The Project utilizes two bioretention basins to treat the Design Capture Volume. Sizing calculations for the basins can be found in Appendix 6 and are summarized in tables D.3.1 and D.3.2.

Table D.3.1 DCV Calculations for West Bioretention Basin

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*West Bioretention Basin*		
	[A]		[B]	[C]	[A] x [C]			
W1	*40,8237*	*Mixed*	*0.49*	*0.33*	*135,912.2*			
W2	*86,229*	*Mixed*	*0.83*	*0.64*	*54,813.3*			
W3	*87,581*	*Mixed*	*0.86*	*0.67*	*59,072.3*			
W4	*107,527*	*Mixed*	*0.26*	*0.20*	*21,891.7*			
W5	*124,270*	*Mixed*	*0.89*	*0.72*	*88,963.1*			
W6	*57,331*	*Mixed*	*0.9*	*0.73*	*41,867.8*			
W7	*233,183*	*Mixed*	*0.63*	*0.43*	*100,869.9*			
	1,104,358				503,390.3	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
						0.65	27267	***192,839***

Table D.4.2 DCV Calculations for East Bioretention Basin

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*East Bioretention Basin*		
	[A]		[B]	[C]	[A] x [C]			
E1	*158,005*	*Mixed*	*0.69*	*0.48*	*76,563.3*			
E2	*47,994*	*Mixed*	*0.63*	*0.43*	*20,761.2*			
E3	*179,764*	*Mixed*	*0.13*	*0.13*	*23,247.6*			
E4	*65,236*	*Mixed*	*0.61*	*0.42*	*27,180.7*			
E5	*94,624*	*Mixed*	*0.18*	*0.16*	*15,050.1*			
E6	*105,739*	*Mixed*	*0.9*	*0.73*	*77,219.3*			
E7	*77,432*	*Mixed*	*0.01*	*0.05*	*3690.6*			
	728,794				243,712.8	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
						0.65	13201.1	***210,438***

Section E: Alternative Compliance (LID Waiver Program)

LID BMPs are expected to be feasible on virtually all projects. Where LID BMPs have been demonstrated to be infeasible as documented in Section D, other Treatment Control BMPs must be used (subject to LID waiver approval by the Copermittee). Check one of the following Boxes:

☒ LID Principles and LID BMPs have been incorporated into the site design to fully address all Drainage Management Areas. No alternative compliance measures are required for this project and thus this Section is not required to be completed.

- *Or* -

☐ The following Drainage Management Areas are unable to be addressed using LID BMPs. A site-specific analysis demonstrating technical infeasibility of LID BMPs has been approved by the Co-Permittee and included in Appendix 5. Additionally, no downstream regional and/or sub-regional LID BMPs exist or are available for use by the project. The following alternative compliance measures on the following pages are being implemented to ensure that any pollutant loads expected to be discharged by not incorporating LID BMPs, are fully mitigated.

E.1 Identify Pollutants of Concern

Pollutants of concern are those that are anticipated to be generated during the operation of the site. The following potential pollutants have been identified in association with the operation of the Nova Power Bank:

- **Nutrients –** Nutrients found in fertilizer used in landscaped areas have the potential to runoff and enter the storm drain system.
- **Pesticides –** Pesticides used in landscaped areas have the potential to runoff and enter the storm drain system.
- **Sediments –** During heavy rain event, soils and sediment can be transported from parking lots and landscaped areas and enter the storm drain system.
- **Oil & Grease –** Oils from roads and parking areas can be transported during rain events and enter the storm drain system.

Table E.1 Potential Pollutants by Land Use Type

Priority Development Project Categories and/or Project Features (check those that apply)	General Pollutant Categories							
	Bacterial Indicators	Metals	Nutrients	Pesticides	Toxic Organic Compounds	Sediments	Trash & Debris	Oil & Grease
☐ Detached Residential Development	P	N	P	P	N	P	P	P
☐ Attached Residential Development	P	N	P	P	N	P	P	P(2)
☒ Commercial/Industrial Development	P(3)	P	P(1)	P(1)	P(5)	P(1)	P	P
☐ Automotive Repair Shops	N	P	N	N	P(4, 5)	N	P	P
☐ Restaurants (>5,000 ft^2)	P	N	N	N	N	N	P	P
☐ Hillside Development (>5,000 ft^2)	P	N	P	P	N	P	P	P
☐ Parking Lots (>5,000 ft^2)	P(6)	P	P(1)	P(1)	P(4)	P(1)	P	P
☐ Retail Gasoline Outlets	N	P	N	N	P	N	P	P
Project Priority Pollutant(s) of Concern	☐	☐	☒	☒	☐	☒	☐	☒

P = Potential

N = Not Potential

(1) A potential Pollutant if non-native landscaping exists or is proposed onsite; otherwise not expected

(2) A potential Pollutant if the project includes uncovered parking areas; otherwise not expected

(3) A potential Pollutant is land use involving animal waste

(4) Specifically petroleum hydrocarbons

(5) Specifically solvents

(6) Bacterial indicators are routinely detected in pavement runoff

E.2 Stormwater Credits

The Nova Power Bank Project is not eligible for any Water Quality Credits.

Table E.2 Water Quality Credits

Qualifying Project Categories	Credit Percentage[2]
None	0
Total Credit Percentage[1]	0

[1]Cannot Exceed 50%

[2]Obtain corresponding data from Table 3-8 in the WQMP Guidance Document

E.3 Sizing Criteria

The Project utilizes two bioretention basins to treat the Design Capture Volume (DCV). Sizing calculations for the basins can be found in Appendix 6 and are summarized in tables E.3.1 and E.3.2.

Table E.3.1 Treatment Control BMP Sizing (West Bioretention Basin)

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperviousness Fraction, I_f	DMA Runoff Factor	DMA Area x Runoff Factor		*West Bioretention Basin*		
	[A]		[B]	[C]	[A] x [C]				
W1	408,237	Mixed	0.49	0.33	135,912.2	*Design Storm Depth (in)*	*Minimum Design Capture Volume or Design Flow Rate (cubic feet or cfs)*	*Total Storm Water Credit % Reduction*	*Proposed Volume or Flow on Plans (cubic feet or cfs)*
W2	86,229	Mixed	0.83	0.64	54,813.3				
W3	87,581	Mixed	0.86	0.67	59,072.3				
W4	107,527	Mixed	0.26	0.20	21,891.7				
W5	124,270	Mixed	0.89	0.72	88,963.1				
W6	57331	Mixed	0.9	0.73	41,867.8				
W7	233,183	Mixed	0.63	0.43	100,869.9				
	1,104,358				503,390.3	0.65	27,267	0	192,839

Table E.4.2 Treatment Control BMP Sizing (East Bioretention Basin)

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperviousness Fraction, I_f	DMA Runoff Factor	DMA Area x Runoff Factor		*East Bioretention Basin*		
	[A]		[B]	[C]	[A] x [C]				
E1	158,005	Mixed	0.69	0.48	76,563.3	*Design Storm Depth (in)*	*Minimum Design Capture Volume or Design Flow Rate (cubic feet or cfs)*	*Total Storm Water Credit % Reduction*	*Proposed Volume or Flow on Plans (cubic feet or cfs)*
E2	47,994	Mixed	0.63	0.43	20,761.2				
E3	179,764	Mixed	0.13	0.13	23,247.6				
E4	65,236	Mixed	0.61	0.42	27,180.7				
E5	94,624	Mixed	0.18	0.16	15,050.1				
E6	105,739	Mixed	0.9	0.73	77,219.3				
E7	77,432	Mixed	0.01	0.05	3690.6				
	728,794				243,712.8	0.65	13,201.1	0	210,438

E.4 Treatment Control BMP Selection

Treatment control for Project runoff is provided by two bioretention basins located at the south end of the site. Bioretention basins are designed to function as a soil and plant-based filtration device that removes pollutants through a variety of physical, biological, and chemical treatment processes.

Bioretention was selected as the treatment control BMP because of its high removal efficiency for all priority pollutants of concern according to Appendix E of the Riverside County – Low Impact Development BMP Design Handbook (See Appendix 6).

Table E.5 Treatment Control BMP Selection

Selected Treatment Control BMP Name or ID	Priority Pollutant(s) of Concern to Mitigate	Removal Efficiency
West Bioretention Basin	Nutrients, Pesticides, Sediment, Oil & Grease	High
East Bioretention Basin	Nutrients, Pesticides, Sediment, Oil & Grease	High

Section F: Hydromodification

F.1 Hydrologic Conditions of Concern (HCOC) Analysis

Runoff from the Project will discharge into the Romoland Stormwater Channel, an engineered channel designed to be erosion resistant and provide adequate capacity. The Romoland Stormwater Channel then discharges into the San Jacinto River, which is tributary to Canyon Lake. Canyon Lake is an adequate sump and qualifies the Project for HCOC Exemption 3.

HCOC EXEMPTION 1: The Priority Development Project disturbs less than one acre. The Copermittee has the discretion to require a Project-Specific WQMP to address HCOCs on projects less than one acre on a case by case basis. The disturbed area calculation should include all disturbances associated with larger common plans of development.

Does the project qualify for this HCOC Exemption? ☐ Y ☒ N

If Yes, HCOC criteria do not apply.

HCOC EXEMPTION 2: The volume and time of concentration[1] of storm water runoff for the post-development condition is not significantly different from the pre-development condition for a 2-year return frequency storm (a difference of 5% or less is considered insignificant) using one of the following methods to calculate:

- Riverside County Hydrology Manual
- Technical Release 55 (TR-55): Urban Hydrology for Small Watersheds (NRCS 1986), or derivatives thereof, such as the Santa Barbara Urban Hydrograph Method
- Other methods acceptable to the Co-Permittee

Does the project qualify for this HCOC Exemption? ☐ Y ☒ N

If Yes, report results in Table F.1 below and provide your substantiated hydrologic analysis in Appendix 7.

Table F.1 Hydrologic Conditions of Concern Summary

	2 year – 24 hour		
	Pre-condition	**Post-condition**	**% Difference**
Time of Concentration	N/A	N/A	N/A
Volume (Cubic Feet)	N/A	N/A	N/A

[1] Time of concentration is defined as the time after the beginning of the rainfall when all portions of the drainage basin are contributing to flow at the outlet.

HCOC EXEMPTION 3: All downstream conveyance channels to an adequate sump (for example, Prado Dam, Lake Elsinore, Canyon Lake, Santa Ana River, or other lake, reservoir or naturally erosion resistant feature) that will receive runoff from the project are engineered and regularly maintained to ensure design flow capacity; no sensitive stream habitat areas will be adversely affected; or are not identified on the Co-Permittees Hydromodification Susceptibility Maps.

Does the project qualify for this HCOC Exemption? ☒ Y ☐ N

If Yes, HCOC criteria do not apply and note below which adequate sump applies to this HCOC qualifier:

Runoff from the project site is discharged to the Romoland Stormwater Channel, which is an engineered channel that is designed to be erosion resistant. Furthermore, the Romoland Stormwater Channel then discharges in the San Jacinto River, which is tributary to Canyon Lake, which qualifies as an adequate sump. A map showing the discharge location in the Romoland Channel and the Receiving Waters is located in Appendix 7.

F.2 HCOC Mitigation

The Project meets HCOC Exemption 3 so no HCOC mitigation is required.

Section G: Source Control BMPs

This section identifies and describes the Permanent and Operational Source Control BMPs applicable and implemented on this project. The Stormwater Pollutant Sources/Source Control Checklist is included in Appendix 8.

Table G.1 Permanent and Operational Source Control Measures

Potential Sources of Runoff pollutants	Permanent Structural Source Control BMPs	Operational Source Control BMPs
On-Site Storm Drain Inlets	Mark all inlets with the words "Only Rain Down the Storm Drain" or similar.	Maintain and periodically repaint or replace inlet markings.
Landscape/Outdoor Pesticide Use	Preserve existing native trees, shrubs, and ground cover to the maximum extent possible AND consider using pest-resistant plants, especially adjacent to hardscape.	Maintain landscaping using minimum or no pesticides
Roofing, gutters, and trim	Avoid roofing, gutters, and trim made of copper or other unprotected metals that may leach into runoff.	N/A
Plazas, sidewalks, and parking lots.	N/A	Sweep plazas, sidewalks, and parking lots regularly to prevent the accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge it to the sanitary sewer, not to a storm drain.

Section H: Construction Plan Checklist

Populate Table H.1 below to assist the plan checker in an expeditious review of your project. The first two columns will contain information that was prepared in previous steps, while the last column will be populated with the corresponding plan sheets. This table is to be completed with the submittal of your final Project-Specific WQMP.

Table H.1 Construction Plan Cross-reference

BMP No. or ID	BMP Identifier and Description	Corresponding Plan Sheet(s)	BMP Location (Lat/Long)
TBD	West Bioretention Basin	C3	**Lat:** 33° 44' 14" N **Lon:** 117° 10' 15" W
TBD	East Bioretention Basin	C3	**Lat:** 33° 44' 15" N **Lon:** 117° 10' 04" W

Section I: Operation, Maintenance and Funding

All Source Control and LID BMPs will be operated, maintained and funded by Nova Power, LLC. The site operator and employees will have adequate awareness training for the operation of the site. Restrictions will be well defined and emergency contact information will be provided in the event of a hazardous spill and other potential contamination.

All drainage facilities shall be maintained quarterly and as appropriate, post-storm events. Information related to the operation and maintenance of BMPs that will be used at the site are included in Appendix 9. Educational materials related to BMPs that will be used at the site are included in Appendix 10.

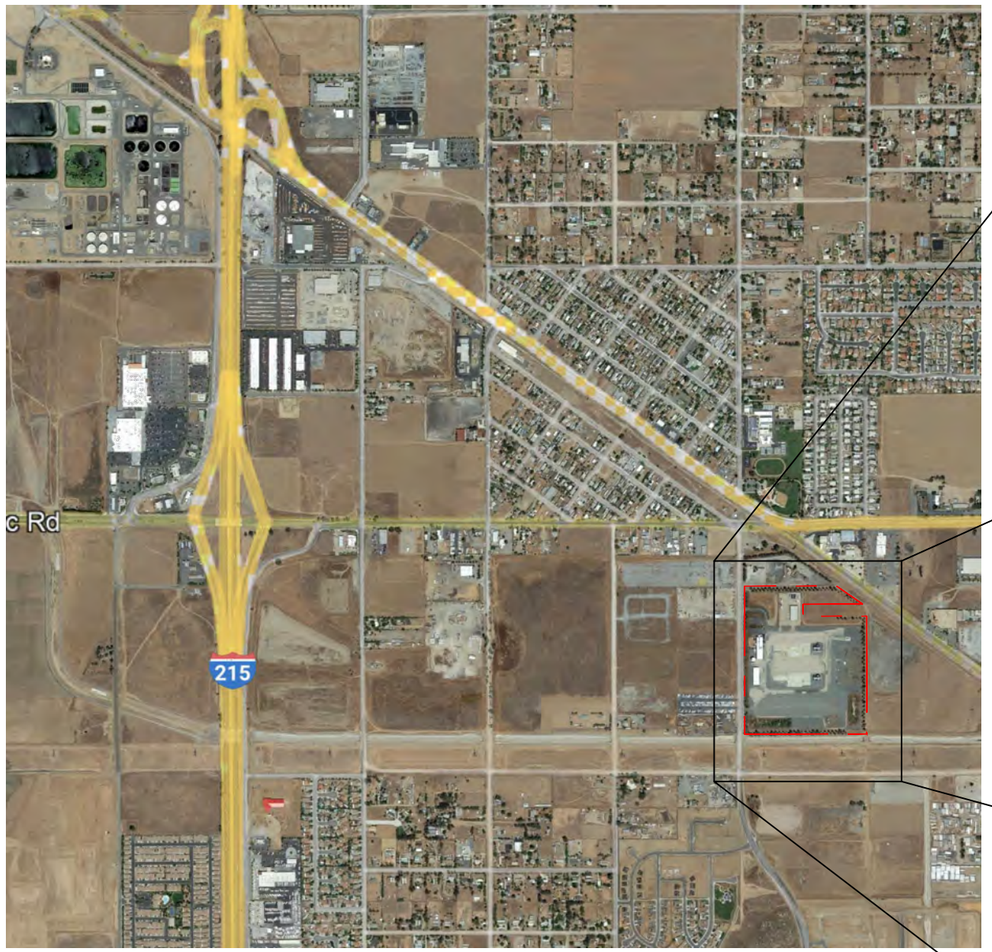
Maintenance Mechanism: Nova Power, LLC will be responsible for all BMP operation, maintenance and funding.

Will the proposed BMPs be maintained by a Home Owners' Association (HOA) or Property Owners Association (POA)?

☐ Y ☒ N

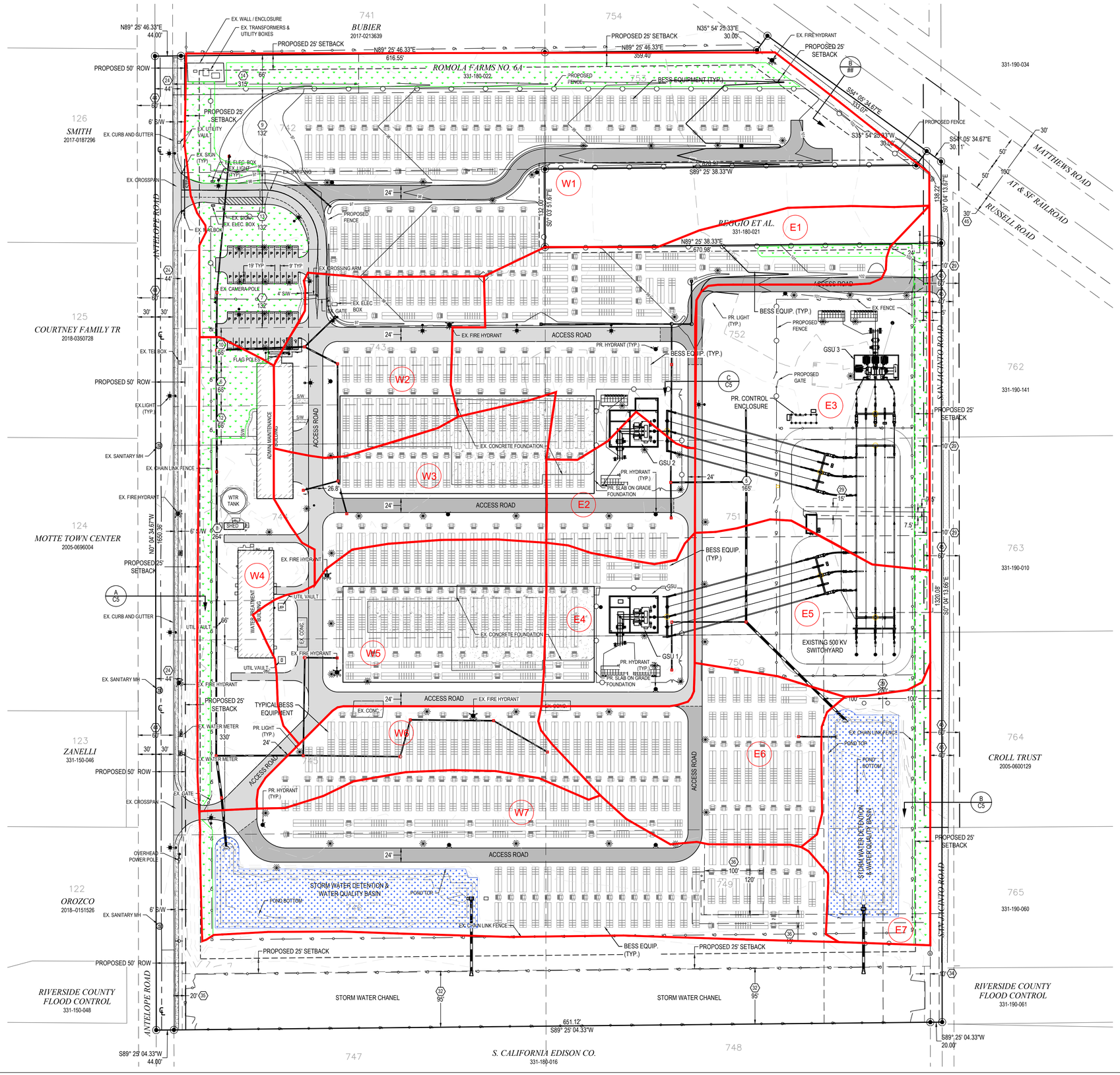
Appendix 1: Maps and Site Plans

Location Map, WQMP Site Plan and Receiving Waters Map





NV5 ALTA ENVIRONMENTAL	DESCRIPTION: PROJECT VICINITY MAP	
LOCATION: 26226 ANTELOPE RD MENIFEE, CA 92585		
JOB NO.: CLPN-21-10584	DATE: 12/3/2021	FIGURE NO.: 1 of 3



SITE PLAN LEGEND

PROPOSED		EXISTING	
	ROW		PROPERTY LINE
	PROPERTY SETBACK		EASEMENT
	CENTERLINE		CENTERLINE
	FENCE		FENCE
	CENTERLINE		CENTERLINE
	HYDRANT		HYDRANT
	LIGHT		LIGHT
	24' W ALL WEATHER SURFACE	IM	WATER METER
W1	DMA LABEL	45	EASEMENT NUMBER
	DMA BOUNDARY		EASEMENT NUMBER
	BIORETENTION BASIN FOR POLLUTION AND FLOOD CONTROL		ELEC. POWER POLE W/GUY
			LANDSCAPING

ABBREVIATIONS

ESMT	EASEMENT	PCR	POINT OF CURB RETURN
ELEC	ELECTRIC	PR	PROPOSED
EG	EXISTING GROUND	ROW	RIGHT OF WAY
EX	EXISTING	SW	SWALE
GSU	GENERATOR STEP UP TRANSFORMER	S/W	SWALE
HP	HIGH POINT	TYP	TYPICAL
INV	INVERT ELEVATION	UTIL	UTILITY

EASEMENTS

45

WEST BIORETENTION BASIN

DMA	AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	% IMPERVIOUS
W1	408,237.3	188,660.3	219,577.1	46%
W2	86,229.1	73,453.9	12,775.2	85%
W3	87,581.7	75,077.0	12,504.7	86%
W4	107,527.0	27,997.7	79,529.3	26%
W5	124,269.9	110,080.9	14,189.0	89%
W6	57,331.3	51,662.5	5,668.8	90%
W7	233,182.6	146,959.8	86,222.8	63%
TOTAL	1,104,358.9	673,892.1	430,466.8	61%

EAST BIORETENTION BASIN

DMA	AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	% IMPERVIOUS
E1	158,004.8	110,439.7	47,565.1	70%
E2	47,993.9	30,328.9	17,665.0	63%
E3	179,764.2	22,688.8	157,075.4	13%
E4	65,235.7	40,018.4	25,217.3	61%
E5	94,623.7	16,900.9	77,722.7	18%
E6	105,739.0	95,299.8	10,439.2	90%
E7	77,432.1	641.8	76,790.3	1%
TOTAL	728,793.4	316,318.4	412,474.9	43%

NOTE: THE TOTAL SITE ACREAGE IS 43.2 ACRES. THE WESTERN PORTION OF THE EXISTING LANDSCAPED SCREENING BERM ALONG ANTELOPE ROAD IS SLOPED AWAY FROM THE ON-SITE DRAINAGE SYSTEM.

N

0 20' 80' 160" 240'
10' 40' 120' 200'
SCALE: 1"=80'

PRELIMINARY

NOT FOR CONSTRUCTION
FOR REVIEW & APPROVAL ONLY

PREPARED FOR:
COLTON CORPORATION
MENIFEE, CALIFORNIA

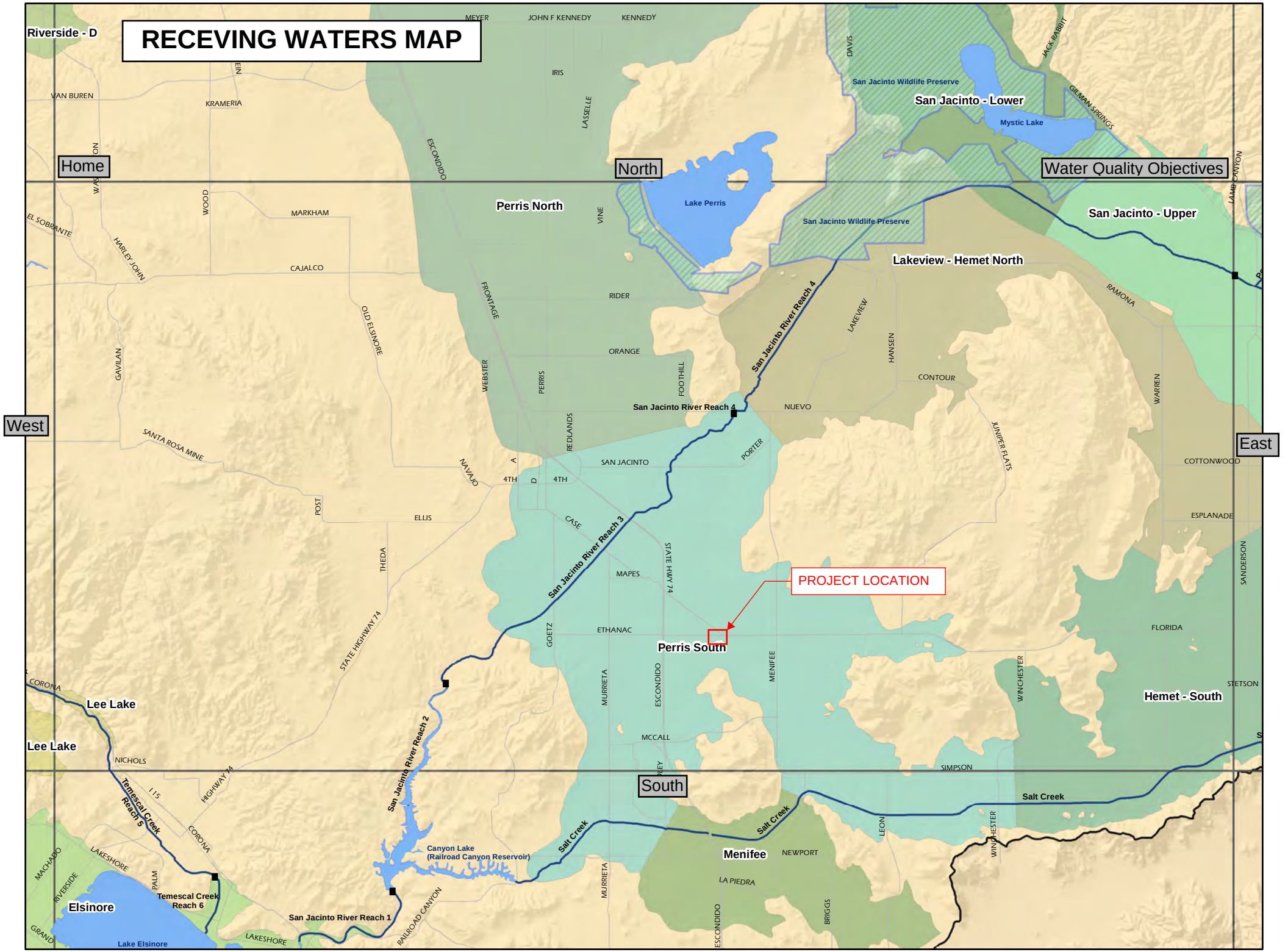
PREPARED BY:
NV5 | ALTA ENVIRONMENTAL
27368 VIA INDUSTRIA, ANNEX BLDG.
LONG BEACH, CA 90807
T: (562) 495-5777
F: (562) 495-5787
(BASE DRAWING PREPARED BY OTHERS)

NV5 ALTA ENVIRONMENTAL

NO.	REVISION	BY	DATE

NOVA ENERGY BATTERY STORAGE FACILITY
SITE AND DRAINAGE PLAN
MENIFEE, CALIFORNIA

Date: 06/06/2022
Scale: 1"=80'
Sheet No.: 1 OF 1
File No.: CLPN-21-10584


RECEVING WATERS MAP
Riverside - D
Home
North
Water Quality Objectives
West
East
South
PROJECT LOCATION
Perris North
Perris South
Lake Perris
San Jacinto Wildlife Preserve
San Jacinto - Lower
Mystic Lake
San Jacinto - Upper
Lakeview - Hemet North
San Jacinto River Reach 4
San Jacinto River Reach 3
San Jacinto River Reach 2
San Jacinto River Reach 1
Hemet - South
Menifee
Canyon Lake
(Railroad Canyon Reservoir)
Lee Lake
Elsinore
Lake Elsinore
Temescal Creek
Reach 5
Temescal Creek
Reach 6
Salt Creek
MEYER
JOHN F KENNEDY
KENNEDY
IRIS
VAN BUREN
KRAMERIA
DAVIS
JACK RABBIT
GILMAN SPRINGS
LAMB CANYON
MARKHAM
CAJALCO
RIDER
ORANGE
NUEVO
CONTOUR
SAN JACINTO
ELLIS
MAPES
ETHANAC
MCCALL
SIMPSON
NEWPORT
LA PIEDRA
COTTONWOOD
ESPLANADE
FLORIDA
STETSON
SANDERSON
WARREN
RAMONA
JUNIPER FLATS
PORTER
HANSEN
LAKEVIEW
FRONTAGE
OLD ELSINORE
ESCONDIDO
LASSELLE
VINE
WOOD
WASHINGTON
EL SOBRANTE
HARLEY JOHN
GAVILAN
SANTA ROSA MINE
POST
THEDA
NAVAJO
REDLANDS
PERRIS
WEBSTER
FOOTHILL
CASE
GOETZ
MURRIETA
MENIFEE
WINCHESTER
LEON
BRIGGS
STATE HWY 74
STATE HIGHWAY 74
HIGHWAY 74
NICHOLS
CORONA
115
MACHADO
RIVERSIDE
LAKESHORE
PALM
GRAND
RAILROAD CANYON
4TH
D
A

Appendix 2: Construction Plans

Grading and Drainage Plans

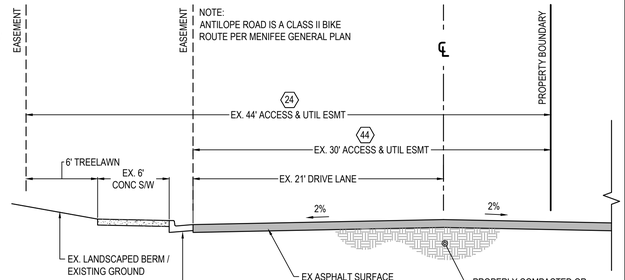
SITE PLAN LEGEND

PROPOSED		EXISTING	
	ROW		PROPERTY LINE
	PROPERTY SETBACK		EASEMENT
	CENTERLINE		CENTERLINE
	FENCE		FENCE
	CENTERLINE		CENTERLINE
	HYDRANT		HYDRANT
	LIGHT		LIGHT
	24' W ALL WEATHER SURFACE		24' W ALL WEATHER SURFACE
	LIMITS OF PROPOSED GRADING	WM	WATER METER
	STORM DRAIN W/ MH & INLET	45	EASEMENT NUMBER
	DRAINAGE BASIN		GRAVEL ROAD
E1	DRAINAGE BASIN #		ELEC. POWER POLE W/GUY
			STORM DRAIN W/ MH & INLET

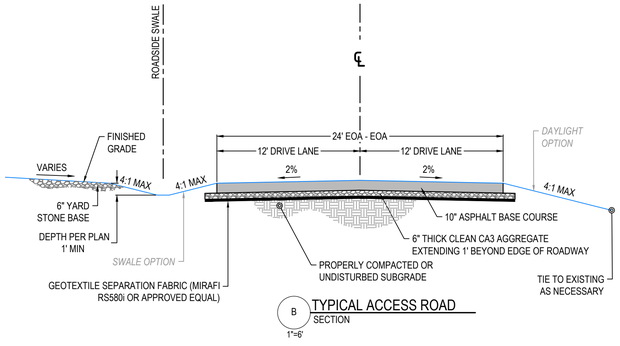
ABBREVIATIONS

BW	BALK OF WALK	HP	HIGH POINT
CL	CENTERLINE	INV	INVERT ELEVATION
ESMT	EASEMENT	PCR	POINT OF CURB RETURN
ELEC	ELECTRIC	PL	PROPERTY LINE
EG	EXISTING GROUND	PR	PROPOSED
EX	EXISTING	ROW	RIGHT OF WAY
FEN	FENCE	SW	SWALE
GRT	GRATE	S/W	SIDEWALK
GSU	GENERATOR STEP UP TRANSFORMER	TYP	TYPICAL
		UTIL	UTILITY

ROADWAY SECTIONS



A ANTELOPE ROAD (EAST) SECTION
1"=6'



B TYPICAL ACCESS ROAD SECTION
1"=6'

BASIN INFORMATION

REFER TO "HYDROLOGIC ANALYSIS FOR PROPOSED POST DEVELOPMENT SITE CONDITION" REPORT PREPARED BY NV5 MAY 27, 2022.

NOTES

1. FOR EXISTING LANDSCAPE BERM ALONG SAN JACINTO ROAD REFER TO LANDSCAPE ARCHITECTURE SECTION PREPARED BY JACOBS.
2. THE STORM DRAIN SYSTEM DEPICTED ON THIS PLAN IS PRIVATE. NOVA POWER LLC WILL BE RESPONSIBLE FOR MAINTENANCE OF SITE STORM DRAIN PIPES, STRUCTURES AND SWALES.

0 20' 80' 160' 240'
10' 40' 120' 200'
SCALE: 1"=80'

N

NO.	DATE	DWN.	CHK.	REVISIONS

NOVA BESS
RIVERSIDE, CA

GRADING AND DRAINAGE PLAN

nei
ELECTRIC POWER ENGINEERING, INC.
12600 W. COLFAX AVE, STE. C500
LAKEWOOD, CO 80215
(303) 431-7895 www.nielemg.com

DATE 06/10/22
SCALE NTS
JOB NO. 3840.001

C3

GENERAL NOTES

1. SURVEY / TOPO PROVIDED BY BELECCI & ASSOCIATES.
2. EXISTING TREE LOCATION AND SPECIES ARE FROM AERIAL PHOTOGRAPHY AND MAY NOT BE EXACT.
3. EXISTING TREES AND SHRUBS ARE FULLY IRRIGATED. AS-BUILT IRRIGATION LINES AND DETAILS ARE NOT AVAILABLE AT THIS TIME. EXISTING IRRIGATION SHALL BE PROTECTED AND REMAIN IN OPERATION WHILE NEW PLANTING AND IRRIGATION IS INSTALLED.
4. ALL TREES AND SHRUBS ARE CHOSEN FROM THE COUNTY OF RIVERSIDE CALIFORNIA FRIENDLY PLANT LIST.

PLANTING NOTES

1. IRRIGATION SYSTEM SHALL BE OPERATIONAL AND COVERAGE APPROVED PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. PROVIDE MINIMUM SLOPE OF 2% FOR DRAINAGE IN ALL PLANTED AREAS.
3. THE FINISHED GRADE FOR ALL PLANTERS SHALL BE 2" BELOW THE TOP-OF-CURB.
4. ALL PLANT MATERIAL SHALL MATCH SPECIFICATIONS PER SPECIES, AND SHALL COMPLY WITH ANSI Z60.1 "STANDARD FOR NURSERY STOCK".
5. IMMEDIATELY UPON AWARD, CONTRACTOR SHALL SECURE PLANT MATERIALS AS SPECIFIED. CONTACT LANDSCAPE ARCHITECT FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIALS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT.
6. TREE LOCATIONS SHALL BE FIELD STAKED AND LOCATIONS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. INTENT OF TREE PLANTING IS TO ENHANCE THE EXISTING TREE BUFFER. PROTECT ALL EXISTING TREES TO REMAIN WHEN INSTALLING IRRIGATION AND NEW TREES/SHRUBS.
7. ALL TREES SHALL BE PLANTED 10 FEET AWAY FROM NEW OR EXISTING WATER MAINS OR UTILITY LINES SHOWN.
8. REFER TO PLANTING DETAILS, SPECIAL PROVISIONS, AND COUNTY, STANDARD SPECIFICATIONS FOR MATERIALS AND INSTALLATION PROCEDURES.
9. PLANT QUANTITIES SHOWN ARE FOR BIDDING REFERENCE ONLY. CONTRACTOR SHALL SUPPLY ALL PLANTS REQUIRED TO FULFILL DESIGN INTENT AS SHOWN ON PLANS.

   MS — PLANT CODE
   5 — QUANTITY

10. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING AND NEW PLANT MATERIAL FROM NOTICE TO PROCEED TO TIME OF FINAL ACCEPTANCE. OWNER SHALL NOT BE RESPONSIBLE FOR LOSSES DUE TO VANDALISM, THEFT OR SEVERE WEATHER.
11. CONTRACTOR SHALL PLACE PLANT MATERIALS SO THEY DO NOT INTERFERE WITH EXISTING IRRIGATION SYSTEM OR INHIBIT REQUIRED COVERAGE. PLANT LOCATIONS MAY BE ADJUSTED AS LONG AS DESIGN INTENT IS NOT COMPROMISED. CONTRACTOR SHALL SET OUT PLANT MATERIAL AS PER PLAN AND RECEIVE ACCEPTANCE FROM INSPECTOR WITH RESPECT TO PLANT HEALTH AND LOCATION PRIOR TO INSTALLATION. CONTRACTOR SHALL GIVE MINIMUM 7 WORKING DAYS WORKING DAYS NOTICE TO THE LANDSCAPE ARCHITECT TO VERIFY THE PLANT LOCATIONS PRIOR TO THE CONTRACTOR INSTALLING THE PLANT MATERIAL. CONTRACTOR SHALL REPLACE ANY PLANTS WHICH APPEAR TO BE UNHEALTHY OR ROOT BOUND AS REQUESTED BY THE LANDSCAPE ARCHITECT.

SOIL MANAGEMENT

1. SOIL FERTILITY ANALYSIS SHALL BE OBTAINED BY THE CONTRACTOR AS SOON AS ROUGH GRADING OF THE SITE IS FINISHED OR AS SOON AS REPRESENTATIVE SAMPLES OF SOILS FROM PLANTING AREAS CAN BE OBTAINED.
2. SOIL SAMPLES SHALL BE OBTAINED FROM 3 REPRESENTATIVE LOCATIONS WITHIN PLANTINGS AREAS OF THE SITE.
3. THE SOILS ANALYSIS SHALL INCLUDE SOIL TEXTURE, INFILTRATION RATE, PH, TOTAL SOLUBLE SALTS, SODIUM, PERCENT ORGANIC MATTER, AND SHALL PROVIDE SOIL AMMENDMENT RECOMMENDATIONS.
4. SOIL ANALYSIS RESULTS AND AMENDMENT RECOMMENDATIONS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT AS SOON AS THEY BECOME AVAILABLE FOR APPROVAL.
5. SOIL AMENDMENTS SHALL FOLLOW THE RECOMMENDATIONS OF THE SOILS ANALYSIS. IF RECOMMENDATIONS ARE NOT CONSISTENT, CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE LANDSCAPE ARCHITECT.

PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	CNTR SIZE	SPACING	QTY
	CM	CERCIDIUM MICROPHYLLUM / LITTLE LEAF PALO VERDE	24"BOX	AS SHOWN	19
	FU	FRAXINUS UHDEI / SHAMEL ASH	24"BOX	AS SHOWN	6
	GR	GREVILLEA ROBUSTA / SILK OAK	24"BOX	AS SHOWN	39
	RA	ROBINIA X AMBIGUA 'IDAHOENSIS' / IDAHO PINK LOCUST	24"BOX	AS SHOWN	9

SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
	CC	CISTUS CORBARIENSIS / WHITE ROCKROSE	5 GAL	AS SHOWN	12
	LC	LANTANA CAMARA / LANTANA	5 GAL	AS SHOWN	12
	RI	RHAPHIOLEPIS INDICA / INDIAN HAWTHORN	5 GAL	AS SHOWN	37
		EXISTING TREES			
		EXISTING TREES TO BE REMOVED			

GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONT	SPACING	SPACING	QTY
	CS	CONVOLVULUS SABATIUS / GROUND MORNING GLORY	1 GAL.		36" o.c.	145
NOT SHOWN	RM	ROCK MULCH IN PROPOSED PLANTER BEDS	2" DEPTH 1"-2" SIZE			3,185 SF

REV	DESCRIPTION	BY	DATE
1	PLANNING SUBMITTAL		6/6/22
		APPROVED	

DATE: June 6, 2022
SCALE: H: V:
DRAWN BY: T.TAKENAKA
DESIGNED BY: C.CAMERON
CHECKED BY: L.CYRA-KORSGAARD

CONCEPTUAL NOT FOR CONSTRUCTION

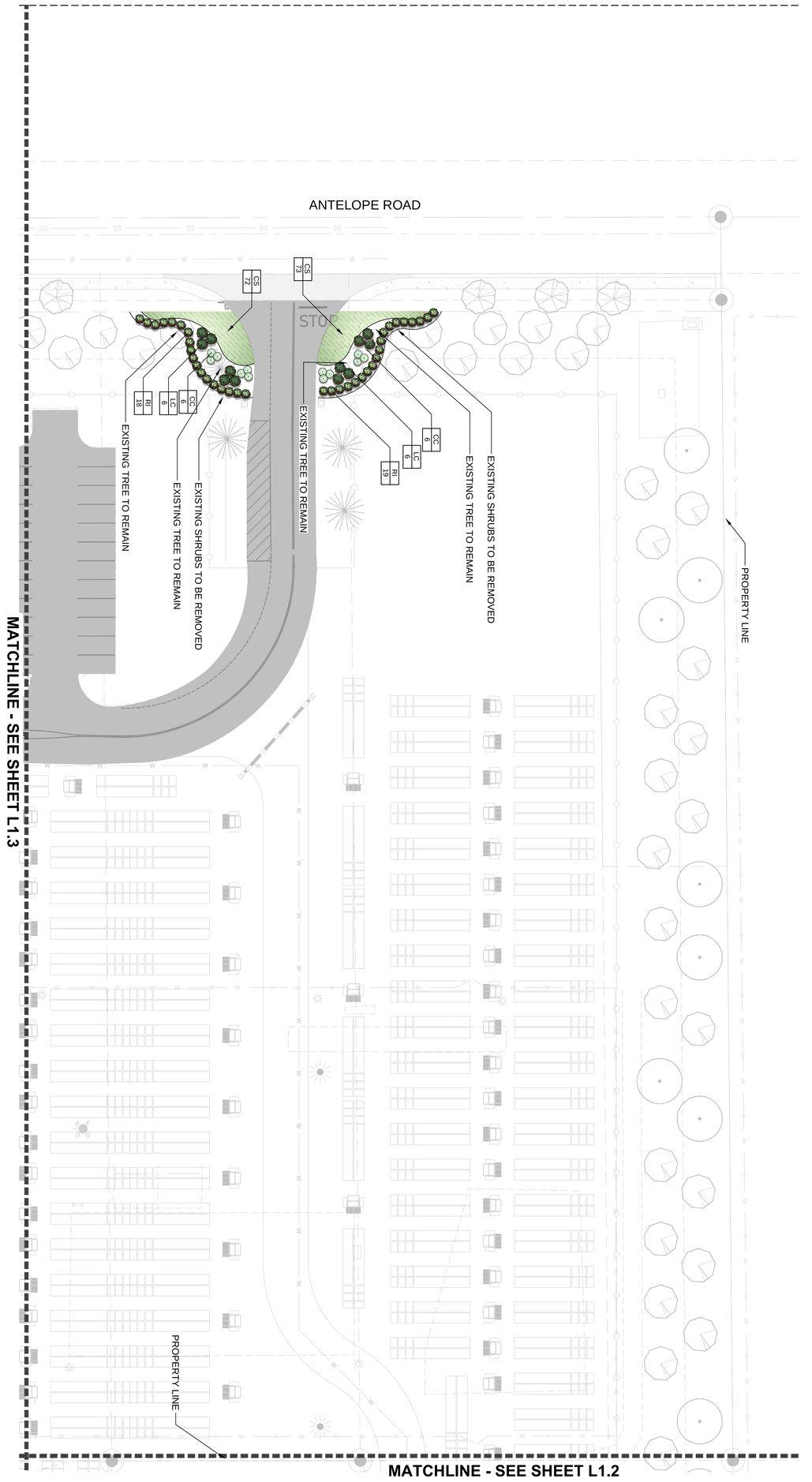
Jacobs
1301 N. GREEN VALLEY PARKWAY, SUITE 200
HENDERSON, NEVADA 89074
PHONE (702) 963-1262

LANDSCAPE PLAN FOR
NOVA POWER BANK
PLANTING NOTES & SCHEDULE
COUNTY OF RIVERSIDE CALIFORNIA

LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — CHRISTOPHER CAMERON — No. 6065 — EXPIRATION DATE 08-31-2023

PROJECT NO: D3621500
L1.0
SHEET OF XX

C:\Users\cd041239\Jacobs\TakenakaT Tomomi K. — Calpine Nova Project\ACAD_SHEET\02_L1\1-L1.0_PLANTING.dwg 6-06-22 08:44:53 AM CA041239



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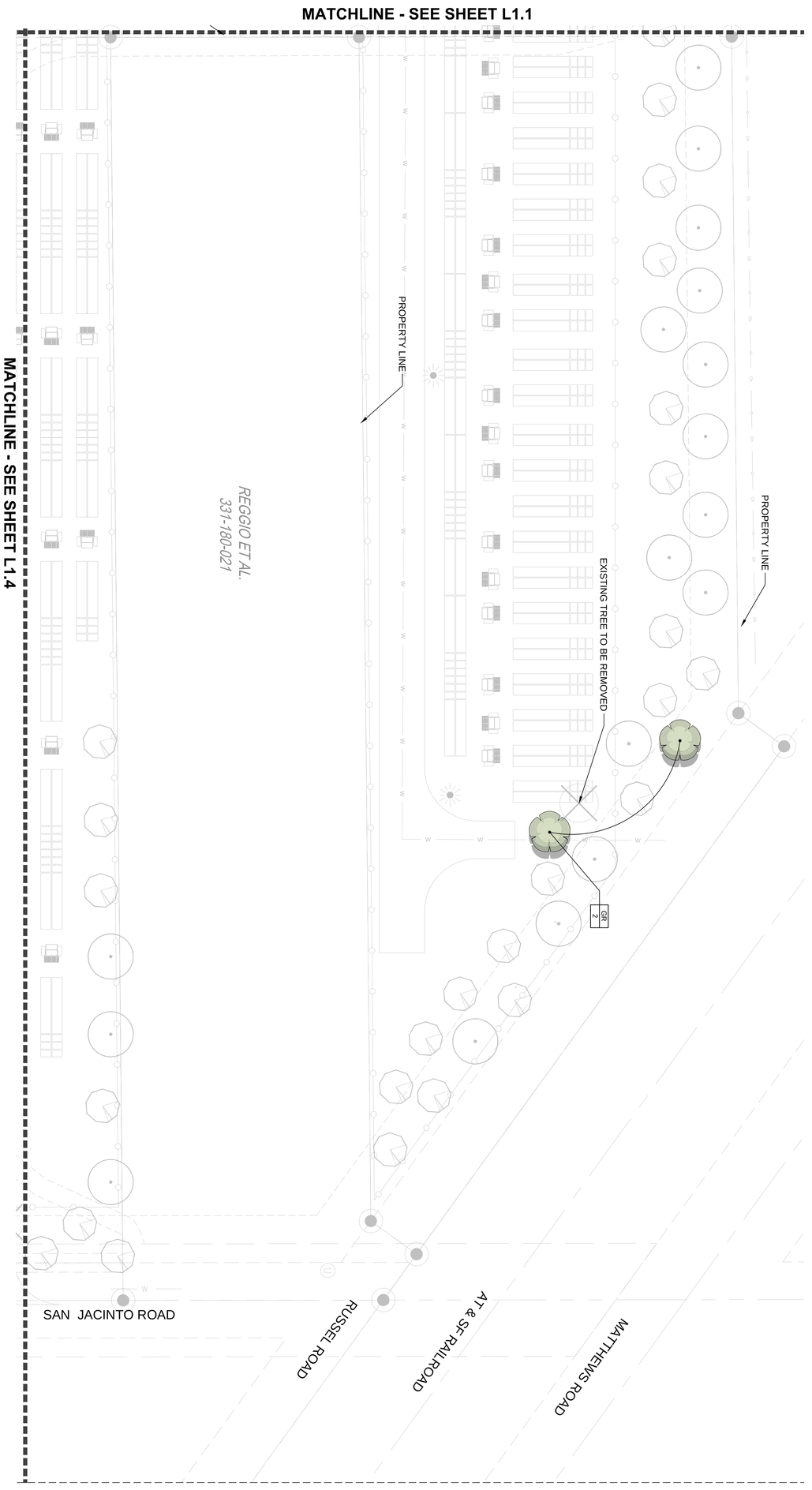
SCALE: 1" = 30'

PROJECT NO: D3621500	LANDSCAPE PLAN FOR NOVA POWER BANK PLANTING PLAN	Jacobs 1301 N. GREEN VALLEY PARKWAY, SUITE 200 HENDERSON, NV 89074 PHONE (702) 953-1262	DATE: June 6, 2022
L1.1	COUNTY OF RIVERSIDE CALIFORNIA		SCALE: H: V:
SHEET OF XX			DRAWN BY: T.TAKENAKA
			DESIGNED BY: C.CAMERON
			CHECKED BY: L.CYRA-KORSGAARD

REV	DESCRIPTION	BY	DATE
1	PLANNING SUBMITTAL		6/6/22
		APPROVED	

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CONCEPTUAL NOT FOR CONSTRUCTION



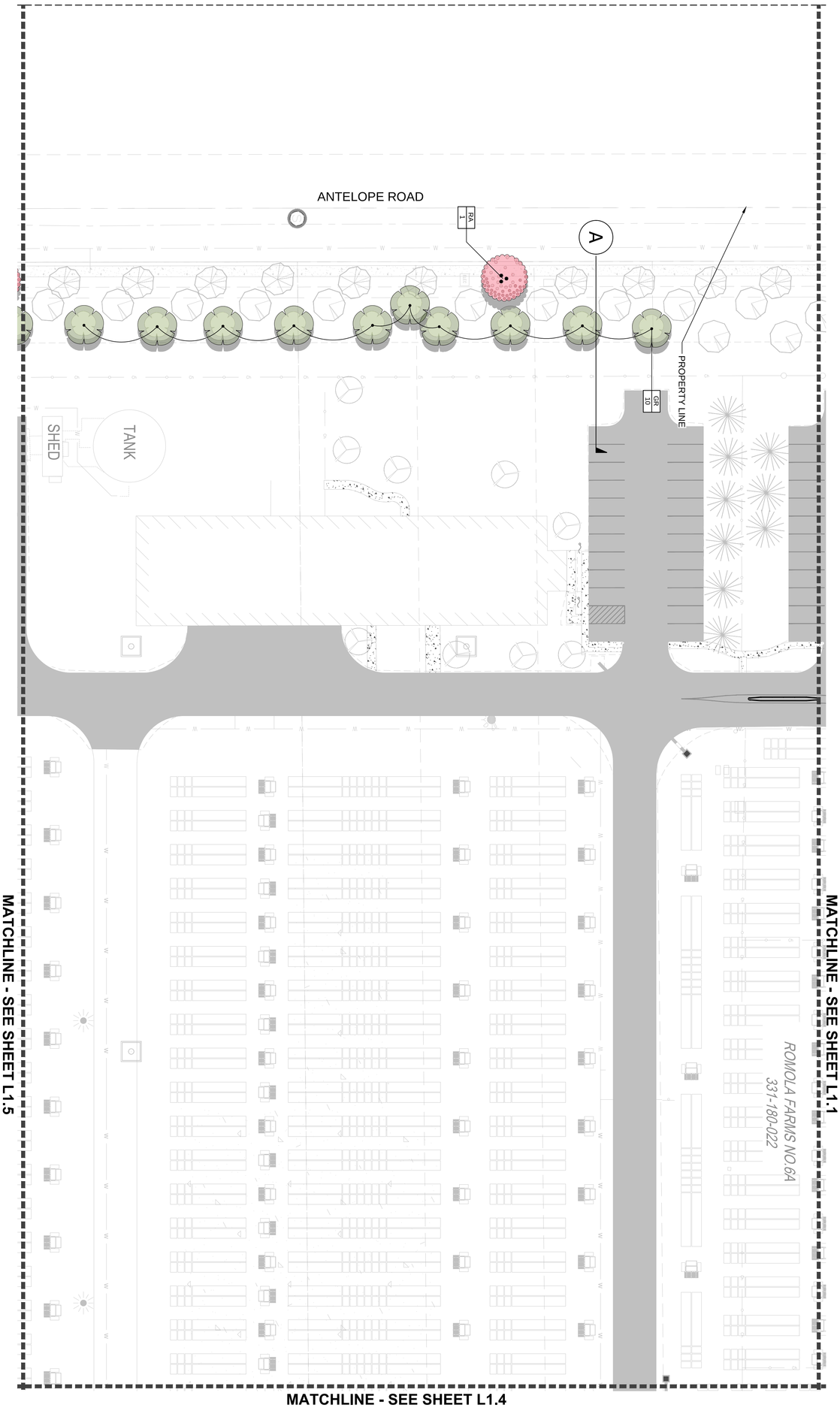
SCALE: 1" = 30'
0 15 30 60 120

PROJECT NO: D3621500	LANDSCAPE PLAN FOR NOVA POWER BANK PLANTING PLAN	Jacobs 1301 N. GREEN VALLEY PARKWAY, SUITE 200 HENDERSON, NV 89074 PHONE (702) 953-1262
L1.2	COUNTY OF RIVERSIDE CALIFORNIA	DATE: June 6, 2022 SCALE: H: V: DRAWN BY: T.TAKENAKA DESIGNED BY: C.CAMERON CHECKED BY: L.CYRA-KORSGAARD
SHEET OF XX		

REV	DESCRIPTION	BY	DATE APPROVED
1	PLANNING SUBMITTAL		6/6/22

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CONCEPTUAL NOT FOR CONSTRUCTION



SCALE: 1" = 30'

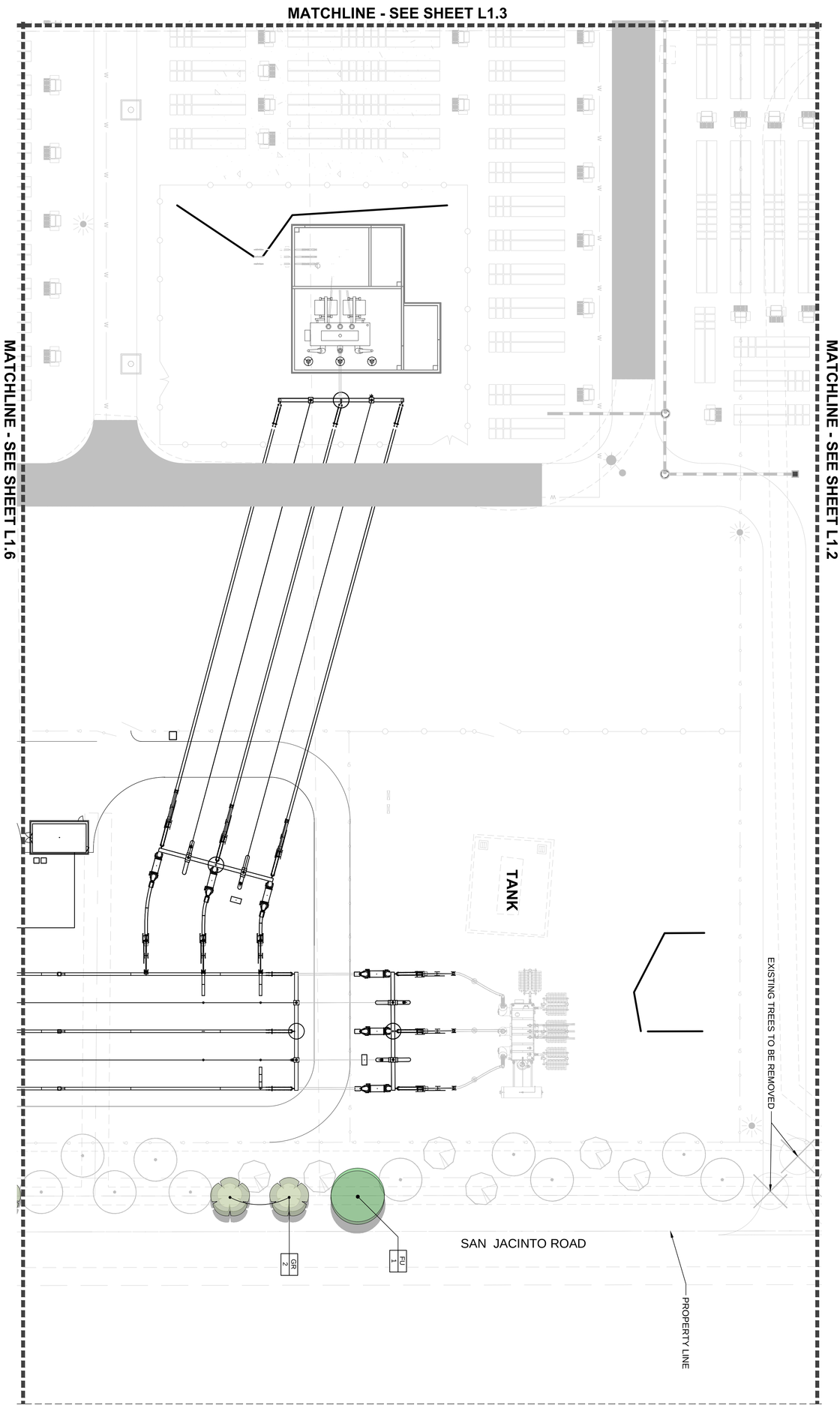
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PROJECT NO: D3621500	LANDSCAPE PLAN FOR NOVA POWER BANK PLANTING PLAN	Jacobs 1301 N. GREEN VALLEY PARKWAY, SUITE 200 HENDERSON, NV 89074 PHONE (702) 953-1262	DATE: June 6, 2022
L1.3			SCALE: H: V:
SHEET OF XX	COUNTY OF RIVERSIDE CALIFORNIA		DRAWN BY: T.TAKENAKA
			DESIGNED BY: C.CAMERON
			CHECKED BY: L.CYRA-KORSGAARD

REV	DESCRIPTION	BY	DATE
1	PLANNING SUBMITTAL		6/6/22
		APPROVED	

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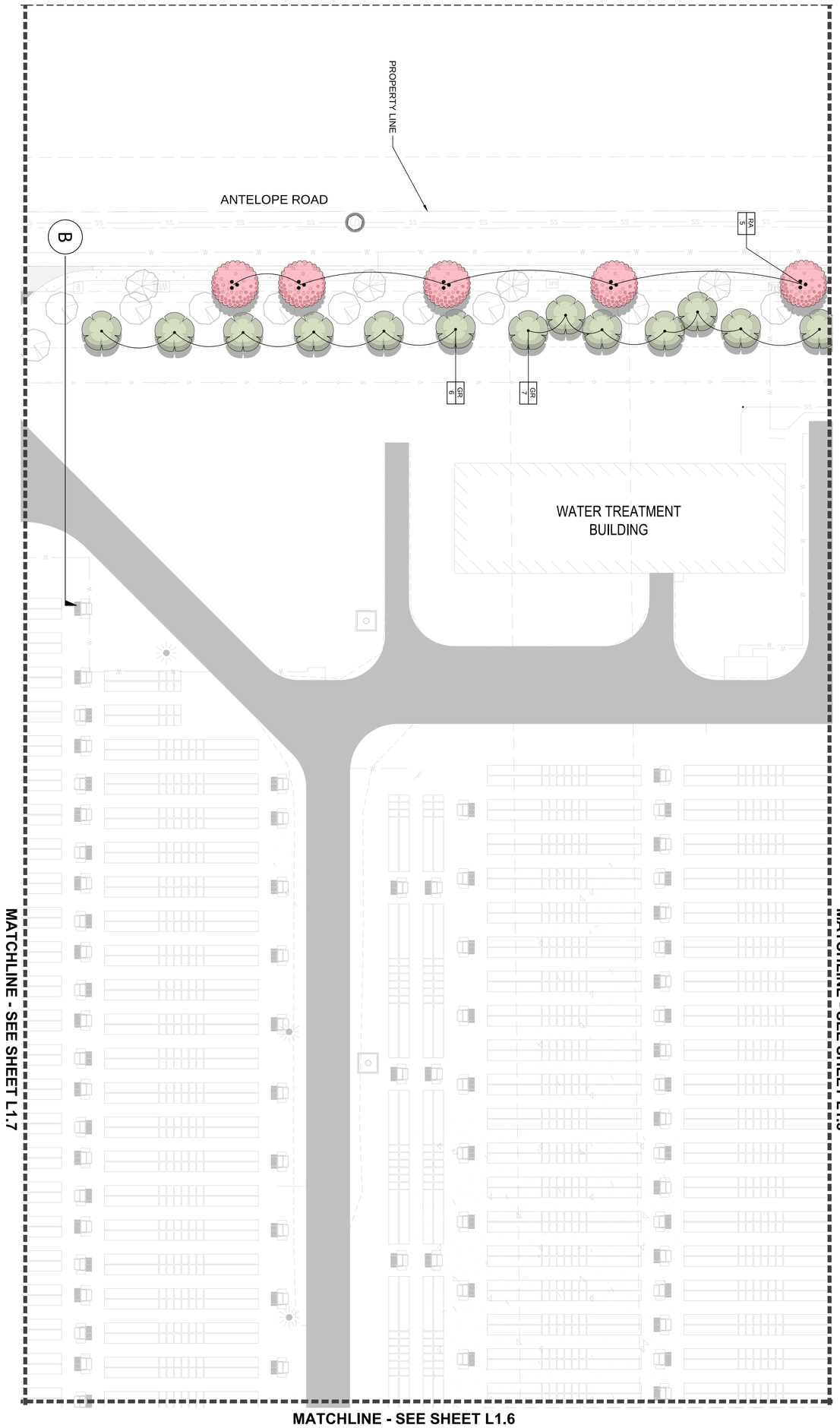
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PROJECT NO: D3621500	LANDSCAPE PLAN FOR NOVA POWER BANK PLANTING PLAN	Jacobs 1301 N. GREEN VALLEY PARKWAY, SUITE 200 HENDERSON, NV 89074 PHONE (702) 953-1262
L1.4	COUNTY OF RIVERSIDE CALIFORNIA	DATE: June 6, 2022 SCALE: H: V: DRAWN BY: T.TAKENAKA DESIGNED BY: C.CAMERON CHECKED BY: L.CYRA-KORSGAARD
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CONCEPTUAL NOT FOR CONSTRUCTION



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SCALE: 1" = 30'

PROJECT NO: D3621500		LANDSCAPE PLAN FOR NOVA POWER BANK PLANTING PLAN	Jacobs 1301 N. GREEN VALLEY PARKWAY, SUITE 200 HENDERSON, NV 89074 PHONE (702) 953-1262
L1.5			
SHEET OF XX		COUNTY OF RIVERSIDE CALIFORNIA	

DATE: June 6, 2022
SCALE: H: V:
DRAWN BY: T.TAKENAKA
DESIGNED BY: C.CAMERON
CHECKED BY: L.CYRA-KORSGAARD

REV	DESCRIPTION	BY	DATE
1	PLANNING SUBMITTAL		6/6/22
		APPROVED	

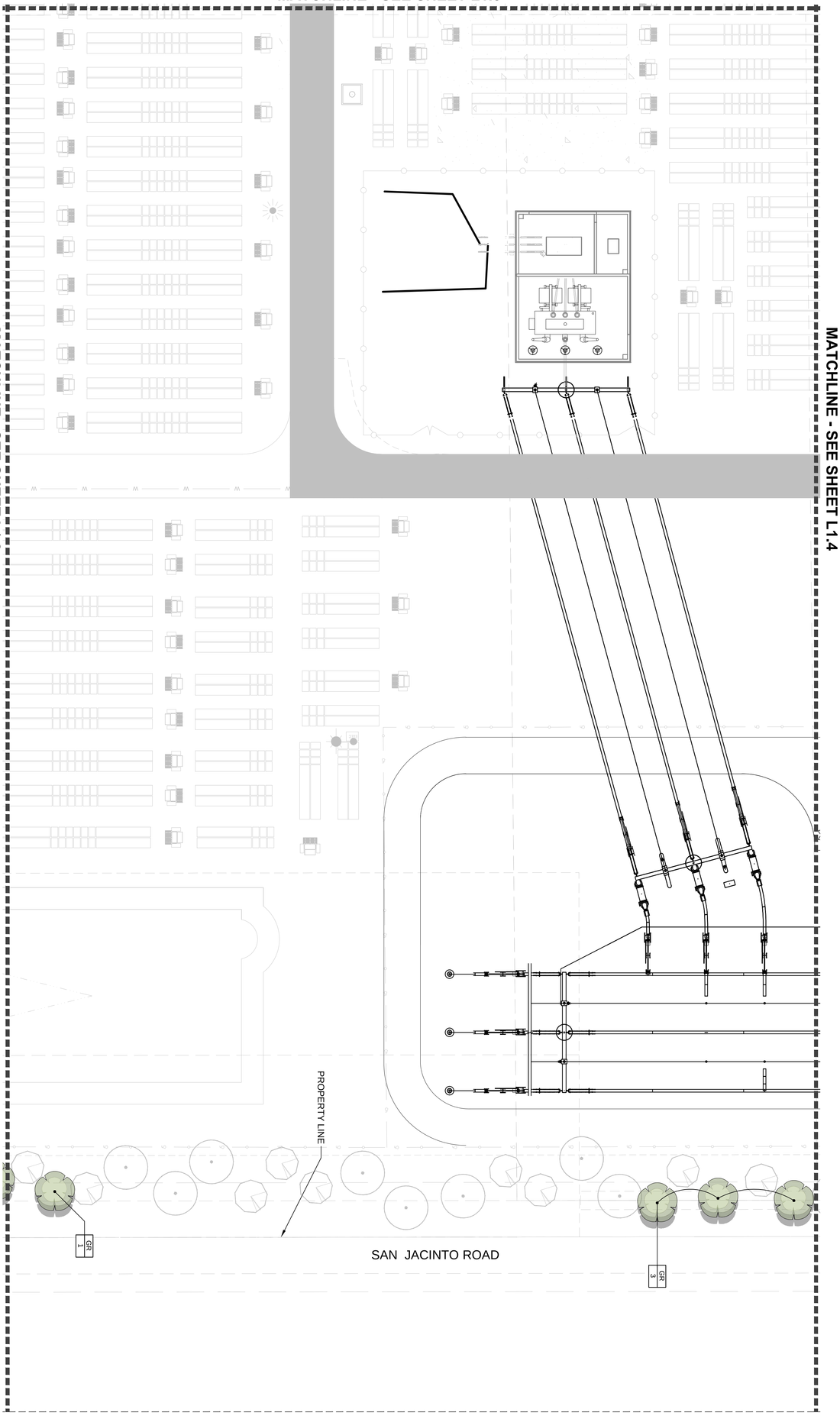
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MATCHLINE - SEE SHEET L1.5

MATCHLINE - SEE SHEET L1.8

MATCHLINE - SEE SHEET L1.4



SCALE: 1" = 30'

0 15 30 60 120

PROJECT NO:	D3621500
	L1.6
SHEET	OF XX

LANDSCAPE PLAN FOR
NOVA POWER BANK
PLANTING PLAN
COUNTY OF RIVERSIDE CALIFORNIA

Jacobs
1301 N. GREEN VALLEY PARKWAY, SUITE 200
HENDERSON, NV 89074
PHONE (702) 953-1262

DATE: June 6, 2022
SCALE: H: V:
DRAWN BY: T.TAKENAKA
DESIGNED BY: C.CAMERON
CHECKED BY: L.CYRA-KORSGAARD

REV	DESCRIPTION	BY	DATE APPROVED
1	PLANNING SUBMITTAL		6/6/22

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CONCEPTUAL NOT FOR CONSTRUCTION

MATCHLINE - SEE SHEET L1.5

ANTELOPE ROAD

GR 1

RA 3

STORM WATER
RETENTION BASIN

GR 5

FU 1

GR 1

MATCHLINE - SEE SHEET L1.8

STORM WATER CHANNEL

PROPERTY LINE

0 15 30 60 120

SCALE: 1" = 30'

CONCEPTUAL NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
1	PLANNING SUBMITTAL		6/6/22
		APPROVED	

DATE: June 6, 2022
SCALE: H: V:
DRAWN BY: T.TAKENAKA
DESIGNED BY: C.CAMERON
CHECKED BY: L.CYRA-KORSGAARD

Jacobs
1301 N. GREEN VALLEY PARKWAY, SUITE 200
HENDERSON, NEVADA 89074
PHONE (702) 953-1262

LANDSCAPE PLAN FOR
NOVA POWER BANK
PLANTING PLAN

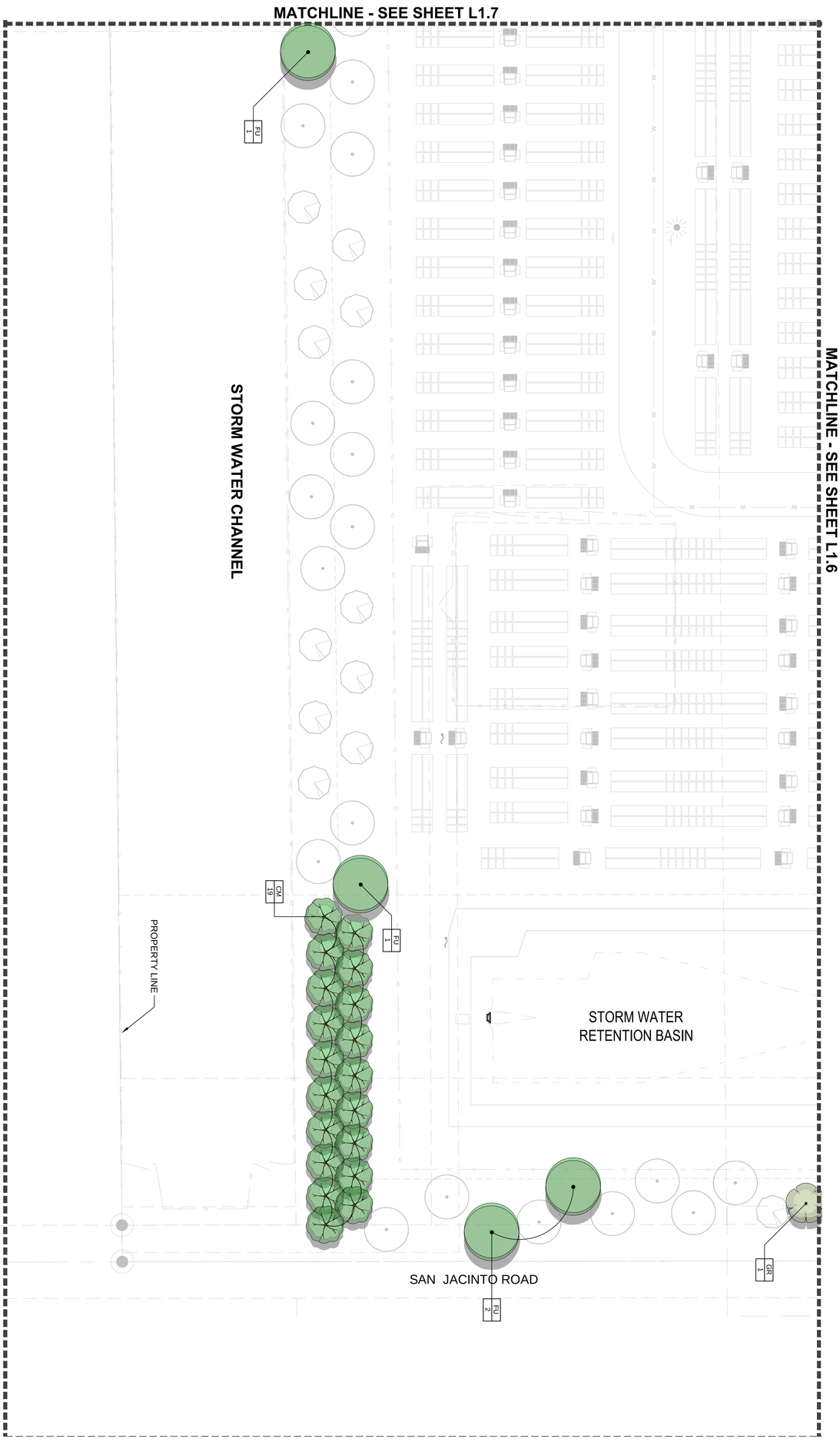
COUNTY OF RIVERSIDE CALIFORNIA

PROJECT NO: D3621500

L1.7

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PROJECT NO: D3621500	LANDSCAPE PLAN FOR NOVA POWER BANK PLANTING PLAN	Jacobs 1301 N. GREEN VALLEY PARKWAY, SUITE 200 HENDERSON, NV 89074 PHONE (702) 953-1262	DATE: June 6, 2022
L1.8	COUNTY OF RIVERSIDE CALIFORNIA		SCALE: H: V:
SHEET OF XX			DRAWN BY: T.TAKENAKA
			DESIGNED BY: C.CAMERON
			CHECKED BY: L.CYRA-KORSGAARD

REV	DESCRIPTION	BY	DATE APPROVED
1	PLANNING SUBMITTAL		6/6/22

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CONCEPTUAL NOT FOR CONSTRUCTION

Appendix 3: Soils Information

Geotechnical Study and Other Infiltration Testing Data

Geotechnical Engineering Report

Inland Empire Energy Center
Menifee, Riverside County, California
May 14, 2021
Terracon Project No. 60205266

Prepared for:
Calpine Corporation
Dublin, California

Prepared by:
Terracon Consultants, Inc.
Tustin, California

May 14, 2021

Calpine Corporation
4160 Dublin Boulevard, Suite #100
Dublin, California 94568

Attn: Mr. Vivek Vig, P.E.
P: (760) 409-4309
E: vivek.vig@calpine.com

Re: Geotechnical Engineering Report
Inland Empire Energy Center
26226 Antelope Road
Menifee, Riverside County, California
Terracon Project No. 60205266

Dear Mr. Vig:

We have completed the Geotechnical Engineering services for the above referenced project. This study was performed in general accordance with Terracon Proposal No. P60205266, revision dated February 23, 2021. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations, infiltration systems, and pavements for the proposed project.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,
Terracon Consultants, Inc.

Victor V. Nguyen, E.I.T.
Staff Engineer

Scott G. Lawson, P.E., G.E.
Senior Engineer

APR review provided by F. Fred Buhamdan, P.E.

REGISTERED PROFESSIONAL ENGINEER
SCOTT G. LAWSON
No. GE 2929
Exp. 9/30/21
GEOTECHNICAL
STATE OF CALIFORNIA

REPORT TOPICS

INTRODUCTION 1
SITE CONDITIONS 2
PROJECT DESCRIPTION 2
GEOTECHNICAL CHARACTERIZATION 3
SEISMIC CONSIDERATIONS 5
LIQUEFACTION AND DRY SEISMIC SETTLEMENT ANALYSIS 6
CORROSIVITY 7
STORMWATER MANAGEMENT 8
GEOTECHNICAL OVERVIEW 9
EARTHWORK 10
MAT FOUNDATIONS 15
LATERAL EARTH PRESSURES 16
PAVEMENTS 17
ACCESS ROADWAYS 19
GENERAL COMMENTS 21

ATTACHMENTS

EXPLORATION AND TESTING PROCEDURES
SITE LOCATION AND EXPLORATION PLANS
EXPLORATION RESULTS (Boring Logs and Laboratory Data, Cone Penetration Test Data, In-Situ Electrical Resistivity Results)
SUPPORTING INFORMATION (Dry Seismic Settlement Analyses, General Notes and Unified Soil Classification System)

Geotechnical Engineering Report

Inland Empire Energy Center
26226 Antelope Road
Menifee, Riverside County, California

Terracon Project No. 60205266
May 14, 2021

INTRODUCTION

This report presents the results of our subsurface exploration and geotechnical engineering services performed for the proposed new Energy Storage Systems facility to be located at 26226 Antelope Road in Menifee, Riverside County, California. The purpose of these services is to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Site preparation and earthwork
- Infiltration Design and Considerations
- Foundation design and construction
- Seismic site classification per CBC
- Pavement design and construction

The geotechnical engineering Scope of Services for this project included the advancement of 21 test borings to depths ranging from approximately 4½ to 61½ feet below existing site grades (bgs). Four of these borings were utilized for percolation testing from approximate depths of 6½ to 11½ feet bgs. Boring B-6 was terminated at 4½ feet bgs due to an unknown concrete structure encountered at the termination depth. An offset boring was conducted, and the same concrete obstruction was encountered. Boring B-7 was terminated at 14 feet due to auger refusal likely associated with an unknown concrete structure at 14 feet bgs. In addition, four cone penetration tests (CPT) were pushed to approximate depths ranging from 4 to 77 feet bgs. Tip refusal was encountered at 4 feet bgs in CPT-4. The location was offset (CPT-4A) and tip refusal was encountered again at 5 feet bgs. Tip refusal was encountered in CPT-1 at 77 feet bgs. Three field electrical resistivity tests were also performed as part of the field exploration program.

Maps showing the site and boring locations are shown in the **Site Location** and **Exploration Plan** sections, respectively. The results of the laboratory testing performed on soil samples obtained from the site during the field exploration are included on the boring logs and as separate graphs in the **Exploration Results** section.

Field resistivity test locations and results are presented in our **Exploration Plan** and **Exploration Results** sections, respectively.

SITE CONDITIONS

The following description of site conditions is derived from our site visit in association with the field exploration and our review of publicly available geologic and topographic maps.

Item	Description
Parcel Information	The project site is located at 26226 Antelope Road in Menifee, Riverside County, California within an existing power plant facility in the process of decommissioning. Approximate coordinates for the center of the site are 33.7386°N, 117.1695°W
Existing Improvements	The project site is within the existing Inland Empire Energy Center. The facility previously included numerous above ground tanks, turbines, cooling towers, vents and other ancillary equipment and buildings. The decommissioning has included the demolition/removal of multiple equipment at the site. However, portions of the site and certain foundations are being left in place. The attached Site Location and Exploration Plans illustrate our understanding of these different areas which were provided by CalPine.
Current Ground Cover	Site groundcover consists of exposed soil, exposed foundations, gravel and asphalt roads.
Existing Topography	The project site is relatively flat with approximate elevations from 1441 to 1456 feet above mean sea level (MSL).

PROJECT DESCRIPTION

Item	Description
Provided Documents	Terracon was provided the following documents: ■ Final Amended Geotechnical Report for Inland Empire Energy Center in Romoland, California prepared by GZA GeoEnvironmental, Inc. dated April 2005. ■ As-Built Utility Report, prepared for the Inland Empire Energy Center Demolition Project, prepared by ATC (An Atlas Company), dated March 22, 2021.
Proposed Improvements	The project will include the installation of Energy Storage Systems. We assume these systems will be comprised of transformers, inverters, and battery units supported on mat foundations. The foundations for the HRSG, HRSG stack and Generator Transformer Step up will remain in place. However, it is our assumption that no future systems are planned to be supported on these foundations. Our scope of work does not include assessing these foundations which will be left in place. Details regarding the proposed foundations for the new Energy Storage Systems were not provided at the time of this report. Terracon should be notified and provided such information if proposed foundations differ from what is assumed in this report.

Item	Description
Construction	Battery units and associated electrical equipment are assumed to be supported on new mat foundations.
Finished Floor Elevation	Assumed to be within one foot of existing grade.
Maximum Loads	Not provided.
Grading	Minimal cut/fill – assumed to be less than one foot.
Infiltration Systems	Details regarding infiltration systems were not provided at the time this report was prepared. Based on our discussions with the client, it is our understanding that shallow infiltration systems consisting of detention basins may be planned along the southwestern and southeastern portions of the site.
Pavements	It is our understanding that new pavements will be constructed and are included in this project.
Traffic Loading	We assume both rigid (concrete) and flexible (asphalt) pavement sections should be considered. In addition, we understand that aggregate surface roads are also proposed within the facility. Assumed traffic for rigid and flexible pavement are as follows: ■ Automobile Parking Area: Traffic Index of 4.5 ■ Driving Lanes: Traffic Index of 5.5 ■ Fire Truck Drive Lanes and Loading Areas: Traffic Index of 6.5 Terracon should be notified if higher traffic loading is anticipated.

GEOTECHNICAL CHARACTERIZATION

We have developed a general characterization of the subsurface soil and groundwater conditions based upon our review of the data and our understanding of the geologic setting and planned construction. The following table provides our geotechnical characterization.

The geotechnical characterization forms the basis of our geotechnical calculations and evaluation of site preparation and foundation options. As noted in **General Comments**, the characterization is based upon widely spaced exploration points across the site, and variations are likely.

Stratum	Approximate Depth to Bottom of Stratum (feet)	Material Description	Consistency
FILL[1]	4 to 14	Sand with varying amounts of silt, clay, and gravel	Medium dense to dense
1[2]	5 to 21½	Sand with varying amounts of silt, clay, and gravel	Medium dense to very dense
2	20 to 31½	Sandy and silty clay, and silt with varying amounts of sand	Very stiff to hard
3[3]	21 to 40	Sand with varying amounts of silt and clay	Dense to very dense
4	31½ to 45	Silty clay with varying amounts of sand, silt with varying amounts of sand	Stiff to hard
5	55	Silty sand	Dense to very dense
6	61.5	Sandy silty clay, sandy silt	Very stiff to hard
7	77 (CPT termination)	Sand with varying amounts of silt with interbedded layers of sandy silt	N/A

1. Borings B-6 and B-12 encountered 4 feet of fill; boring B-7 encountered 14 feet of fill.
2. Loose clayey sands encountered in P-3 at 2½ feet bgs.
3. Medium dense clayey sand layer encountered in B-5 at 20 feet bgs.

Conditions encountered at each boring location are indicated on the individual boring logs shown in the **Exploration Results** section and are attached to this report. Stratification boundaries on the boring logs represent the approximate location of changes in native soil types; in situ, the transition between materials may be gradual.

Lab Results

Laboratory tests were conducted on selected soil samples and the test results are presented in the **Exploration Results** section and on the boring logs. Atterberg limit test results indicate that the on-site soils generally have low plasticity or are non-plastic. Consolidation testing indicates that the on-site soils encountered at an approximate depth of 5 feet bgs have a negligible to low collapse potential when saturated under normal footing loads of 2,000 psf. An expansion index (EI) test performed on a sample from boring B-3 at an approximate depth of 1 to 3½ feet bgs resulted in an EI value of 14. Direct Shear tests performed on samples taken at depths of 5 and 7½ feet bgs in borings B-10 and B-1 indicate these soils have a cohesion of 970 and 920 psf and effective friction angle of 40 and 33 degrees, respectively. A modified Proctor test performed on a sample collected an approximate depth of 1 to 3½ feet bgs in B-5 indicated a maximum dry density of 134.2 pcf and corresponding optimum moisture content of 8.1 percent.

Thermal Resistivity Testing

Terracon subcontracted Geotherm USA to perform the laboratory thermal resistivity testing on soil samples obtained from B-5 and B-9 at an approximate depth of 1 to 3 feet bgs. To estimate thermal properties of the soils, the sample from B-5 was remolded to 90 percent relative compaction and moisture conditioned to the optimum moisture content as determined by ASTM Standard D1557. The sample from B-9 was tested at the density of an undisturbed soil sample collected at the same depth. Thermal testing was performed in accordance with the IEEE Standard (IEEE-442).

We recommend that the thermal resistivity results be discussed with an electrical design team to determine the influence on underground equipment and backfill materials. The laboratory thermal resistivity test results are provided in **Exploration Results**.

Field Soil Resistivity Test

Field measurements of soil resistivity were performed in general accordance with ASTM Test Method G57-06 using the Wenner Four-Electrode Method. Two perpendicular arrays were performed at each of the three locations selected by the client with A-spacings of 2, 4, 6, 8, 10, 20, 40, and 80 feet and corresponding probe depths of 6 inches. Field resistivity test locations and results are presented in our **Exploration Plan** and **Exploration Results** sections, respectively.

Groundwater

Groundwater was not observed in the borings while drilling, or for the short duration the boring remained open, to the maximum depth explored of 61 feet bgs. These observations represent groundwater conditions at the time of the field exploration and may not be indicative of other times, or at other locations.

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

Based on review of previous borings in the April 2005 report by GZA, groundwater was encountered at the site at depths ranging from 72 to 80 feet bgs.

SEISMIC CONSIDERATIONS

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure.

The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7-16.

Description	Value
2019 California Building Code Site Classification (CBC) [1]	C [2]
Site Latitude °N	33.7386
Site Longitude °W	117.1695
S_s Spectral Acceleration for a 0.2-Second Period	1.422 g
S_1 Spectral Acceleration for a 1-Second Period	0.529 g
F_a Site Coefficient for a 0.2-Second Period	1.2
F_v Site Coefficient for a 1-Second Period	1.471

1. Seismic site classification in general accordance with the *2019 California Building Code*.
2. The 2019 California Building Code (CBC) requires a site soil profile determination extending to a depth of 100 feet for seismic site classification. The shear wave velocity was estimated based on shear wave velocity measurements performed in CPT-1 to an approximate depth of 77 feet bgs, and review of P-S Suspension Logging data provided in the April 2005 report by GZA.

Faulting and Estimated Ground Motions

The site is located in southern California, which is a seismically active area. The type and magnitude of seismic hazards affecting the site are dependent on the distance to causative faults, the intensity, and the magnitude of the seismic event. As calculated using the USGS Unified Hazard Tool, the San Jacinto Fault, which is considered to have the most significant effect at the site from a design standpoint, has a maximum credible earthquake magnitude of 8.0 and is located approximately 17.7 kilometers from the site.

Based on the USGS Design Maps Summary Report, using the American Society of Civil Engineers (ASCE 7-16) standard, the peak ground acceleration (PGA_M) at the project site is expected to be 0.6g. Based on the USGS Unified Hazard Tool, the project site has a mean magnitude of 7.1. Furthermore, the site is not located within an Alquist-Priolo Earthquake Fault Zone based on our review of the State Fault Hazard Maps.[1]

LIQUEFACTION AND DRY SEISMIC SETTLEMENT ANALYSIS

Liquefaction is a mode of ground failure that results from the generation of high pore water pressures during earthquake ground shaking, causing loss of shear strength. Liquefaction is

[1] California Geological Survey (CGS), https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/.

typically a hazard where loose sandy soils exist below groundwater. The California Geological Survey (CGS) has designated certain areas as potential liquefaction hazard zones. These are areas considered at a risk of liquefaction-related ground failure during a seismic event, based upon mapped surficial deposits and the presence of a relatively shallow water table.

The site is located within a low severity liquefaction zone as determined by the County of Riverside. Based on the County of Riverside, and the anticipated depth to groundwater, liquefaction potential at the site is considered low. As such, other geologic hazards related to liquefaction, such as lateral spreading, are also considered low.

A dry seismic settlement analysis for the site was performed in general accordance with the DMG Special Publication 117. The seismic settlement analysis utilized the software "LiquefyPro" by CivilTech Software and CPT-2 and 3. A site modified maximum Peak Ground Acceleration (PGA) of 0.6 g. The mean magnitude of 7.1 for the project site was used. Calculations and fines correction utilized the Modified Robertsons Method and Stark/Olson method, respectively.

Based on calculation results, seismically induced settlement of dry sands is estimated to be approximately ¼ inch with differential settlement less than ¼ inch. The detailed analyses results are attached to this report in **Supporting Documents** section of the **Appendix**.

CORROSIVITY

The table below lists the results of laboratory soluble sulfate, soluble chloride, electrical resistivity, and pH testing. The values may be used to estimate potential corrosive characteristics of the on-site soils with respect to contact with the various underground materials which will be used for project construction.

Corrosivity Test Results Summary									
Boring	Sample Depth (ft)	Soil Description	Soluble Sulfate (%)	Sulfides (ppm)	Chlorides (ppm)	Red-Ox Potential (mV)	Electrical Resistivity (Ω-cm)	Total Salts (ppm)	pH
B-3	1-3.5	Silty clayey sand	<0.01	Nil	140	+683	194	2,050	8.12
B-5	1-3.5	Poorly graded sand with silt	0.02	Nil	70	+689	3,783	290	7.62
B-9	1-4	Silty Sand	0.03	Nil	160	+685	1,164	1,355	8.30

Results of soluble sulfate testing indicate samples of the on-site soils tested possess negligible sulfate concentrations when classified in accordance with Table 19.3.1.1 of the ACI Design Manual. Concrete should be designed in accordance with the exposure class S0 provisions of the ACI Design Manual, Section 318, Chapter 19.

Refer to the Summary of Laboratory Results in **Exploration Results** for the complete results of the corrosivity testing conducted in conjunction with this geotechnical exploration. Corrosion engineer should be consulted to further evaluate corrosive potential of the on-site soils to concrete and underground ferrous metals.

STORMWATER MANAGEMENT

Four (4) in-situ percolation tests were performed to approximate depths of 6½ and 11½ feet bgs. A 2-inch thick layer of gravel was placed in the bottom of each boring after the borings were drilled to investigate the soil profile. A 3-inch diameter perforated pipe was installed on top of the gravel layer in each boring. Gravel was used to backfill between the perforated pipes and the boring sidewall. The borings were then filled with water for a pre-soak period. Testing began after a pre-soak period. At the beginning of the test, the pipes were refilled with water and readings were taken at standardized time intervals. Percolation rates are provided in the following table:

TEST RESULTS				
Test Location (depth, feet bgs)	**Soil Classification**	**Slowest Measured Percolation Rate (in/hr.)**	**Correlated Infiltration Rate[1] (in/hr.)**	**Water Head (in)**
Perc-1 (0 - 6½)	Clayey sand	1.0	<0.1	71
Perc-2 (0 - 11½)	Silty sand and clayey sand	12.0	0.18	135
Perc-3 (0 - 6½)	Clayey sand	7.0	0.19	72
Perc-4 (0 - 11½)	Clayey sand and silty sand	8.0	0.12	132

[1]If proposed infiltration system will mainly rely on vertical downward seepage, the correlated infiltration rates should be used. The infiltration rates were correlated using the Porchet method.

With time, the bottoms of infiltration systems tend to plug with organics, sediments, and other debris. Long term maintenance will likely be required to remove these deleterious materials to help reduce decreases in actual percolation rates.

The percolation tests were performed with clear water, whereas the storm water will likely not be clear, but may contain organics, fines, and grease/oil. The presence of these deleterious materials will tend to decrease the rate that water percolates from the infiltration systems. Design of the stormwater infiltration systems should account for the presence of these materials and should incorporate structures/devices to remove these deleterious materials. A safety factor should be applied to these measured rates.

Based on the soils encountered in our borings, we expect the percolation rates of the soils could be different than measured in the field due to variations in fines and gravel content. The design elevation and size of the proposed infiltration system should account for this expected variability in infiltration rates.

Infiltration testing should be performed after construction of the infiltration system to verify the design infiltration rates. It should be noted that siltation and vegetation growth along with other factors may affect the infiltration rates of the infiltration areas. The actual infiltration rate may vary from the values reported here. Infiltration systems should be located a minimum of 10 feet from any existing or proposed foundation system.

GEOTECHNICAL OVERVIEW

The site appears suitable for the proposed construction based upon geotechnical conditions encountered in the test borings, provided that the recommendations provided in this report are implemented in the design and construction phases of this project.

Fill materials were encountered to an approximate depth of 4 feet bgs in borings B-6 and B-12. Boring B-7 encountered fill material to a depth of approximately 14 feet. Fill material and buried obstructions may be present in other areas on-site. The fill materials were likely placed as part of the grading of the original Inland Empire Energy Center and subsequent demolition of some of those structures to make space for the currently proposed project. The estimated depth of fill materials should not be considered exact due to the similarity of lithology and color of the graded materials and native soils. The fill soils consisted of medium dense to dense sand with varying amounts of silt, clay, and gravel. Terracon does not have any documentation of observation or compaction testing performed during the grading operations. If such documentation exists, Terracon should be notified and the recommendations in this report may be appropriately modified.

The proposed battery units and associated transformers and inverters can be supported on mat foundations systems.

Mat foundations should bear on engineered fill extending to a minimum depth of 2-feet below the bottom of foundations. In areas of undocumented fill, the undocumented fill should be removed and replaced with engineered fill, unless documentation of fill placement were provided for our review. Grading for the proposed mat foundations should incorporate the limits of the foundation plus a lateral distance of 2 feet beyond the edge of the perimeter of foundations. Localized deeper removals may be needed where soft soils at encountered at the excavation bottom.

The recommendations contained in this report are based upon the results of field and laboratory testing (presented in the **Exploration Results** section), engineering analyses, and our current understanding of the proposed project.

The **General Comments** section provides an understanding of the report limitations.

EARTHWORK

The following recommendations include site preparation, excavation, subgrade preparation and placement of engineered fills on the project. The recommendations presented for design and construction of earth supported elements including foundations and slabs are contingent upon following the recommendations outlined in this section.

Earthwork on the project should be observed and evaluated by Terracon. The evaluation of earthwork should include observation and testing of engineered fill, subgrade preparation, foundation bearing soils, and other geotechnical conditions exposed during the construction of the project.

Site Preparation

Strip and remove existing vegetation, debris, pavements, and other deleterious materials from proposed structural and pavement areas. Exposed surfaces should be free of mounds and depressions which could prevent uniform compaction. The site should be initially graded to create a relatively level surface to receive fill and provide for a relatively uniform thickness of fill beneath proposed structures.

The decommissioning of the previous facility has included the demolition/removal of multiple equipment at the site. However, portions of the site and certain foundations are being left in place. Further demolition of existing structures should include the removal of all foundation systems and remaining underground utilities within the outline of the proposed new foundation areas. This should include removal of any loose backfill found adjacent to existing foundations. All materials derived from the demolition of existing structures and pavements should be removed from the site and not be allowed for use as on-site fill, unless processed in accordance with the fill requirements included in this report.

Subgrade Preparation

Mat foundations should bear on engineered fill extending to a minimum depth of 2-feet below the bottom of foundations. In areas of undocumented fill, the undocumented fill should be removed and replaced with engineered fill. Grading for the proposed mat foundation should incorporate the limits of the foundation plus a lateral distance of 2 feet beyond the edge of the perimeter of foundations. Localized deeper removals may be needed where soft soils at encountered at the excavation bottom.

Subgrade soils beneath pavements should be scarified, moisture conditioned, and compacted to a minimum depth of 10 inches. The moisture content and compaction of subgrade soils should be maintained until pavement construction.

Exposed areas which will receive fill, once properly cleared and benched where necessary, should be scarified to a minimum depth of 10 inches, moisture conditioned, and compacted per the compaction requirements in this report. In the event the demolition activities result in disturbance of deeper soils, the subgrade preparation and compaction should extend to the depth of undisturbed soils.

Support of structures and pavements on or above existing fill materials is discussed in this report. However, even with the recommended construction testing services, there is an inherent risk for the owner that compressible fill or unsuitable material within or buried by the fill will not be discovered. This risk of unforeseen conditions cannot be eliminated without completely removing the existing fill, but can be reduced by performing additional testing and evaluation.

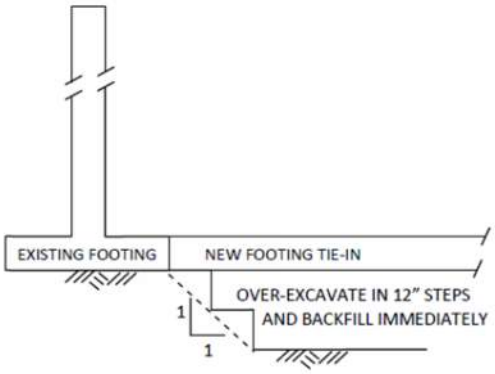
Based upon the subsurface conditions determined from the geotechnical exploration, subgrade soils exposed during construction are anticipated to be relatively workable. However, the workability of the subgrade may be affected by precipitation, repetitive construction traffic or other factors. If unworkable conditions develop, workability may be improved by scarifying and drying.

Excavation

It is anticipated that excavations for the proposed construction can be accomplished with conventional earthmoving equipment.

The bottom of excavations should be thoroughly cleaned of loose soils and disturbed materials prior to backfill placement and/or construction.

Where new foundations constructed adjacent to the existing foundations, there is a risk that the bearing material could become undermined and/or overstressed due to overlapping stresses. Provisions should be made during construction to prevent undermining or disturbing the soils supporting the existing foundations. Excavations should not extend below an imaginary 1H:1V inclined plane projecting below the bottom edge of any adjacent existing foundations as shown in the figure to the right.



Maintaining a sufficient clear distance between new and existing foundations will reduce the potential for increased bearing stresses and additional foundation settlement. Connections between the existing building and the new addition should allow for some differential movement.

Onsite soils partially consist of cohesionless sandy soils. Such soils have the tendency to cave and slough during excavations. Therefore, formwork may be needed for foundation excavations.

Individual contractors are responsible for designing and constructing stable, temporary excavations. Excavations should be sloped or shored in the interest of safety following local, and federal regulations, including current OSHA excavation and trench safety standards.

Fill Materials and Placement

All fill materials should be inorganic soils free of vegetation, debris, and fragments larger than 6 inches in size. Pea gravel or other similar non-cementitious, poorly-graded materials should not be used as fill or backfill without the prior approval of the geotechnical engineer.

Clean on-site soils or approved imported materials may be used as fill material for the following:

- general site grading
- foundation areas
- exterior slab areas
- foundation backfill
- pavement areas

Imported soils for use as fill material within proposed building and structure areas should conform to low volume change materials as indicated in the following specifications:

Gradation	Percent Finer by Weight (ASTM C 136)
3”	100
No. 4 Sieve	50-100
No. 200 Sieve	10-40

- Liquid Limit ..... 30 (max)
- Plasticity Index ..... 15 (max)
- Maximum expansion index* ..... 20 (max)

*ASTM D 4829

The contractor shall notify the Geotechnical Engineer of import sources sufficiently ahead of their use so that the sources can be observed and approved as to the physical characteristic of the import material. For all import material, the contractor shall also submit current verified reports from a recognized analytical laboratory indicating that the import has a "not applicable" (Class S0) potential for sulfate attack based upon current ACI criteria and is "mildly corrosive" to ferrous metal and copper. The reports shall be accompanied by a written statement from the contractor that the laboratory test results are representative of all import material that will be brought to the job.

Engineered fill should be placed and compacted in horizontal lifts, using equipment and procedures that will produce recommended moisture contents and densities throughout the lift. Fill lifts should not exceed 10 inches loose thickness.

Compaction Requirements

Recommended compaction and moisture content criteria for engineered fill materials are as follows:

Material Type and Location	Per the Modified Proctor Test (ASTM D 1557)		
	Minimum Compaction Requirement	Range of Moisture Contents for Compaction Above Optimum	
		Minimum	Maximum
On-site soils and low volume change imported fill:			
Beneath foundations:	90	0%	+3%
Fill greater than 5 feet in depth	95	0%	+3%
Miscellaneous backfill:	90	0%	+3%
Beneath pavements:	95	0%	+3%
Utility Trenches*:	90	0%	+3%
Bottom of excavation receiving fill:	90	0%	+3%
Aggregate base (beneath pavements):	95	0%	+3%

* Upper 12 inches should be compacted to 95% within pavement and structural areas. Compaction requirement should be coordinated with the electrical engineer based on thermal resistivity results.

Grading and Drainage

Positive drainage should be provided during construction and maintained throughout the life of the development. Infiltration of water into utility trenches or foundation excavations should be prevented during construction. Planters and other surface features which could retain water in areas adjacent to the building or pavements should be sealed or eliminated. In areas where sidewalks or paving do not immediately adjoin the structure, we recommend that protective slopes be provided with a minimum grade of approximately 5 percent for at least 10 feet from perimeter walls. Backfill against footings, exterior walls, and in utility and sprinkler line trenches should be well compacted and free of all construction debris to reduce the possibility of moisture infiltration.

We recommend a minimum horizontal setback distance of 10 feet from the perimeter of any building and the high-water elevation of the nearest storm-water retention basin.

Roof drainage should discharge into splash blocks or extensions when the ground surface beneath such features is not protected by exterior slabs or paving. Sprinkler systems and landscaped irrigation should not be installed within 5 feet of foundation walls.

Sprinkler systems and landscaped irrigation should not be installed within 5 feet of foundation walls.

Utility Trenches

It is anticipated that the on-site soils and fill materials will provide suitable support for underground utilities and piping that may be installed. Any soft and/or unsuitable material encountered at the bottom of excavations should be removed and be replaced with an adequate bedding material. A non-expansive granular material with a sand equivalent greater than 30 should be used for bedding and shading of utilities, unless allowed or specified otherwise by the utility manufacturer.

On-site materials are considered suitable for backfill of utility and pipe trenches from one foot above the top of the pipe to the final ground surface, provided the material is free of organic matter and deleterious substances

Trench backfill should be mechanically placed and compacted as discussed earlier in this report. Compaction of initial lifts should be accomplished with hand-operated tampers or other lightweight compactors. Where trenches are placed beneath slabs or footings, the backfill should satisfy the gradation and expansion index requirements of engineered fill discussed in this report. Flooding or jetting for placement and compaction of backfill is not recommended.

Exterior Slab Design and Construction

Exterior slabs-on-grade, exterior architectural features, and utilities founded on, or in backfill may experience some movement due to the volume change of the backfill. To reduce the potential for damage caused by movement, we recommend:

- minimizing moisture increases in the backfill;
- controlling moisture-density during placement of backfill;
- using designs which allow vertical movement between the exterior features and adjoining structural elements;
- placing effective control joints on relatively close centers.

Construction Considerations

Upon completion of filling and grading, care should be taken to maintain the subgrade moisture content prior to construction of floor slabs. Construction traffic over the completed subgrade should be avoided to the extent practical. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. If the subgrade should become desiccated, saturated, or disturbed, the affected material should be removed, or these materials should be scarified, moisture conditioned, and recompacted prior to floor slab construction.

Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for

construction site safety, or the contractor's activities; such responsibility shall neither be implied nor inferred.

Construction Observation and Testing

The geotechnical engineer should be retained during the construction phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation, proof-rolling, placement and compaction of controlled compacted fills, backfilling of excavations to the completed subgrade.

The exposed subgrade and each lift of compacted fill should be tested, evaluated, and reworked as necessary until approved by the Geotechnical Engineer prior to placement of additional lifts. Each lift of fill should be tested for density and water content at a frequency of at least one test for every 2,500 square feet of compacted fill in the structural areas and 5,000 square feet in pavement areas. One density and water content test for every 50 linear feet of compacted utility trench backfill. This testing frequency criteria may be adjusted during construction as specified by the geotechnical engineer of record.

In areas of foundation excavations, the bearing subgrade should be evaluated under the direction of the Geotechnical Engineer. In the event that unanticipated conditions are encountered, the Geotechnical Engineer should prescribe mitigation options.

In addition to the documentation of the essential parameters necessary for construction, the continuation of the Geotechnical Engineer into the construction phase of the project provides the continuity to maintain the Geotechnical Engineer's evaluation of subsurface conditions, including assessing variations and associated design changes.

MAT FOUNDATIONS

If the site has been prepared in accordance with the requirements noted in **Earthwork**, the following design parameters are applicable for mat foundations.

Mat Foundation Design Recommendations

DESCRIPTION	RECOMMENDATION
Foundation Type	Structurally Rigid Mat foundation
Bearing Material	Engineered fill extending to a minimum depth of 2-feet below the bottom of foundations, or depth of undocumented fill materials, whichever is greater.
Modulus of Subgrade Reaction, k_{v1}*, for a small loaded area (1 Sq. ft or less) such as for forklift wheel loads	250 pci
Modulus Correction Factor*	$k_v = k_{v1} [(B+1)/2B)]^2$
Allowable Bearing Pressure	■ 6,000 psf for foundation widths up to 20 feet ■ 4,000 psf for foundation widths up to 30 feet ■ 3,000 psf for foundation widths up to 40 feet
Minimum Depth	18 inches
Total Estimated Static Settlement	1 inch or less
Estimated Differential Settlement	½ inch
*k_{v1} values should be reduced to account for dimensional effects of large loaded areas, where k_v is the corrected modulus value and B is the mat width in feet.	

Finished grade is defined as the lowest adjacent grade within five feet of the foundation for perimeter (or exterior) footings.

The allowable foundation bearing pressure applies to dead loads plus design live load conditions. The design bearing pressure may be increased by one-third when considering total loads that include wind or seismic conditions. The weight of the foundation concrete below grade may be neglected in dead load computations.

Foundation excavations should be observed by the geotechnical engineer. If the soil conditions encountered differ significantly from those presented in this report, supplemental recommendations will be required.

LATERAL EARTH PRESSURES

Design Parameters

For engineered fill comprised of on-site soils above any free water surface, recommended equivalent fluid pressures for unrestrained foundation elements are:

ITEM	VALUE[a, b]
Active Case	36 psf/ft
Passive Case	440 psf/ft
At-Rest Case	55 psf/ft
Coefficient of Friction	0.35

[a]Note: The values are based on native soils used as backfill.
[b]Note: Uniform, horizontal backfill, compacted to at least 90% of the ASTM D 1557 maximum dry density, rendering a maximum unit weight of 125 pcf.

The lateral earth pressures herein do not include any factor of safety and are not applicable for submerged soils/hydrostatic loading. Additional recommendations may be necessary if such conditions are to be included in the design.

Fill against foundation and retaining walls should be compacted to densities specified in the Earthwork section of this report. Compaction of each lift adjacent to walls should be accomplished with hand-operated tampers or other lightweight compactors.

PAVEMENTS

General Pavement Comments

Pavement designs are provided for the traffic conditions and pavement life conditions as noted in **Project Description** and in the following sections of this report. A critical aspect of pavement performance is site preparation. Pavement designs noted in this section must be applied to the site which has been prepared as recommended in the **Earthwork** section.

Pavement Design Parameters

A design R-Value of 30 was used to calculate the asphalt concrete pavement thickness sections and the Portland cement concrete pavement sections. The R-value was estimated based on the results of our field exploration and laboratory testing, and laboratory testing presented in the 2005 GZA report. R-value testing should be completed prior to pavement construction to verify the design R-value.

Assuming the pavement subgrades will be prepared as recommended within this report, the following pavement sections should be considered minimums for this project for the traffic indices assumed in the table below. As more specific traffic information becomes available, we should be contacted to reevaluate the pavement calculations.

Pavement Section Thicknesses

The following table provides options for AC and PCC Sections:

	Recommended Pavement Section Thickness (inches)		
	Light (Automobile) Parking TI = 4.5	**Automobile Driveways TI = 5.5**	**Driveways and Delivery Areas TI = 6.5**
Section I Portland Cement Concrete*	5.0-inches PCC over 4-inches AB	5.5-inches PCC over 4-inches AB	6-inches PCC over 4-inches AB
Section II Asphalt Concrete	3-inches AC over 5-inches AB	3-inches AC over 7-inches AB	3-inches AC over 10-inches AB

AB: Class II Aggregate Base PCC: Portland Cement Concrete AC: Asphalt Concrete
* Unreinforced plain jointed

These pavement sections are considered minimal sections based upon the expected traffic and the existing subgrade conditions. However, they are expected to function with periodic maintenance and overlays if good drainage is provided and maintained.

Subsequent to clearing, grubbing, and removal of topsoil, subgrade soils beneath all pavements should be scarified, moisture conditioned, and compacted to a minimum depth of 10 inches. All materials should meet the Caltrans Standard Specifications for Highway Construction. Aggregate base materials should meet the gradation and quality requirement of Class 2 Aggregate Base (¾ inch maximum) in Caltrans Standard Specifications, latest edition, Sections 25 through 29.

All concrete for rigid pavements should have a minimum flexural strength of 600 psi (4,250 psi Compressive Strength) and be placed with a maximum slump of four inches. Proper joint spacing will also be required to prevent excessive slab curling and shrinkage cracking. All joints should be sealed to prevent entry of foreign material and dowelled where necessary for load transfer.

Preventative maintenance should be planned and provided for through an on-going pavement management program in order to enhance future pavement performance. Preventative maintenance activities are intended to slow the rate of pavement deterioration, and to preserve the pavement investment.

Preventative maintenance consists of both localized maintenance (e.g. crack sealing and patching) and global maintenance (e.g. surface sealing). Preventative maintenance is usually the first priority when implementing a planned pavement maintenance program and provides the highest return on investment for pavements.

Pavement Construction Considerations

Materials and construction of pavements for the project should be in accordance with the requirements and specifications of the State of California Department of Transportation, or other approved local governing specifications.

Base course or pavement materials should not be placed when the surface is wet. Surface drainage should be provided away from the edge of paved areas to minimize lateral moisture transmission into the subgrade.

ACCESS ROADWAYS

Aggregate Surfaced Roadway Design Recommendations

Aggregate surface roadway design was conducted in general accordance with the United States Department of the Army document Design of Aggregate Surfaced Roads and Airfields (1990). A correlated CBR of 15 was utilized. Traffic information was not available at this time. Based on discussion with the client, it is our understanding that aggregate surface roads will serve as interior access roads and will not see frequent traffic. Based on this information, a Road Class of G and category of III was selected for design.

Based on the information above, aggregate surface course should have a minimum thickness of 5-inches. All aggregate base sections should be constructed over a minimum of 10 inches of scarified, moisture conditioned soils compacted to 90% of the maximum dry density using ASTM D 1557.

Terracon should be contacted if more information of daily traffic loading becomes available. Aggregate base materials should be compacted to 95% of the maximum dry density using ASTM D 1557 and meet the gradation and quality requirement of Class 2 Aggregate Base (3/4-inch maximum) in Caltrans Standard Specifications, latest edition, Sections 25 through 29. The recommended thicknesses should be measured after full compaction. The width of the roadway should extend a minimum distance of 1 foot on each side of the desired surface width.

Positive drainage should be provided during construction and maintained throughout the life of the roadways. Proposed roadway design should maintain the integrity of the road and eliminate ponding.

Access Roadway Design and Construction Considerations

Regardless of the design, aggregate surfaced roadways will display varying levels of wear, rutting, and deterioration. We recommend an implementation of a site inspection program at a frequency of at least once per year to verify the adequacy of the roadways. Preventative measures should be applied as needed for erosion control and regrading. An initial site inspection should be completed approximately three months following construction.

Shoulder build-up on both sides of proposed roadways should match the aggregate surface elevation and slope outwards at a minimum grade of 10% for five feet.

Materials and construction of pavements for the project should be in accordance with the requirements and specifications of the Caltrans, or other approved local governing specifications.

Base course or pavement materials should not be placed when the surface is wet. Surface drainage should be provided away from the edge of roadway areas to minimize lateral moisture transmission into the subgrade.

GENERAL COMMENTS

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Natural variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence or collaboration through this system are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. The findings and recommendations presented in this report were prepared in a manner consistent with the standards of care and skill ordinarily exercised by members of its profession completing similar studies and practicing under similar conditions in the geographic vicinity and at the time these services have been performed. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly impact excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety, and cost estimating including, excavation support, and dewatering requirements/design are the responsibility of others. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

ATTACHMENTS

EXPLORATION AND TESTING PROCEDURES

Field Exploration

Advancement Method	Borings/CPTs	Boring/CPT Depth (feet)	Location
Hollow Stem Auger	B-1 to B-10	4½ to 31½	Battery Storage Areas
	B-11 to B-12	61½	
	P-1 to P-5	6½	Interior Roadways
	Perc-1 to Perc-4	6½ to 11½	Infiltration Areas
Cone Penetration Test	CPT-1 to CPT-4	4 to 77	Battery Storage Areas

Boring Layout and Elevations: Boring locations were prepared by Terracon. Coordinates were obtained with a handheld GPS unit (estimated horizontal accuracy of about ±10 feet) and approximate elevations were obtained Google Earth Pro. The accuracy of boring locations should only be assumed to the level implied by the method used. If elevations and a more precise boring layout are desired, we recommend borings be surveyed following completion of fieldwork.

Subsurface Exploration Procedures: We advanced the borings with a truck-mounted drill rig using continuous hollow stem flight augers. Four samples were obtained in the upper 10 feet of each boring and at intervals of 5 feet thereafter. Soil sampling was performed using split-barrel sampling procedures. In the split-barrel sampling procedure, a standard 2-inch outer diameter split-barrel sampling spoon is driven into the ground by a 140-pound automatic hammer falling a distance of 30 inches. The number of blows required to advance the sampling spoon the last 12 inches of a normal 18-inch penetration is recorded as the Standard Penetration Test (SPT) resistance value. The SPT resistance values, also referred to as N-values, are indicated on the boring logs at the test depths. A 2.5-inch O.D. split-barrel Modified California sampling spoon with 2.0-inch I.D. tube lined sampler was also used for sampling. The Modified California split-barrel sampling procedures are similar to standard split spoon sampling procedure; however, blow counts are typically recorded for 6-inch intervals for a total of 12 inches of penetration. The samples were placed in appropriate containers, taken to our soil laboratory for testing, and classified by a geotechnical engineer. In addition, we observed and recorded groundwater levels during drilling and sampling. For safety purposes, all borings were backfilled with auger cuttings after their completion.

For the cone penetrometer testing, the CPT rig hydraulically pushes an instrumented cone through the soil while nearly continuous readings are recorded to a portable computer. The cone is equipped with electronic load cells to measure tip resistance and sleeve resistance and a pressure transducer to measure the generated ambient pore pressure. The face of the cone has an apex angle of 60° and an area of 15 cm^2. Digital Data representing the tip resistance, friction resistance, pore water pressure, and probe inclination angle are recorded about every 2

centimeters while advancing through the ground at a rate between 1½ and 2½ centimeters per second. These measurements are correlated to various soil properties used for geotechnical design. No soil samples are gathered through this subsurface investigation technique. CPT testing was conducted in general accordance with ASTM D5778 "Standard Test Method for Performing Electronic Friction Cone and Piezocone Penetration Testing of Soils."

The sampling depths, penetration distances, and other sampling information was recorded on the field boring logs. The samples were placed in appropriate containers and taken to our soil laboratory for testing and classification by a Geotechnical Engineer. Our exploration team prepared field boring logs as part of the drilling operations. These field logs included visual classifications of the materials encountered during drilling and our interpretation of the subsurface conditions between samples. Final boring logs were prepared from the field logs. The final boring logs represent the Geotechnical Engineer's interpretation of the field logs and include modifications based on observations and tests of the samples in our laboratory.

Field Electrical Resistivity

Field measurements of soil resistivity were performed in general accordance with ASTM Test Method G57-06 using the Wenner Four-Electrode Method. Two perpendicular arrays were performed at each of the three locations with A-spacings of 2, 4, 6, 8, 10, 20, 40, and 80 feet and corresponding probe depths of 6 inches. Field resistivity test locations and results are presented in our **Exploration Plan** and **Exploration Results** sections, respectively.

Laboratory Testing

The project engineer reviewed the field data and assigned laboratory tests to understand the engineering properties of the various soil strata, as necessary, for this project. Procedural standards noted below are for reference to methodology in general. In some cases, variations to methods were applied because of local practice or professional judgment. Standards noted below include reference to other, related standards. Such references are not necessarily applicable to describe the specific test performed.

- ASTM D2216 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- ASTM D7263 Standard Test Methods for Laboratory Determination of Dry Density (Unit Weight) of Soil Specimens
- ASTM D4318 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- ASTM D1140 Standard Test Methods for Determining the Amount of Material Finer than 75-µm (No. 200) Sieve in Soils by Washing
- ASTM D4546 Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading

- ASTM D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort
- ASTM D5334 Standard Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure
- ASTM D3080 Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions
- ASTM D4829 Standard Test Method for Expansion Index of Soils
- Corrosivity Testing including pH, Chlorides, Sulfates, Sulfides, Redox Potential, and Electrical Lab resistivity

The laboratory testing program included examination of soil samples by an engineer. Based on the material's texture and plasticity, we described and classified the soil samples in accordance with the Unified Soil Classification System.

SITE LOCATION AND EXPLORATION PLANS

SITE LOCATION

Inland Empire Energy Center ■ Sun City, CA
May 14, 2021 ■ Terracon Project No. 60205266

Terracon GeoReport

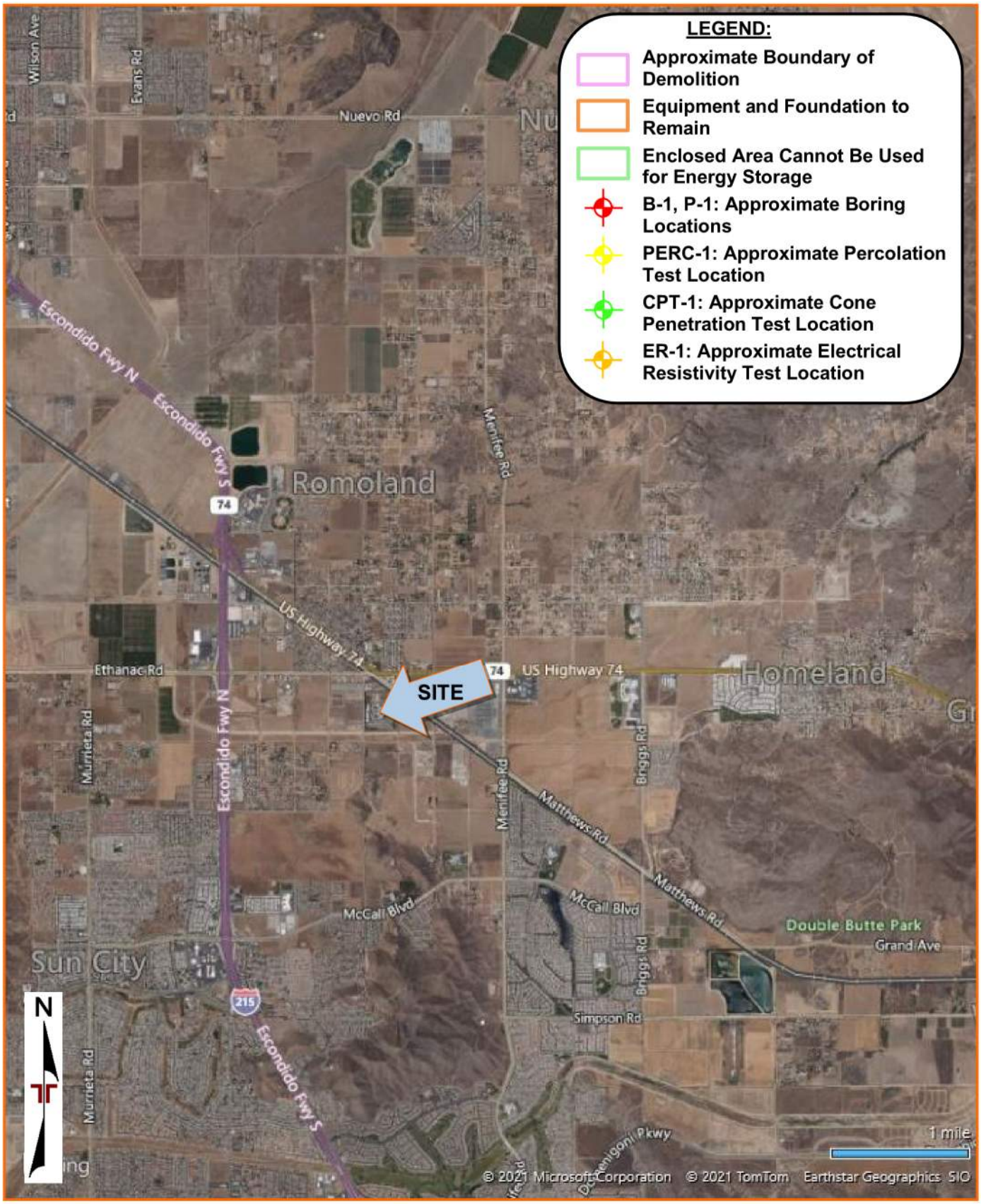


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: PERRIS, CA (1/1/1979) and ROMOLAND, CA (1/1/1979).

EXPLORATION PLAN

Inland Empire Energy Center ■ Sun City, CA

May 14, 2021 ■ Terracon Project No. 60205266

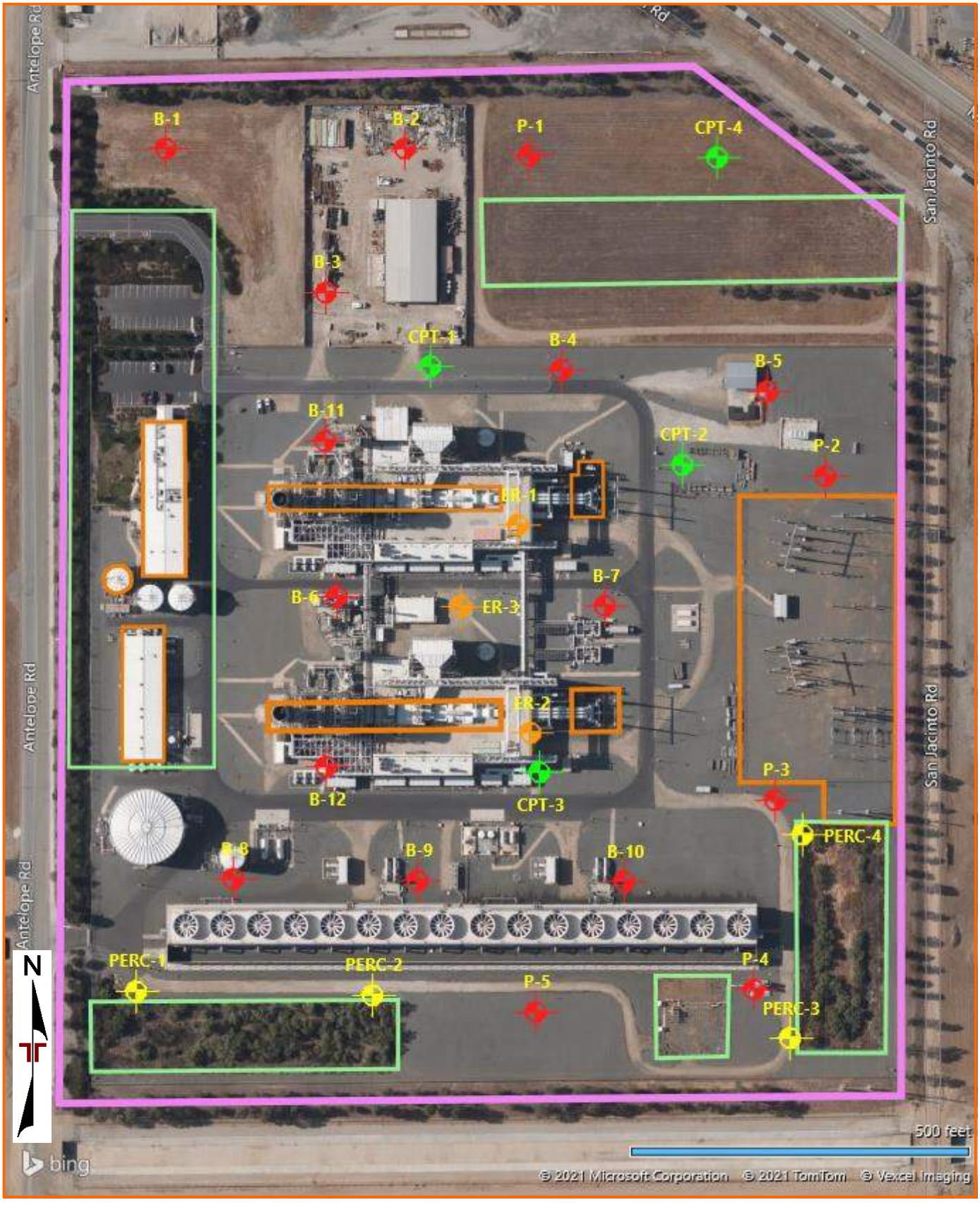


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

EXPLORATION RESULTS

BORING LOG NO. B-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7408° Longitude: -117.1711°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
					50/6"								
		5			17-39-50					12	125		
					12-27-40					14	119		
		10			20-50/6"							28-21-7	
		15			19-40-50/4"					18	108	38-29-9	
		20			8-14-24 N=38								31
		25											

CLAYEY SAND (SC), brown

very dense

dense

7.5

SILTY CLAYEY SAND (SC-SM), light brown, dense

very dense

15.0

SANDY SILT (ML), brown, hard

20.0

SILTY SAND (SM), dense

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7408° Longitude: -117.1711° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), dense *(continued)*				9-13-22 N=35								
	30.0	30											
	SANDY SILTY CLAY (CL-ML), brown, hard				10-15-18 N=33								
	31.5												
	Boring Terminated at 31.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-2

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7408° Longitude: -117.1699°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
POORLY GRADED SAND WITH CLAY (SP-SC), brown													
dense					15-26-44					5	127		
dark brown, very dense		5			50/6"								
7.5													
SILTY CLAYEY SAND (SC-SM), dark brown, very dense					50/6"								
		10			30-50/3"								
15.0													
SILT (ML), brown to light brown, hard		15			12-20-50/6"					24	98		
		20			15-30-42					23	96		
21.5													
Boring Terminated at 21.5 Feet													

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7402° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DESCRIPTION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
0		**SILTY CLAYEY SAND (SC-SM)**, brown to light brown												
		very dense				50/5"	14						26-20-6	28
		light brown	5			50/6"								
7.5		**SILTY CLAYEY SAND (SC-SM)**, brown and light brown, very dense				45-50/3"								
			10			20-50/4"								
15.0		**SILT (ML)**, light brown to brown, hard	15			10-25-50/5"					30	89		
			20			5-14-21 N=35								
25.0			25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7402° Longitude: -117.1703°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY CLAY (CL-ML), brown, hard				11-16-45 N=61								
		30			11-19-40 N=59								
	31.5												
	Boring Terminated at 31.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-4

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

DEPTH	LOCATION See Exploration Plan Latitude: 33.7399° Longitude: -117.1692°	DEPTH (Ft.)	SAMPLE TYPE	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	PERCENT FINES
	SILTY SAND (SM), trace clay, dark brown						
	very dense			30-50/6"			45
	medium dense	5		30-28-30	9	127	
7.5	**SILTY CLAYEY SAND (SC-SM)**, brown, very dense			30-50/4"			
10.0	**SILTY SAND (SM)**, brown to light brown, very dense	10		19-50/6"			
15.0	**SILT (ML)**, light brown, hard	15		16-27-36	38	83	
20.0	**SILTY SAND (SM)**, brown, very dense	20		19-36-50/4"			
21.3	white						
	Boring Terminated at 21.33 Feet						

EXPANSION INDEX

STRENGTH TEST: TEST TYPE; COMPRESSIVE STRENGTH (tsf); STRAIN (%)

ATTERBERG LIMITS: LL-PL-PI

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-5

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7398° Longitude: -117.1682°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
POORLY GRADED SAND WITH SILT (SP-SM), brown to light brown													
light brown, very dense, partial recovery					24-50/6"					6	106		
5.0													
SANDY SILT (ML), trace clay, brown, very stiff		5			11-15-20					19	115		
7.5													
SILTY SAND (SM), brown, very dense					37-50/5"								
brown to light brown, dense to very dense		10			14-37-50/5"					11	129		
15.0													
SANDY SILT (ML), brown, hard		15			19-40-50/5"								
20.0													
CLAYEY SAND (SC), brown, medium dense		20			5-9-14 N=23								
25.0		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-5

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7398° Longitude: -117.1682° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SANDY SILT (ML), light brown, stiff				4-6-8 N=14								
	30.0	30											
	SANDY SILTY CLAY (CL-ML), brown, hard				8-16-24 N=40								
	31.5												
	Boring Terminated at 31.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-6

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.739° Longitude: -117.1702° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	FILL - CLAYEY SAND WITH GRAVEL (SC), gray												
	4.0												
	4.5 Drillable concrete material encountered. Offset boring conducted adjacent to borehole. Same obstruction encountered. Borehole terminated at 4.5 feet due to unknown subsurface conditions.												
	Boring Terminated at 4.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-7

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7389° Longitude: -117.1689°

DEPTH

DEPTH (Ft.)	SAMPLE TYPE	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)
		30-30-24	10	130
5				
		15-22-31	10	125
		12-20-30	13	120
10				
		8-11-24	13	119

FILL - CLAYEY SAND (SC), brown to light brown

medium dense

7.5

FILL - SILTY SAND (SM), trace clay, brown, medium dense

14.0 traces of concrete debris in cuttings

Auger Refusal at 14 Feet

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 5/3/21

BORING LOG NO. B-8

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1708°

DEPTH	DEPTH (Ft.)	SAMPLE TYPE	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)
SILTY SAND (SM), trace clay, brown					
dense			10-26-34	11	114
very dense	5		13-23-50/4"	10	131
			33-50/3"		
	10		33-50/4"		
light brown to brown, dense	15		17-30-50/6"	13	110
20.0 **CLAYEY SAND (SC)**, light brown to brown, dense	20		19-30-40	35	85
21.5 ***Boring Terminated at 21.5 Feet***					

WATER LEVEL OBSERVATIONS

STRENGTH TEST: TEST TYPE; COMPRESSIVE STRENGTH (tsf); STRAIN (%)

ATTERBERG LIMITS: LL-PL-PI

EXPANSION INDEX

PERCENT FINES

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-9

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1699°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), trace clay, light brown													
medium dense					11-13-22					10	128		
5.0													
CLAYEY SAND (SC), dark brown, medium dense		5			14-18-20								
7.5													
SILTY SAND (SM), with clay, light brown, very dense					48-50/4"					11	123		
10.0													
CLAYEY SAND (SC), brown, very dense		10			28-50/6"								
		15			30-50/5"								
20.0													
SANDY SILTY CLAY (CL-ML), brown, very stiff		20			5-18-17 N=35								
21.5													
SILTY SAND (SM), light tan		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-9

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7378° Longitude: -117.1699° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), light tan *(continued)* very dense				17-22-30 N=52								
	dense	30			15-21-20 N=41								
	31.5 ***Boring Terminated at 31.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-10

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1689°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
CLAYEY SAND (SC), trace gravel, brown													
dense					30-40-46					10	132		
5.0													
SILTY SAND (SM), with clay, light brown, dense		5			20-40-50/6"					10	128		
7.5													
CLAYEY SAND (SC), brown to light brown, dense					16-29-32					10	130		
10.0													
SILTY SAND (SM), trace clay, brown, dense		10			17-30-50/6"					13	125		
		15			19-35-50/6"								9
very dense		20			50/6"								
21.5													
Boring Terminated at 21.5 Feet													

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-14-2021 | Boring Completed: 04-14-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-11

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7396° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), trace gravel, brown													
dense					25-36-50/6"					10	129		
trace clay, light brown to brown, very dense		5			17-27-50/4"					8	128		
7.5													
POORLY GRADED SAND WITH SILT (SP-SM), trace clay, dark brown, very dense					50/5"								
brown to light brown		10			50/6"								
		15			24-45-50/4"								
20.0													
SILTY SAND (SM), brown to light brown, dense		20			8-14-27 N=41								45
		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-11

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7396° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), brown to light brown, dense *(continued)* light brown					24-24-9 N=33							NP	
light tan		30			9-22-28 N=50								
very dense		35			19-22-29 N=51								
40.0 **SANDY SILTY CLAY (CL-ML)**, brown, hard		40			19-25-36 N=61								
45.0 **SILTY SAND (SM)**, light brown and tan, dense		45			17-24-26 N=50								
		50											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-11

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7396° Longitude: -117.1703° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), light brown and tan, dense *(continued)* very dense				14-25-27 N=52								
	55.0 **SANDY SILTY CLAY (CL-ML)**, brown, hard	55			18-25-27 N=52								
	60.0 **SANDY SILT (ML)**, brown, hard	60			16-22-31 N=53								
	61.5 ***Boring Terminated at 61.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-12

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7383° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
FILL - SILTY SAND (SM), trace clay, brown, traces of concrete debris													
dense					14-26-50/6"					11	126		
4.0													
CLAYEY SAND (SC), brown													
dense		5			19-30-40					15	114		
7.5													
SILTY SAND (SM), trace clay, light brown, very dense					20-50/6"								
		10			22-50/6"								
15.0													
SANDY LEAN CLAY (CL), brown to light brown, very stiff		15			8-14-15 N=29							34-23-11	
20.0													
CLAYEY SAND (SC), light brown, dense		20			8-13-23 N=36								
25.0		25											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-12

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7383° Longitude: -117.1703°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
SILTY SAND (SM), light tan to light brown, very dense					10-22-37 N=59								
		30			16-24-30 N=54								
		35			24-36-38 N=74								
40.0													
SANDY SILT (ML), light tan to brown, hard		40			16-20-40 N=60								
42.0													
SILTY SAND (SM), light tan to light brown													
very dense		45			17-26-37 N=63								
		50											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. B-12

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7383° Longitude: -117.1703° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), light tan to light brown *(continued)*				26-35-40 N=75								
	55.0 **SANDY SILT (ML)**, brown, very stiff	55			9-14-15 N=29								
	hard 61.5	60			6-25-41 N=66								
	Boring Terminated at 61.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7408° Longitude: -117.1693° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), dark brown to brown dense	5			25-35-50/6"					9	130		
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-12-2021 | Boring Completed: 04-12-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-2

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7395° Longitude: -117.1679°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	POORLY GRADED SAND WITH SILT (SP-SM), brown to light brown												
	very dense				24-50/6"					7	123		
	4.0 **CLAYEY SAND (SC)**, light brown	5											
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION / DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	LOCATION See Exploration Plan Latitude: 33.7381° Longitude: -117.1681°												
	CLAYEY SAND (SC), brown loose	5			5-8-10					11	121		40
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-4

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7374° Longitude: -117.1682° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown very dense	5			17-50/6"								
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. P-5

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7373° Longitude: -117.1693° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown, to very dense 6.5	5			28-50/6"								
	Boring Terminated at 6.5 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021
Boring Completed: 04-13-2021
Drill Rig: CME 75
Driller: 2R Drilling
Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-1

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION / DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	See Exploration Plan Latitude: 33.7377° Longitude: -117.1711°												
	CLAYEY SAND (SC), dark brown dense	5			10-28-36					10	125		
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-2

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.1686°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	SILTY SAND (SM), dark brown and black, foul odor												
	very dense	5			50/6"								
	7.5 **CLAYEY SAND (SC)**, brown to dark brown, dense				31-33-42								34
	11.5 ***Boring Terminated at 11.5 Feet***	10											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-3

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 33.7378° Longitude: -117.1694° DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown dense	5			18-35-42								35
	6.5 ***Boring Terminated at 6.5 Feet***												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

BORING LOG NO. PERC-4

PROJECT: Inland Empire Energy Center

CLIENT: Calpine Corporation
Dublin, CA

SITE: 26226 Antelope Road
Sun City, CA

LOCATION See Exploration Plan

Latitude: 33.7378° Longitude: -117.17°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	EXPANSION INDEX	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (tsf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	CLAYEY SAND (SC), brown												
	very dense	5			30-50/5"					12	123		
	7.5 **SILTY SAND (SM)**, trace clay, light brown to brown, dense				15-28-43								19
	11.5 ***Boring Terminated at 11.5 Feet***	10											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Groundwater not encountered

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

Boring Started: 04-13-2021 | Boring Completed: 04-13-2021

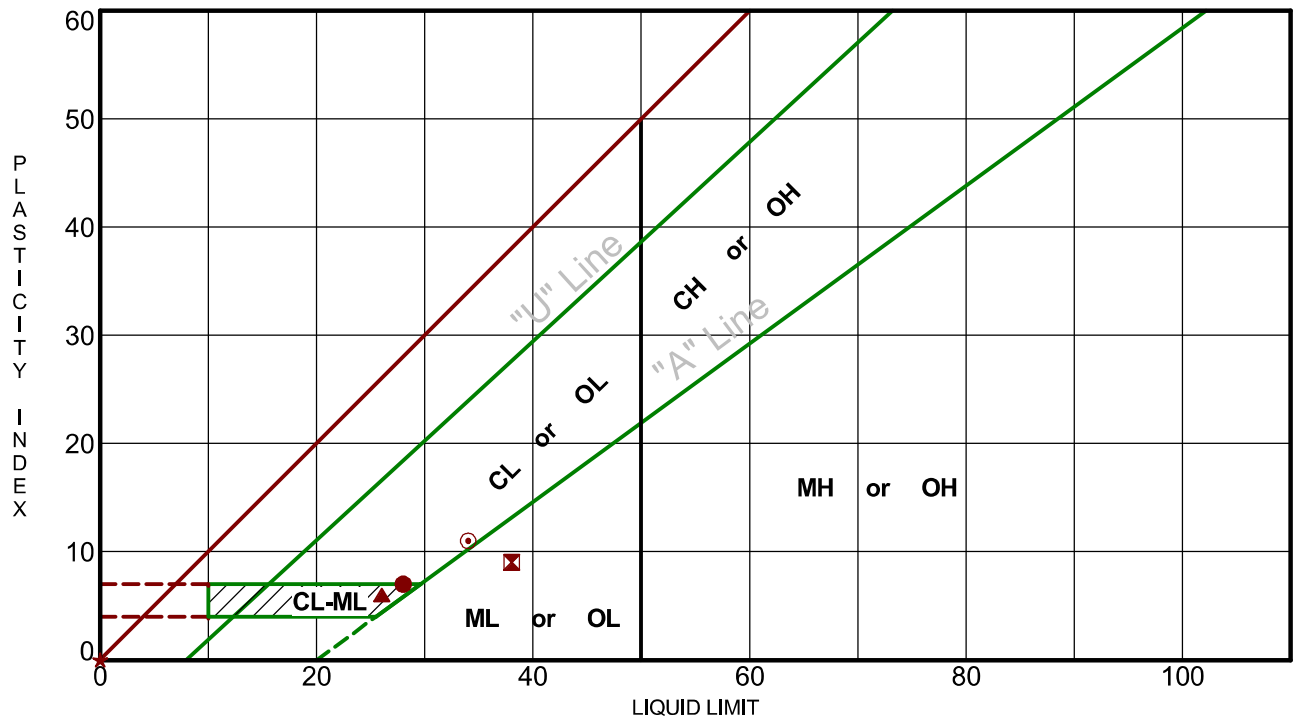
Drill Rig: CME 75 | Driller: 2R Drilling

Project No.: 60205266

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

ATTERBERG LIMITS RESULTS

ASTM D4318



Boring ID		Depth	LL	PL	PI	Fines	USCS	Description
●	B-1	10 - 11	28	21	7		SC-SM	SILTY CLAYEY SAND
⊠	B-1	15 - 16.3	38	29	9		ML	SANDY SILT
▲	B-3	1 - 3.5	26	20	6	27.6	SC-SM	SILTY, CLAYEY SAND
★	B-11	25 - 26.5	NP	NP	NP		SM	SILTY SAND
⊙	B-12	15 - 16.5	34	23	11		CL	SANDY LEAN CLAY

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

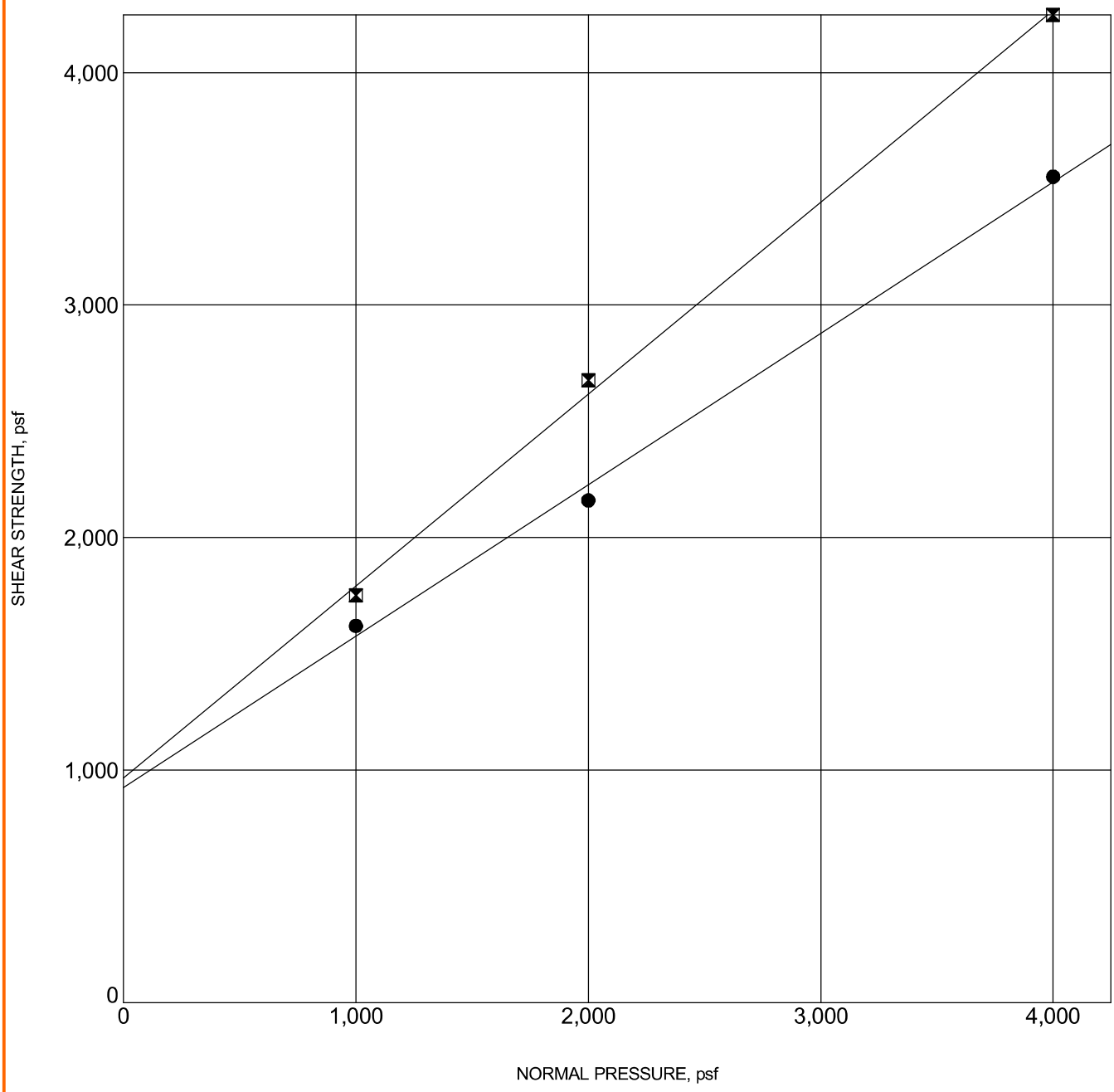
SITE: 26226 Antelope Road
Sun City, CA

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ATTERBERG LIMITS 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/27/21

DIRECT SHEAR TEST ASTM D3080



Specimen Identification			Classification	γ_d, pcf	WC,%	c, psf	ϕ°
●	B-1	7.5ft	SILTY CLAYEY SAND (SC-SM)	119	14	924	33
⊠	B-10	5.0ft	CLAYEY SAND (SC)	128	10	966	40

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

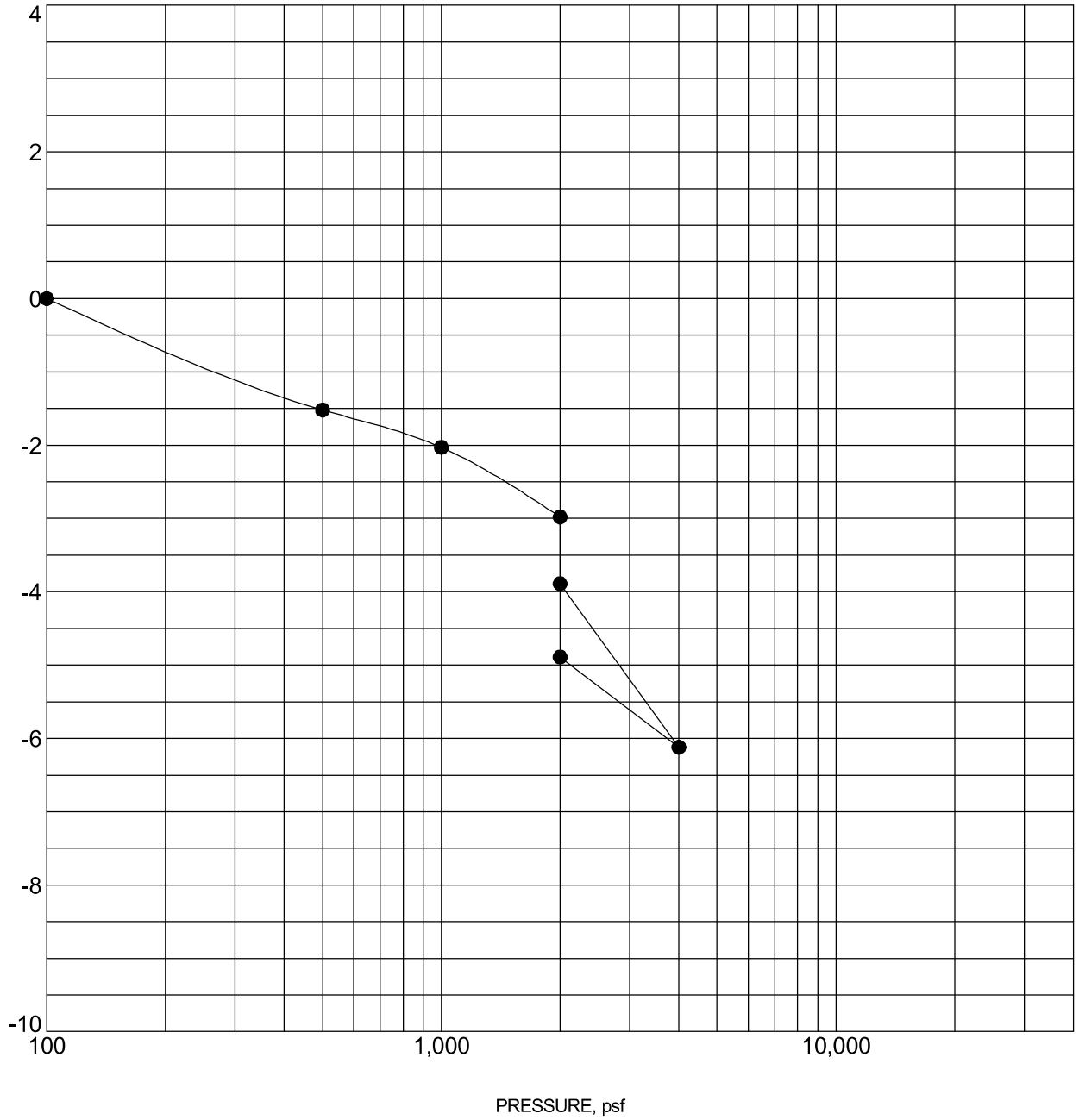
Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. TC_DIRECT_SHEAR 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

SWELL CONSOLIDATION TEST

ASTM D4546



Specimen Identification			Classification	γ_d, pcf	WC, %
●	B-1	5 - 6.5 ft	CLAYEY SAND	125	12

NOTES: Water added at 2,000 psf

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

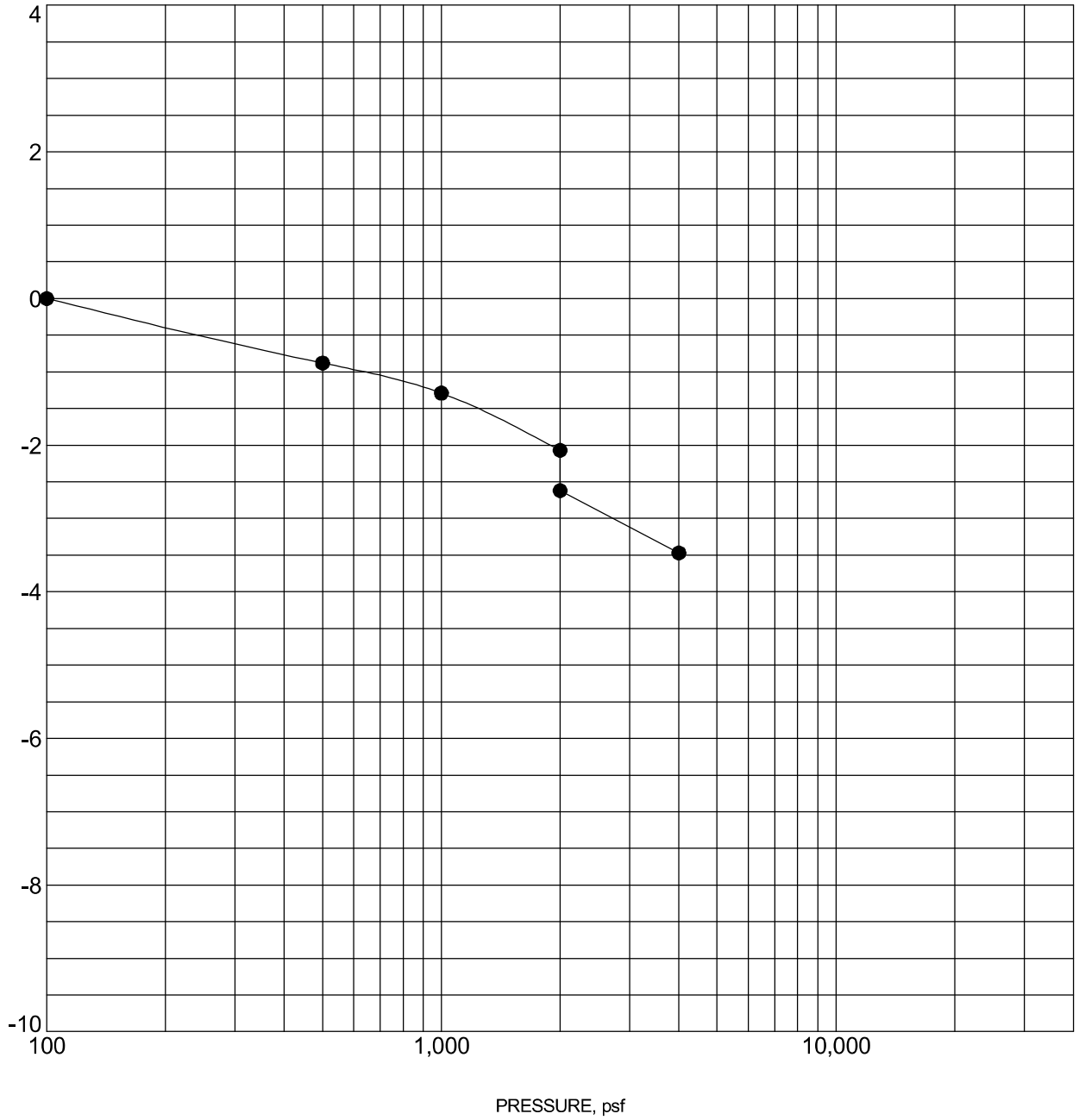
Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. TC_CONSOL_STRAIN-USCS 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

SWELL CONSOLIDATION TEST

ASTM D4546



Specimen Identification			Classification	γ_d, pcf	WC, %
●	B-12	5 - 6.5 ft	CLAYEY SAND	114	15

NOTES: Water added at 2,000 psf

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

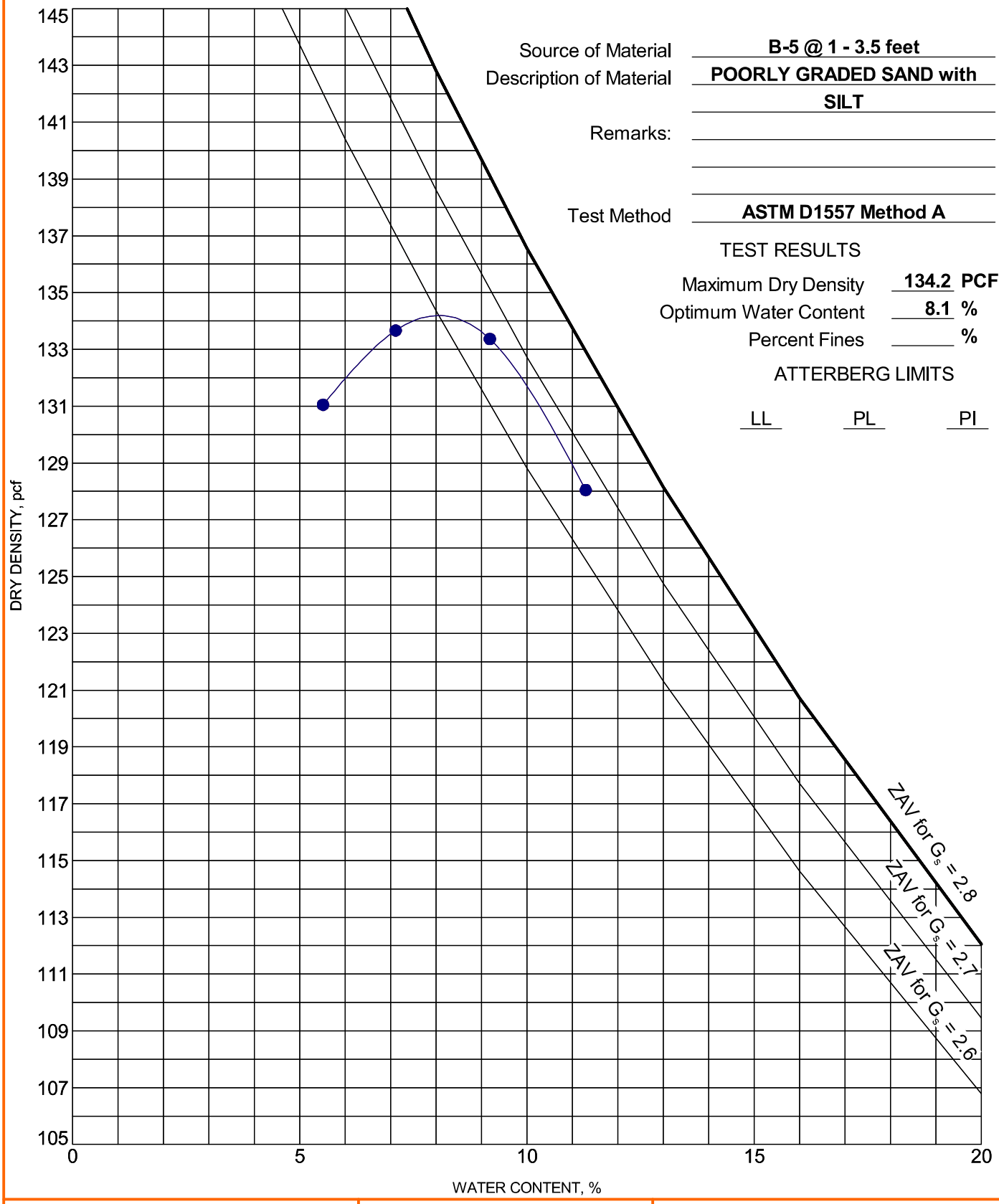
Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. TC_CONSOL_STRAIN-USCS 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/30/21

MOISTURE-DENSITY RELATIONSHIP

ASTM D698/D1557



Source of Material	**B-5 @ 1 - 3.5 feet**
Description of Material	**POORLY GRADED SAND with SILT**
Remarks:	
Test Method	**ASTM D1557 Method A**

TEST RESULTS

Maximum Dry Density	**134.2**	**PCF**
Optimum Water Content	**8.1**	**%**
Percent Fines		%

ATTERBERG LIMITS

LL	PL	PI

PROJECT: Inland Empire Energy Center

PROJECT NUMBER: 60205266

SITE: 26226 Antelope Road
Sun City, CA

Terracon
1421 Edinger Ave, Ste C
Tustin, CA

CLIENT: Calpine Corporation
Dublin, CA

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. COMPACTION - V1 60205266 INLAND EMPIRE ENE.GPJ TERRACON_DATATEMPLATE.GDT 4/27/21

750 Pilot Road, Suite F
Las Vegas, Nevada 89119
(702) 597-9393

Terracon GeoReport

Client
Calpine Corporation

Project
Inland Empire Energy Center

Sample Submitted By: Terracon (60) **Date Received:** 4/22/2021 **Lab No.: 21-0369**

Results of Corrosion Analysis

Sample Number	--	--	--
Sample Location	B-3	B-5	B-9
Sample Depth (ft.)	1.0-3.5	1.0-3.5	1.0-4.0
pH Analysis, ASTM G 51	8.12	7.62	8.30
Water Soluble Sulfate (SO4), ASTM C 1580 (percent %)	<0.01	0.02	0.03
Sulfides, AWWA 4500-S D, (mg/kg)	Nil	Nil	Nil
Chlorides, ASTM D 512, (mg/kg)	140	70	160
Red-Ox, ASTM G 200, (mV)	+683	+689	+685
Total Salts, AWWA 2540, (mg/kg)	2050	290	1355
Minimum Resistivity (Saturated), ASTM G 57, (ohm-cm)	194	3783	1164

Analyzed By: Trisha Campo
Chemist

The tests were performed in general accordance with applicable ASTM and AWWA test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

21239 FM529 Rd., Bldg. F
Cypress, TX 77433
Tel: 281-985-9344
Fax: 832-427-1752
info@geothermusa.com
http://www.geothermusa.com

May 3, 2021

Terracon
1421 Edinger Avenue, Suite C
Tustin, CA 92780
Attn: Joshua R. Morgan, P.E.

Re: Thermal Analysis of Native Soil Samples
Inland Empire Energy Center – Menifee, CA (Project No. 60205266)

The following is the report of thermal dryout characterization tests conducted on two (2) soil samples from the referenced project received at our laboratory.

Thermal Resistivity Tests: The samples were reconstituted at the 'optimum' moisture content; sample B-5 was tested at 90% of the maximum dry density and sample B-9 was tested at the specified density **provided by Terracon**. The tests were conducted in accordance with the IEEE standard 442-2017. The results are tabulated below and the thermal dryout curves are presented in **Figures 1 to 2.**

Sample ID, Description, Thermal Resistivity, Moisture Content and Density

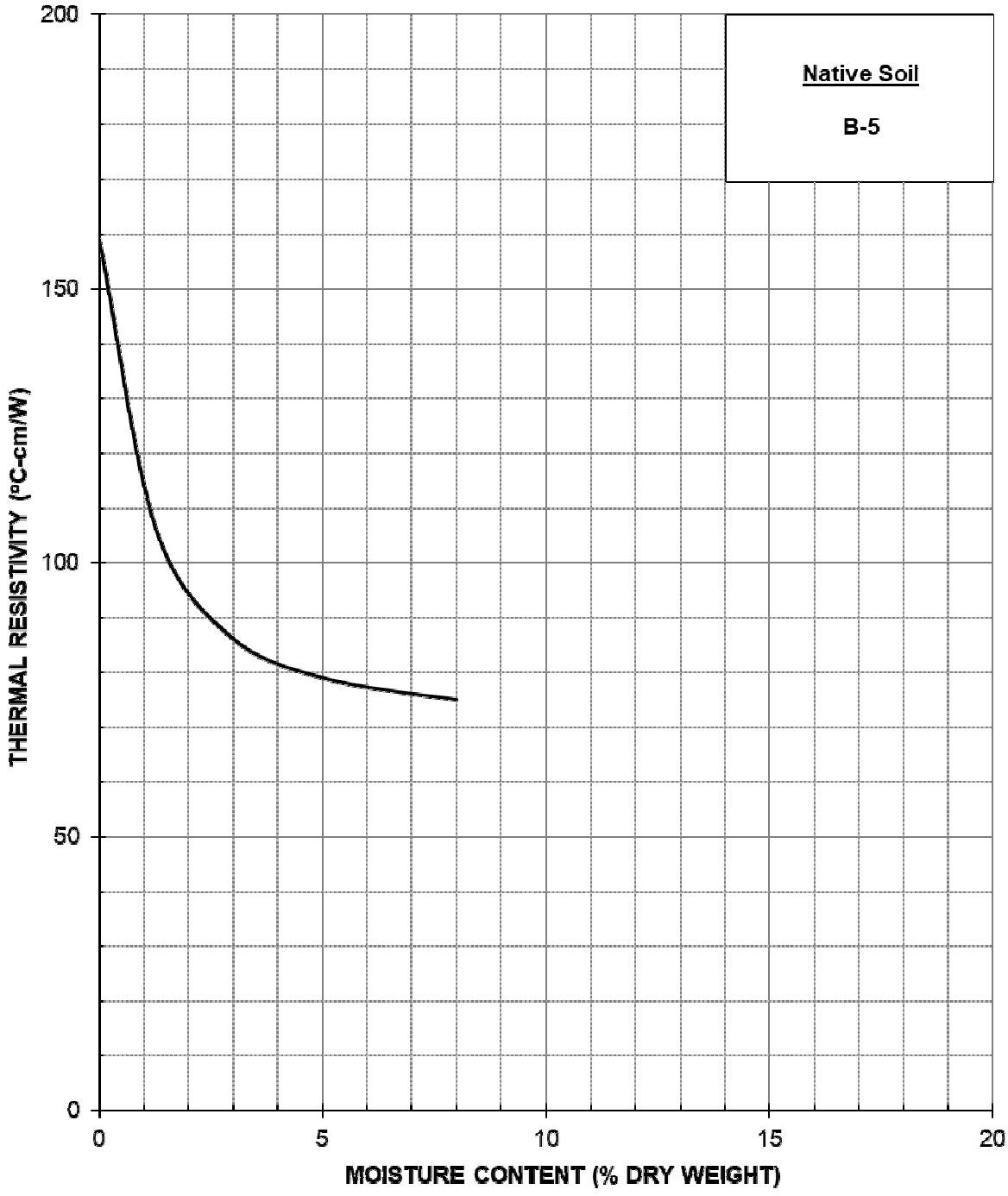
Sample ID	Effort %	Depth (ft)	Description (Terracon)	Thermal Resistivity (°C-cm/W)		Moisture Content (%)	Dry Density (lb/ft^3)
				Wet	Dry		
B-5	90%	1'-3'	Silty sand	75	159	8	121
B-9	1	1'-3'	Silty sand	71	124	11	127

Please contact us if you have any questions or if we can be of further assistance.

Geotherm USA

Nimesh Patel

THERMAL DRYOUT CURVE



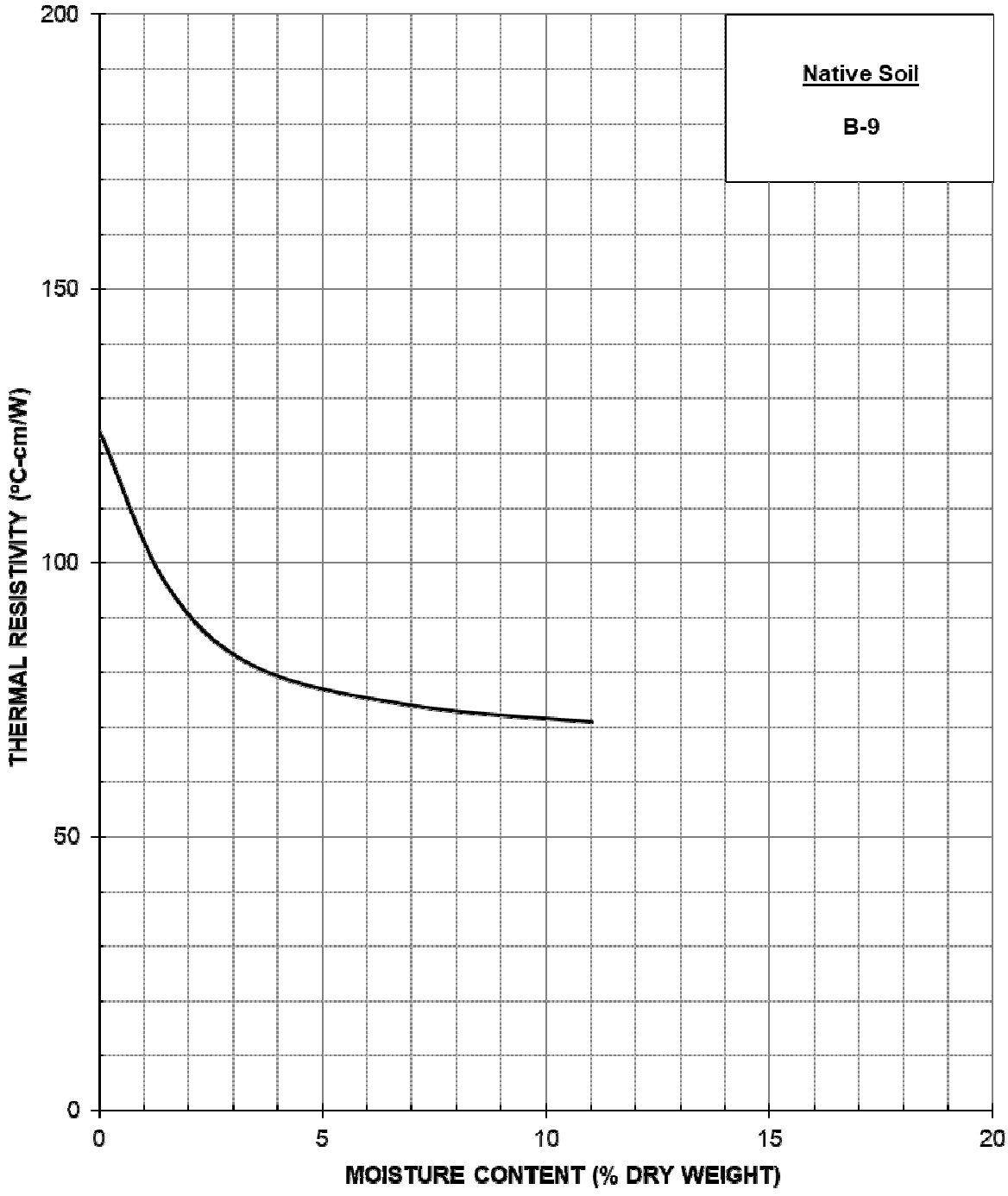
Terracon (Project No. 60205266)

Thermal Analysis of Native Soils

Inland Empire Energy Center - Menifee, CA

May 2021 **Figure 1**

THERMAL DRYOUT CURVE



Terracon (Project No. 60205266)

Thermal Analysis of Native Soils

Inland Empire Energy Center - Menifee, CA

May 2021 **Figure 2**

SUMMARY

OF

CONE PENETRATION TEST DATA

Project:

Inland Empire Energy
Sun City, CA
April 12, 2021

Prepared for:

Mr. Ryan Hankes
Terracon Consultants, Inc.
1421 Edinger Avenue, Ste C
Tustin, CA 92780
Office (949) 261-0051 / Fax (949) 261-6110

Prepared by:

KEHOE TESTING & ENGINEERING
5415 Industrial Drive
Huntington Beach, CA 92649-1518
Office (714) 901-7270 / Fax (714) 901-7289
www.kehoetesting.com

TABLE OF CONTENTS

1. **INTRODUCTION**
2. **SUMMARY OF FIELD WORK**
3. **FIELD EQUIPMENT & PROCEDURES**
4. **CONE PENETRATION TEST DATA & INTERPRETATION**

APPENDIX

- CPT Plots
- CPT Classification/Soil Behavior Chart
- Summary of Shear Wave Velocities
- CPT Data Files (sent via email)

SUMMARY
OF
CONE PENETRATION TEST DATA

1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the Inland Empire Energy project located in Sun City, California. The work was performed by Kehoe Testing & Engineering (KTE) on April 12, 2021. The scope of work was performed as directed by Terracon Consultants, Inc. personnel.

2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at five locations to determine the soil lithology. A summary is provided in **TABLE 2.1**.

LOCATION	DEPTH OF CPT (ft)	COMMENTS/NOTES:
CPT-1	77	Refusal
CPT-2	50	
CPT-3	50	
CPT-4	5	Refusal
CPT-4A	4	Refusal

TABLE 2.1 - Summary of CPT Soundings

3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm^2 cone and recorded the following parameters at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

At location CPT-1, shear wave measurements were obtained at various depths. The shear wave is generated using an air-actuated hammer, which is located inside the front jack of the CPT rig. The cone has a triaxial geophone, which recorded the shear wave signal generated by the air hammer.

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for up to 2 years for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil behavior type on the CPT plots is derived from the attached CPT SBT plot (Robertson, "Interpretation of Cone Penetration Test…", 2009) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

The CPT data files have also been provided. These files can be imported in CPeT-IT (software by GeoLogismiki) and other programs to calculate various geotechnical parameters.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING



Steven P. Kehoe
President

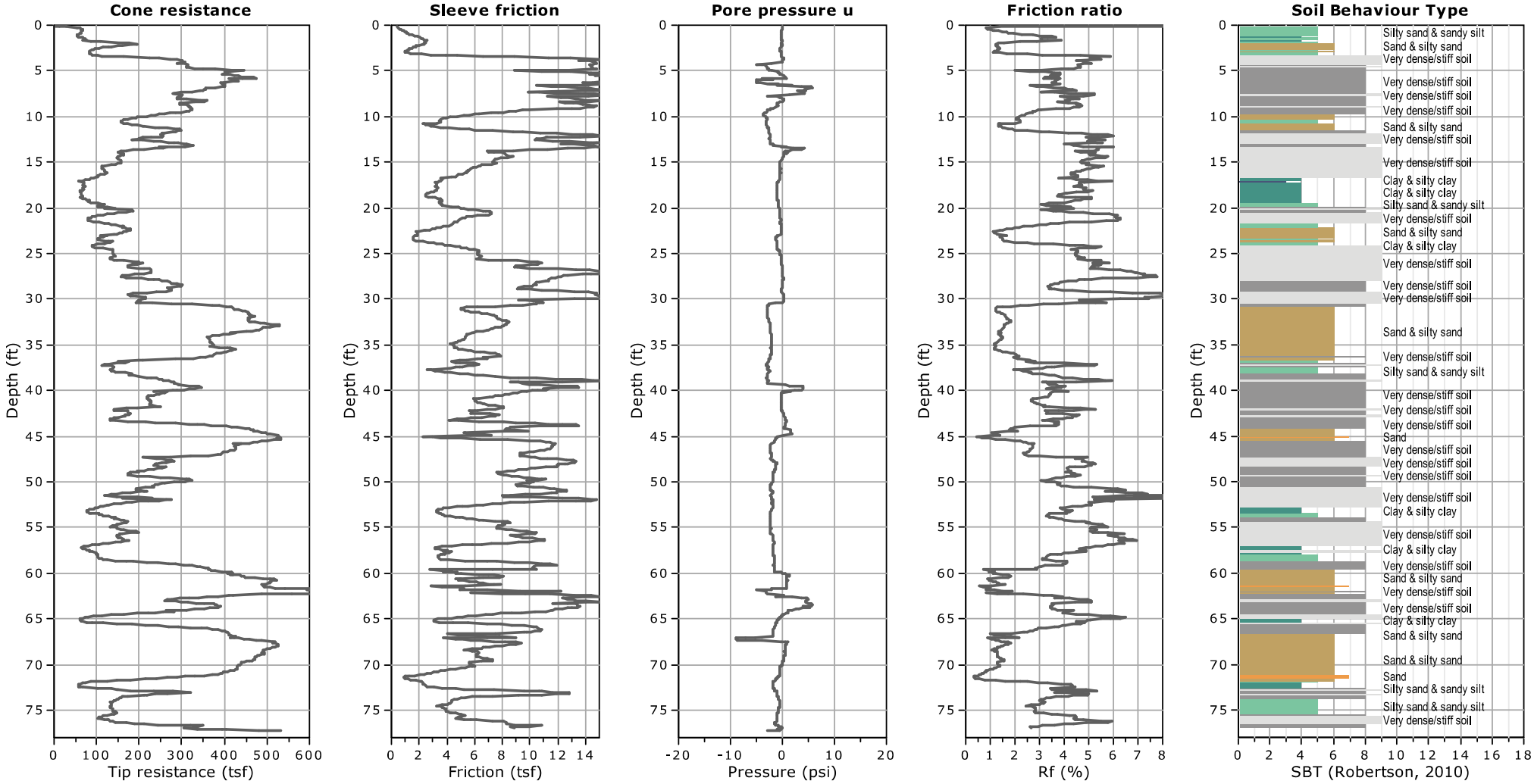
04/20/21-ca-2580

APPENDIX

Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Terracon Consultants / Inland Empire Energy**
Location: **Sun City, CA**

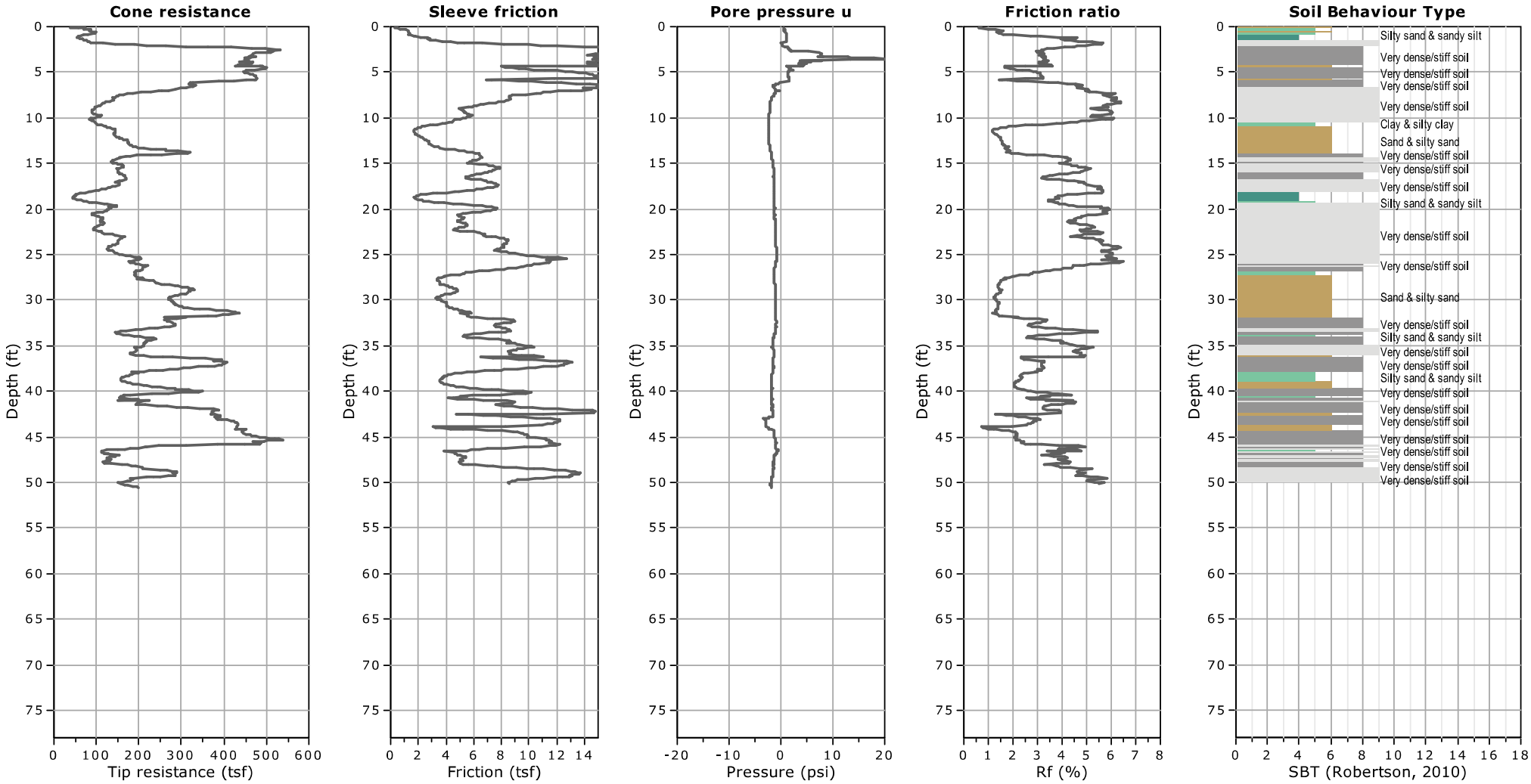
CPT-1
Total depth: 77.30 ft, Date: 4/12/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Terracon Consultants / Inland Empire Energy**
Location: **Sun City, CA**

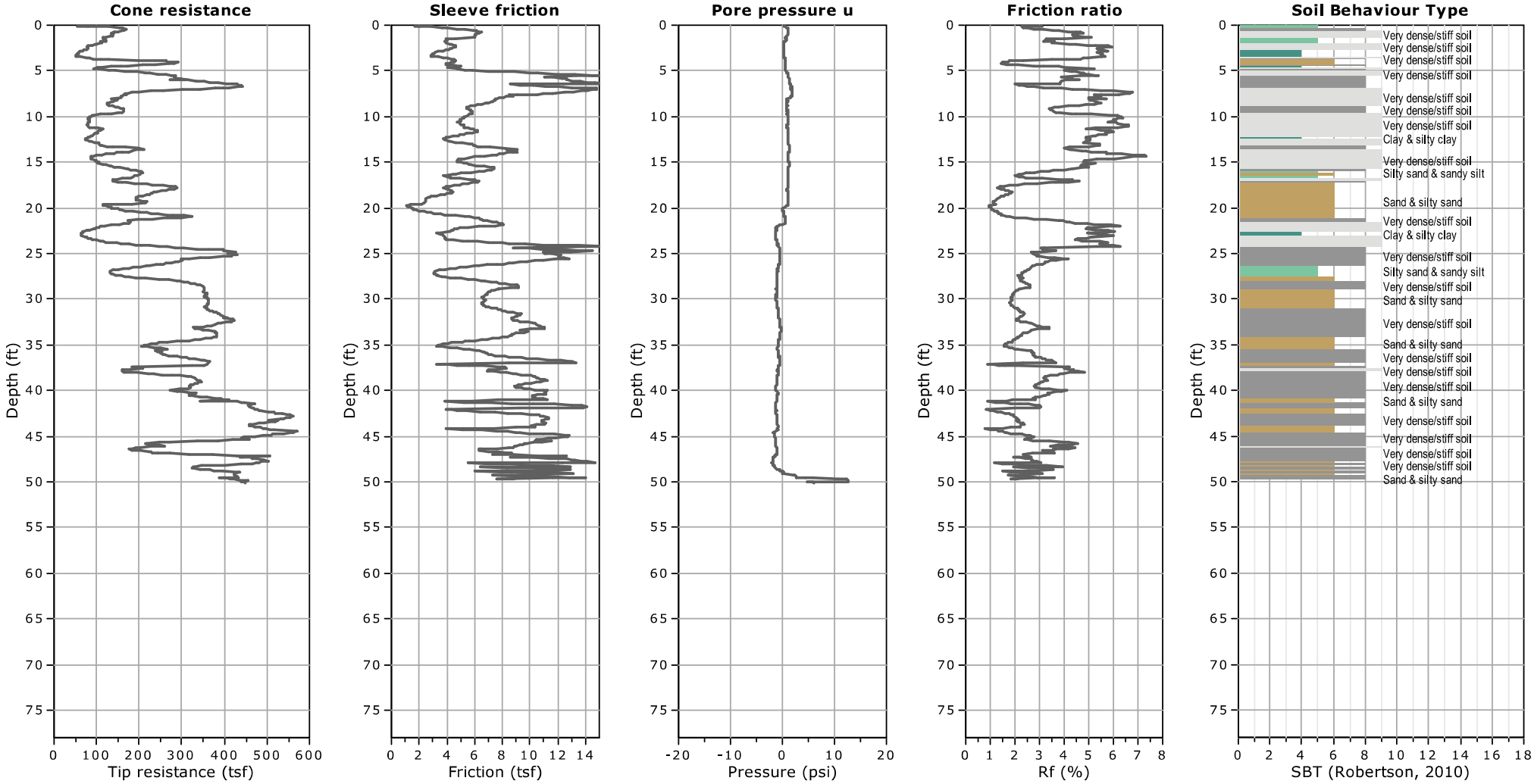
CPT-2
Total depth: 50.53 ft, Date: 4/12/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Terracon Consultants / Inland Empire Energy**
Location: **Sun City, CA**

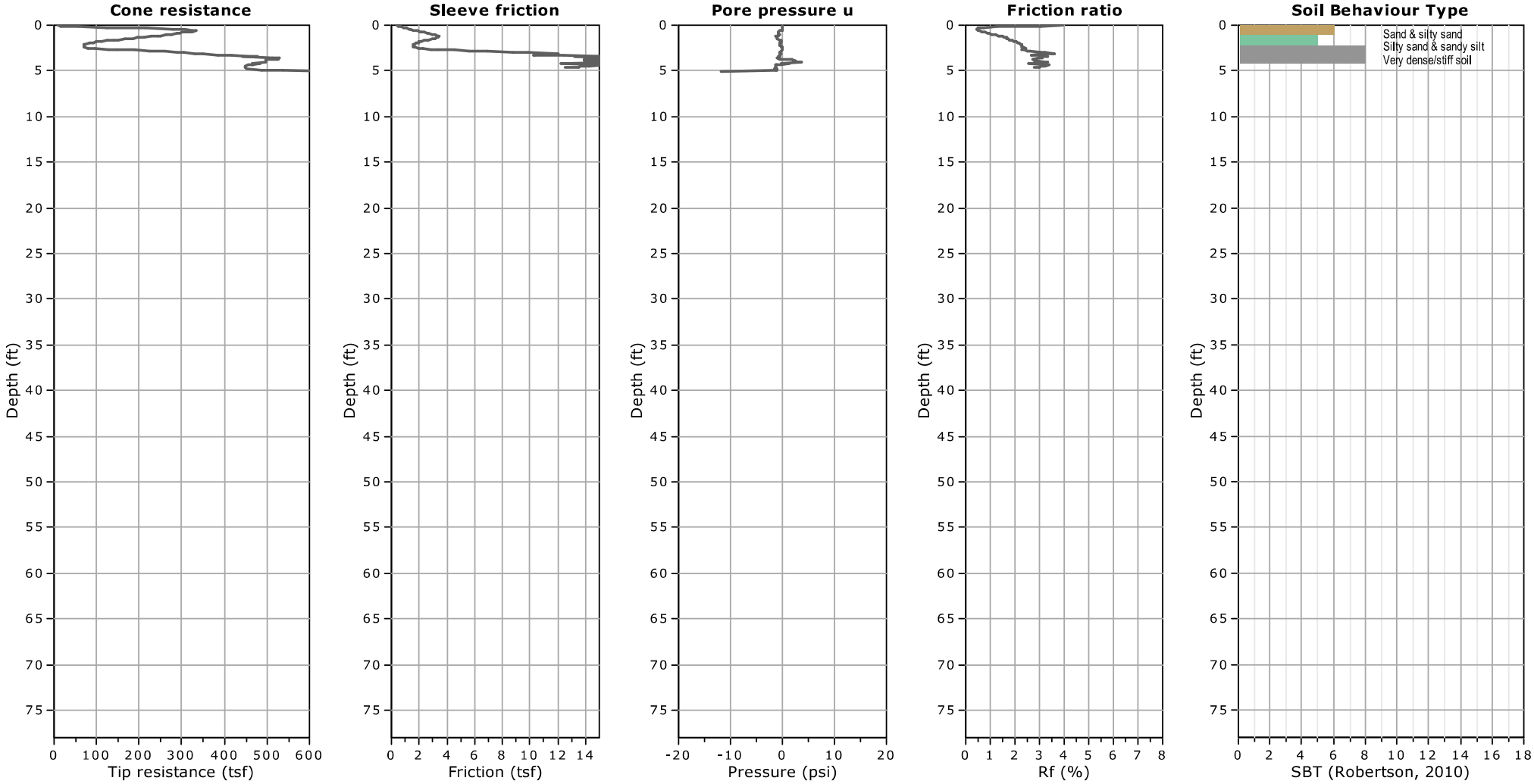
CPT-3
Total depth: 50.14 ft, Date: 4/12/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Terracon Consultants / Inland Empire Energy**
Location: **Sun City, CA**

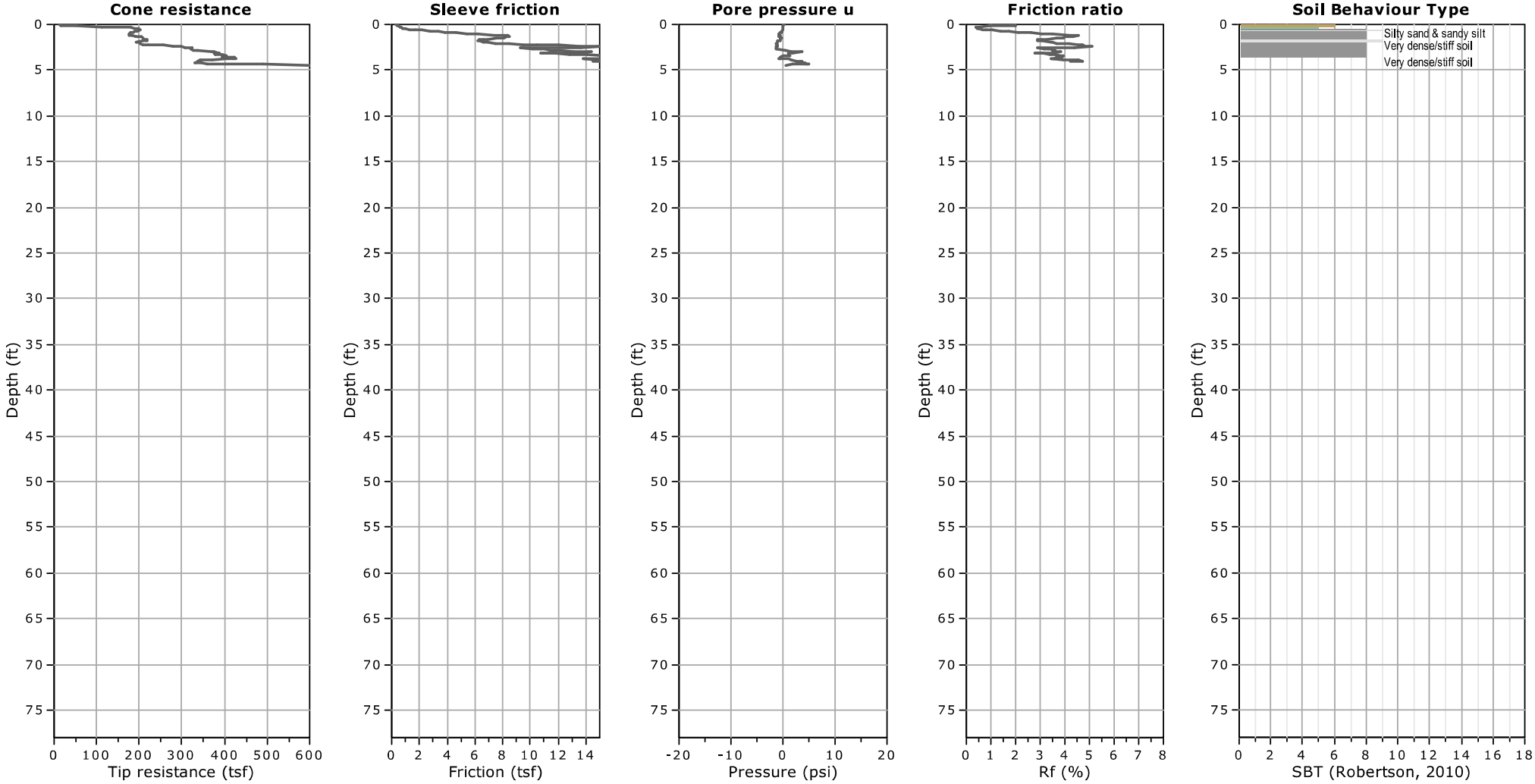
CPT-4
Total depth: 5.06 ft, Date: 4/12/2021



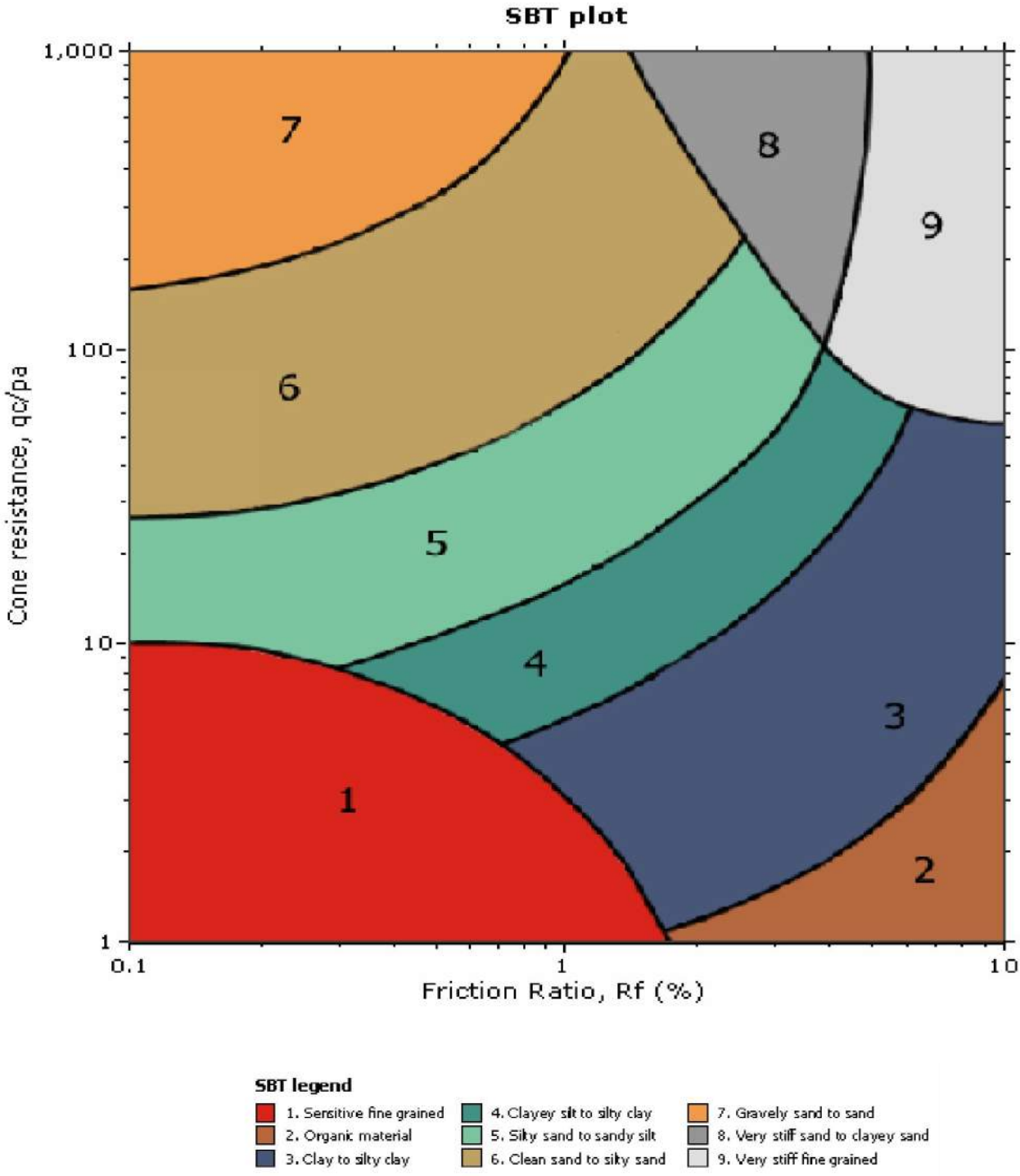
Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Terracon Consultants / Inland Empire Energy**
Location: **Sun City, CA**

CPT-4A
Total depth: 4.47 ft, Date: 4/12/2021



Kehoe Testing & Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com



Terracon Consultants
Inland Empire Energy
Sun City, CA

CPT Shear Wave Measurements

Location	Tip Depth (ft)	Geophone Depth (ft)	Travel Distance (ft)	S-Wave Arrival (msec)	S-Wave Velocity from Surface (ft/sec)	Interval S-Wave Velocity (ft/sec)
CPT-1	10.01	9.01	9.23	7.60	1214	
	20.08	19.08	19.18	14.44	1329	1455
	30.05	29.05	29.12	20.44	1425	1656
	40.06	39.06	39.11	25.36	1542	2031
	50.10	49.10	49.14	31.04	1583	1766
	60.79	59.79	59.82	37.80	1583	1580
	70.01	69.01	69.04	43.96	1570	1496
	77.26	76.26	76.29	49.26	1549	1367

Shear Wave Source Offset - 2 ft

S-Wave Velocity from Surface = Travel Distance/S-Wave Arrival
Interval S-Wave Velocity = (Travel Dist2-Travel Dist1)/(Time2-Time1)

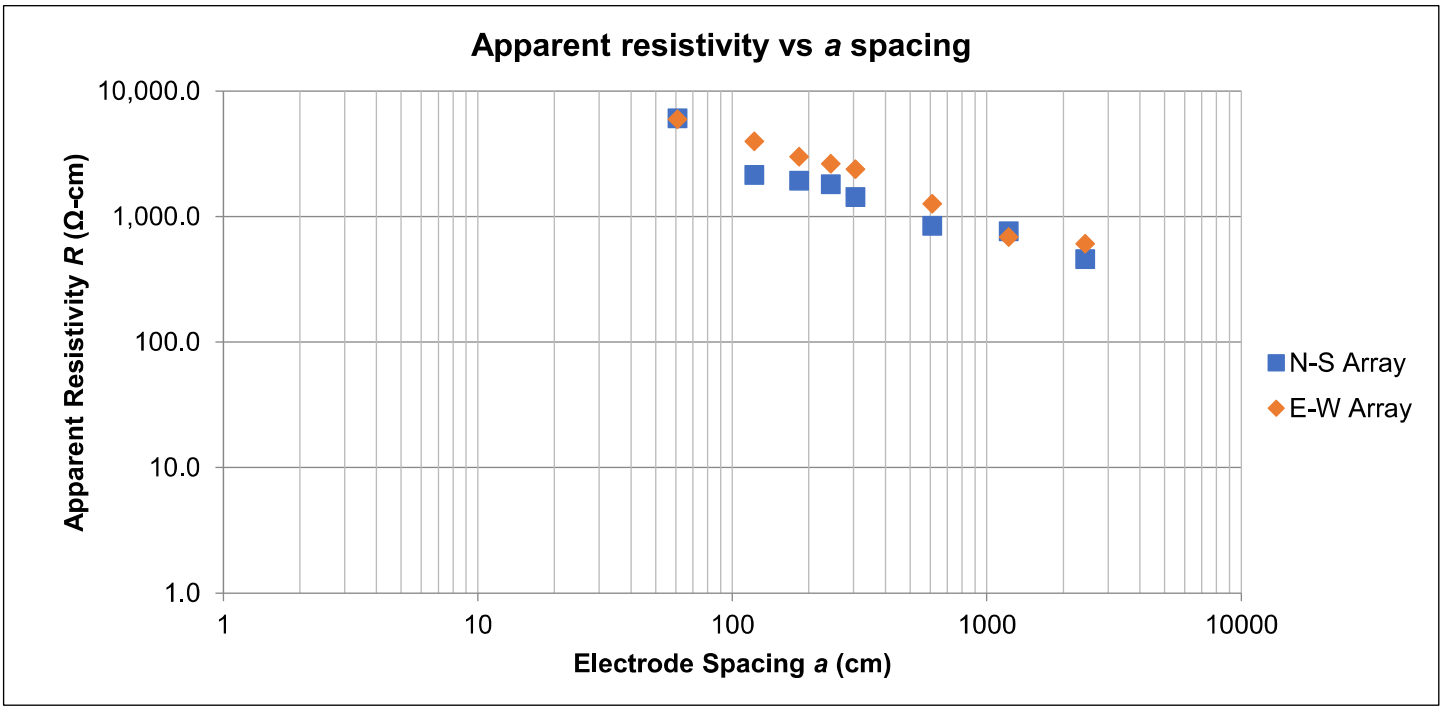
FIELD ELECTRICAL RESISTIVITY TEST DATA

Inland Empire Energy Center ■ Sun City, Riverside, CA
April 14, 2021 ■ Terracon Project No. 60205266

Array Loc.	ER-1		
Instrument	Mini Sting	**Weather**	clear skies, 80 degrees
Serial #	S1708249	**Ground Cond.**	Graded and covered with gravel
Cal. Check	1/12/2022	**Tested By**	AS
Test Date	April 14, 2021	**Method**	Wenner 4-pin (ASTM G57-06 (2012); IEEE 81-2012)
Notes & Conflicts			

Apparent resistivity ρ is calculated as : $$\rho = \frac{4\pi a R}{1 + \frac{2a}{\sqrt{a^2 + 4b^2}} - \frac{a}{\sqrt{a^2 + b^2}}}$$

Electrode Spacing *a*		Electrode Depth *b*		N-S Test		E-W Test	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance *R*	Apparent Resistivity ρ	Measured Resistance *R*	Apparent Resistivity ρ
				Ω	(Ω-cm)	Ω	(Ω-cm)
2	61	6	15	14.50	6090	14.30	6010
4	122	6	15	2.75	2160	5.07	3990
6	183	6	15	1.67	1940	2.60	3020
8	244	6	15	1.18	1820	1.72	2650
10	305	12	30	0.74	1440	1.23	2400
20	610	12	30	0.22	850	0.33	1270
40	1219	12	30	0.10	770	0.09	690
80	2438	12	30	0.03	460	0.04	610



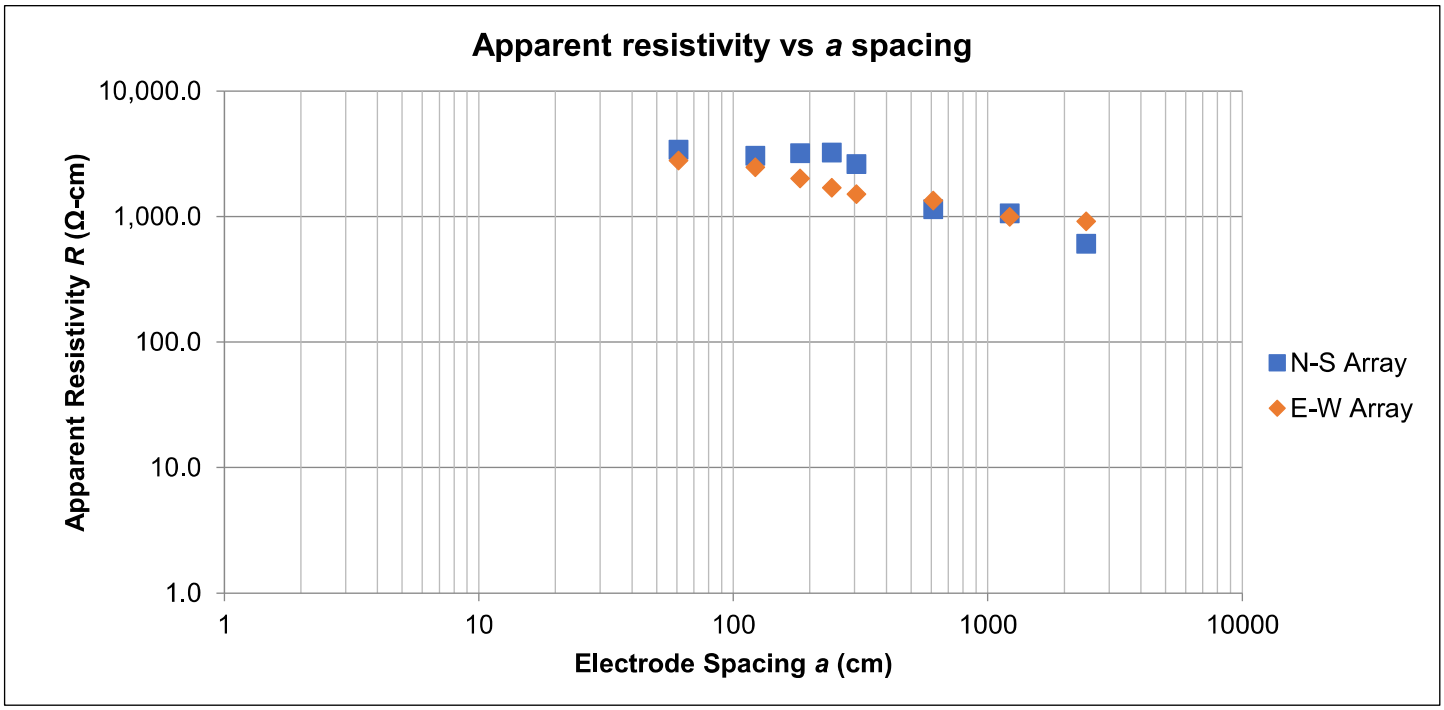
FIELD ELECTRICAL RESISTIVITY TEST DATA

Inland Empire Energy Center ■ Sun City, Riverside, CA
April 14, 2021 ■ Terracon Project No. 60205266

Array Loc.	ER-2		
Instrument	Mini Sting	**Weather**	clear skies, 80 degrees
Serial #	S1708249	**Ground Cond.**	Graded and covered with gravel
Cal. Check	1/12/2022	**Tested By**	AS
Test Date	April 14, 2021	**Method**	Wenner 4-pin (ASTM G57-06 (2012); IEEE 81-2012)
Notes & Conflicts			

Apparent resistivity ρ is calculated as : $$\rho = \frac{4\pi a R}{1 + \frac{2a}{\sqrt{a^2 + 4b^2}} - \frac{a}{\sqrt{a^2 + b^2}}}$$

Electrode Spacing *a*		Electrode Depth *b*		N-S Test		E-W Test	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance *R*	Apparent Resistivity ρ	Measured Resistance *R*	Apparent Resistivity ρ
				Ω	(Ω-cm)	Ω	(Ω-cm)
2	61	6	15	8.15	3430	6.69	2810
4	122	6	15	3.92	3080	3.17	2490
6	183	6	15	2.76	3210	1.74	2020
8	244	6	15	2.11	3260	1.11	1710
10	305	12	30	1.35	2630	0.78	1520
20	610	12	30	0.30	1150	0.35	1350
40	1219	12	30	0.14	1070	0.13	1000
80	2438	12	30	0.04	610	0.06	920



FIELD ELECTRICAL RESISTIVITY TEST DATA

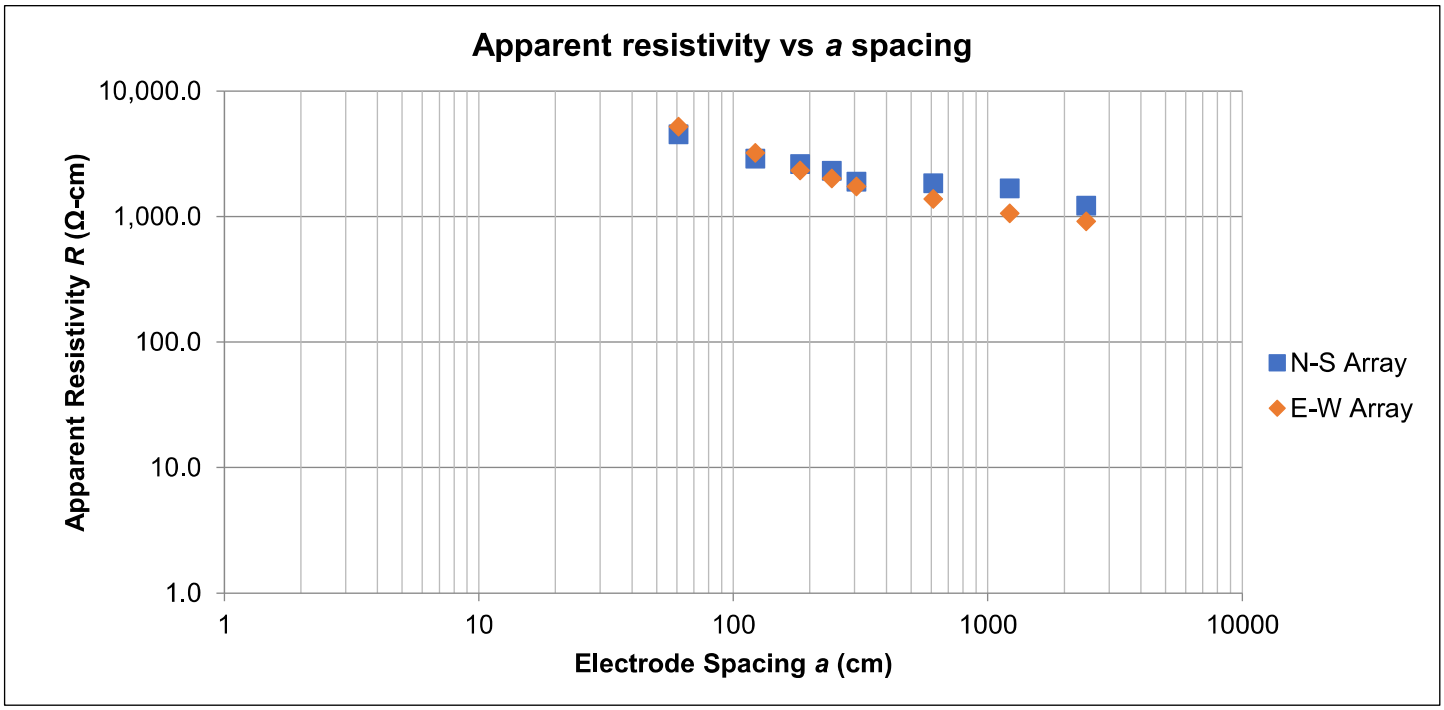
Inland Empire Energy Center ■ Sun City, Riverside, CA
April 14, 2021 ■ Terracon Project No. 60205266

Terracon GeoReport

Array Loc.	ER-3		
Instrument	Mini Sting	**Weather**	clear skies, 80 degrees
Serial #	S1708249	**Ground Cond.**	Graded and covered with gravel
Cal. Check	1/12/2022	**Tested By**	AS
Test Date	April 14, 2021	**Method**	Wenner 4-pin (ASTM G57-06 (2012); IEEE 81-2012)
Notes & Conflicts			

Apparent resistivity ρ is calculated as : $$\rho = \frac{4\pi a R}{1 + \frac{2a}{\sqrt{a^2 + 4b^2}} - \frac{a}{\sqrt{a^2 + b^2}}}$$

Electrode Spacing *a*		Electrode Depth *b*		N-S Test		E-W Test	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance *R*	Apparent Resistivity ρ	Measured Resistance *R*	Apparent Resistivity ρ
				Ω	(Ω-cm)	Ω	(Ω-cm)
2	61	6	15	10.80	4540	12.50	5250
4	122	6	15	3.71	2920	4.12	3240
6	183	6	15	2.26	2630	2.02	2350
8	244	6	15	1.51	2330	1.31	2020
10	305	12	30	0.98	1910	0.90	1750
20	610	12	30	0.48	1850	0.36	1390
40	1219	12	30	0.22	1690	0.14	1070
80	2438	12	30	0.08	1230	0.06	920



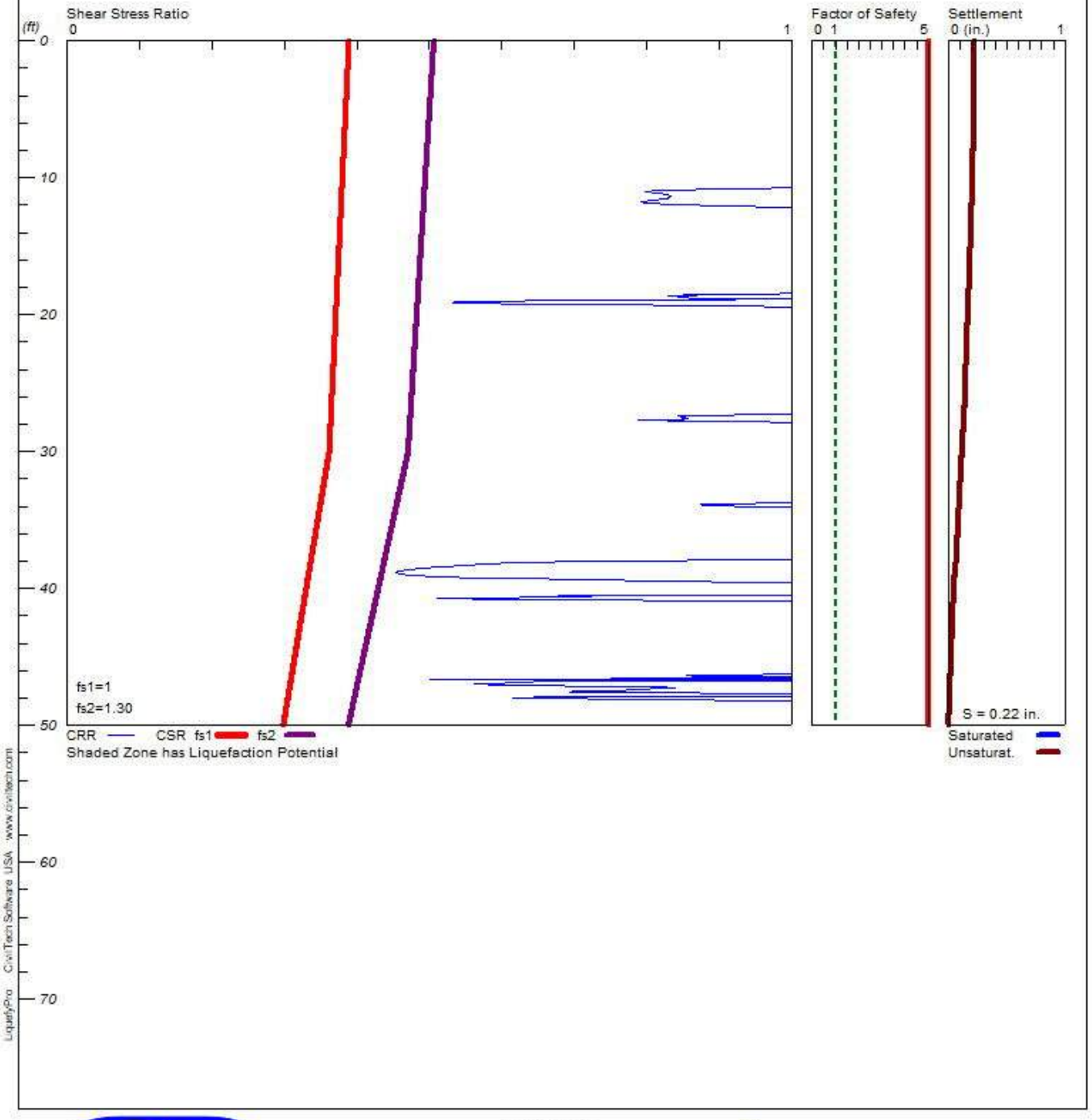
SUPPORTING INFORMATION

LIQUEFACTION ANALYSIS

Inland Empire Energy Center

Hole No.=CPT-2 Water Depth=80 ft

Magnitude=7.1
Acceleration=0.60g



60205266

****
LIQUEFACTION ANALYSIS SUMMARY

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www.civiltechsoftware.com

****
Font: Courier New, Regular, Size 8 is recommended for this report.
Licensed to , 4/28/2021 11:33:49 AM

Input File Name: C:\Users\vvnguyen\OneDrive - Terracon Consultants Inc\Desktop\Liquefaction\60205266\CPT-2.liq
Title: Inland Empire Energy Center
Subtitle: 60205266

Surface Elev.=
Hole No.=CPT-2
Depth of Hole= 50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration= 0.6 g
Earthquake Magnitude= 7.10

Input Data:
Surface Elev.=
Hole No.=CPT-2
Depth of Hole=50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration=0.6 g
Earthquake Magnitude=7.10
No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. CPT Calculation Method: Modify Robertson*
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
9. User request factor of safety (apply to CSR) , User= 1.3
   Plot two CSR (fs1=1, fs2=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:

Depth	qc	fs	Rf	gamma	Fines	D50
ft	atm	atm	pcf	%	mm	

0.00	0.28	0.16	57.86	125.00	0.00	0.50
1.22	55.89	2.47	4.41	125.00	0.00	0.50
2.37	465.40	17.04	3.66	125.00	0.00	0.50
3.55	448.30	14.64	3.27	125.00	0.00	0.50
4.73	472.40	10.35	2.19	125.00	0.00	0.50
5.91	453.60	8.12	1.79	125.00	0.00	0.50
7.09	246.10	12.16	4.94	125.00	0.00	0.50
8.30	122.20	7.81	6.39	125.00	0.00	0.50
9.46	89.76	5.39	6.01	125.00	0.00	0.50
10.63	99.58	3.75	3.77	125.00	0.00	0.50
11.81	140.70	1.84	1.31	125.00	0.00	0.50
13.02	180.90	2.93	1.62	125.00	0.00	0.50
14.21	179.80	6.47	3.60	125.00	0.00	0.50
15.36	163.10	7.57	4.64	125.00	0.00	0.50
16.54	170.70	5.39	3.15	125.00	0.00	0.50
17.72	127.90	7.00	5.47	125.00	0.00	0.50
18.90	47.91	1.81	3.79	125.00	0.00	0.50
20.11	125.00	7.37	5.90	125.00	0.00	0.50
21.27	113.20	4.85	4.28	125.00	0.00	0.50
22.44	108.70	5.52	5.08	125.00	0.00	0.50
23.64	151.90	8.44	5.55	125.00	0.00	0.50
24.81	143.00	8.60	6.01	125.00	0.00	0.50
25.99	192.10	10.70	5.57	125.00	0.00	0.50
27.19	191.40	5.05	2.64	125.00	0.00	0.50
28.36	272.00	3.82	1.40	125.00	0.00	0.50
29.53	286.20	3.67	1.28	125.00	0.00	0.50
30.72	300.10	4.17	1.39	125.00	0.00	0.50
31.90	311.40	6.20	1.99	125.00	0.00	0.50
33.07	238.50	8.14	3.41	125.00	0.00	0.50
34.25	241.20	7.13	2.95	125.00	0.00	0.50
35.45	194.30	9.05	4.66	125.00	0.00	0.50
36.62	377.70	11.50	3.04	125.00	0.00	0.50
37.79	224.20	6.82	3.04	125.00	0.00	0.50
38.99	166.20	3.54	2.13	125.00	0.00	0.50
40.16	299.80	10.14	3.38	125.00	0.00	0.50
41.36	198.20	8.23	4.15	125.00	0.00	0.50
42.52	372.80	4.72	1.26	125.00	0.00	0.50
43.70	433.70	10.96	2.53	125.00	0.00	0.50
44.88	464.70	9.95	2.14	125.00	0.00	0.50
46.07	218.90	10.87	4.97	125.00	0.00	0.50
47.25	127.80	5.39	4.22	125.00	0.00	0.50
48.45	208.10	9.88	4.75	125.00	0.00	0.50
49.61	180.70	10.49	5.81	125.00	0.00	0.50

Modify Robertson method generates Fines from qc/fs. Inputted Fines are not relevant.

Output Results:

Settlement of Saturated Sands=0.00 in.

Settlement of Unsaturated Sands=0.22 in.

Total Settlement of Saturated and Unsaturated Sands=0.22 in.

Differential Settlement=0.111 to 0.147 in.

Depth ft	CRRm	CSRfs	F.S.	S_sat. in.	S_dry in.	S_all in.
0.00	2.00	0.39	5.00	0.00	0.22	0.22
1.00	2.39	0.39	5.00	0.00	0.22	0.22
2.00	2.39	0.39	5.00	0.00	0.22	0.22
3.00	2.39	0.39	5.00	0.00	0.22	0.22
4.00	2.39	0.39	5.00	0.00	0.22	0.22
5.00	2.39	0.39	5.00	0.00	0.22	0.22
6.00	2.39	0.38	5.00	0.00	0.22	0.22
7.00	2.39	0.38	5.00	0.00	0.21	0.21
8.00	2.39	0.38	5.00	0.00	0.21	0.21
9.00	2.39	0.38	5.00	0.00	0.21	0.21
10.00	2.39	0.38	5.00	0.00	0.21	0.21
11.00	0.80	0.38	5.00	0.00	0.20	0.20
12.00	0.86	0.38	5.00	0.00	0.20	0.20
13.00	1.39	0.38	5.00	0.00	0.19	0.19
14.00	2.39	0.38	5.00	0.00	0.19	0.19
15.00	1.81	0.38	5.00	0.00	0.19	0.19
16.00	2.39	0.38	5.00	0.00	0.18	0.18
17.00	2.39	0.37	5.00	0.00	0.18	0.18
18.00	2.35	0.37	5.00	0.00	0.18	0.18
19.00	0.58	0.37	5.00	0.00	0.17	0.17
20.00	2.39	0.37	5.00	0.00	0.17	0.17
21.00	1.45	0.37	5.00	0.00	0.16	0.16
22.00	1.87	0.37	5.00	0.00	0.16	0.16
23.00	1.83	0.37	5.00	0.00	0.15	0.15
24.00	2.39	0.37	5.00	0.00	0.15	0.15
25.00	2.39	0.37	5.00	0.00	0.15	0.15
26.00	2.39	0.37	5.00	0.00	0.14	0.14
27.00	1.17	0.37	5.00	0.00	0.14	0.14
28.00	1.04	0.36	5.00	0.00	0.13	0.13
29.00	1.98	0.36	5.00	0.00	0.12	0.12
30.00	1.23	0.36	5.00	0.00	0.12	0.12
31.00	2.09	0.36	5.00	0.00	0.11	0.11
32.00	1.95	0.36	5.00	0.00	0.10	0.10
33.00	1.82	0.35	5.00	0.00	0.10	0.10
34.00	0.95	0.35	5.00	0.00	0.09	0.09
35.00	2.22	0.35	5.00	0.00	0.08	0.08
36.00	1.92	0.34	5.00	0.00	0.08	0.08
37.00	2.26	0.34	5.00	0.00	0.07	0.07
38.00	0.76	0.34	5.00	0.00	0.07	0.07
39.00	0.47	0.33	5.00	0.00	0.05	0.05
40.00	2.22	0.33	5.00	0.00	0.05	0.05
41.00	1.16	0.33	5.00	0.00	0.04	0.04
42.00	2.20	0.32	5.00	0.00	0.04	0.04
43.00	2.18	0.32	5.00	0.00	0.03	0.03
44.00	1.93	0.32	5.00	0.00	0.03	0.03
45.00	2.16	0.32	5.00	0.00	0.02	0.02

46.00	2.15	0.31	5.00	0.00	0.02	0.02
47.00	0.56	0.31	5.00	0.00	0.01	0.01
48.00	0.63	0.31	5.00	0.00	0.01	0.01
49.00	2.12	0.30	5.00	0.00	0.00	0.00
50.00	2.00	0.30	5.00	0.00	0.00	0.00

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

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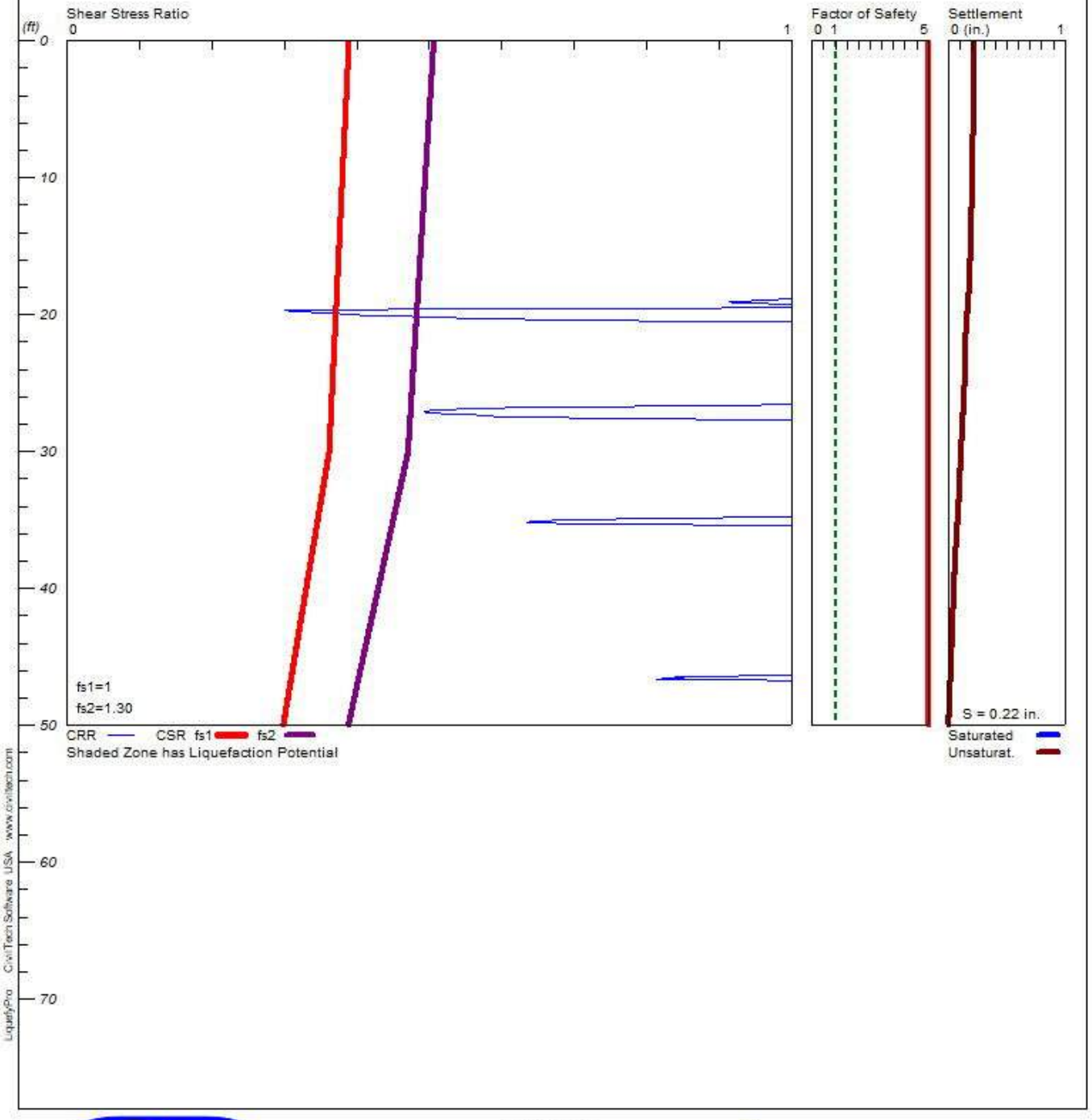
1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

LIQUEFACTION ANALYSIS

Inland Empire Energy Center

Hole No.=CPT-3 Water Depth=80 ft

Magnitude=7.1
Acceleration=0.60g





60205266



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LIQUEFACTION ANALYSIS SUMMARY

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Input File Name: C:\Users\vvnguyen\OneDrive - Terracon Consultants Inc\Desktop\Liquefaction\60205266\CPT-3.liq
Title: Inland Empire Energy Center
Subtitle: 60205266

Surface Elev.=
Hole No.=CPT-3
Depth of Hole= 50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration= 0.6 g
Earthquake Magnitude= 7.10

Input Data:
Surface Elev.=
Hole No.=CPT-3
Depth of Hole=50.00 ft
Water Table during Earthquake= 80.00 ft
Water Table during In-Situ Testing= 80.00 ft
Max. Acceleration=0.6 g
Earthquake Magnitude=7.10
No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. CPT Calculation Method: Modify Robertson*
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
9. User request factor of safety (apply to CSR) , User= 1.3
   Plot two CSR (fs1=1, fs2=User)
10. Use Curve Smoothing: Yes*
* Recommended Options

In-Situ Test Data:

Depth	qc	fs	Rf	gamma	Fines	D50
ft	atm	atm	pcf	%	mm	

0.10	54.78	1.72	3.13	125.00	0.00	0.50
0.95	139.70	6.16	4.41	125.00	0.00	0.50
1.78	122.10	3.89	3.19	125.00	0.00	0.50
2.63	77.86	4.18	5.37	125.00	0.00	0.50
3.50	60.92	3.37	5.53	125.00	0.00	0.50
4.33	208.60	4.36	2.09	125.00	0.00	0.50
5.21	213.90	10.00	4.68	125.00	0.00	0.50
6.04	313.90	12.72	4.05	125.00	0.00	0.50
6.90	399.30	14.04	3.52	125.00	0.00	0.50
7.76	159.70	8.76	5.48	125.00	0.00	0.50
8.60	124.20	6.79	5.47	125.00	0.00	0.50
9.48	163.00	5.82	3.57	125.00	0.00	0.50
10.30	82.44	4.95	6.00	125.00	0.00	0.50
11.17	84.37	5.22	6.18	125.00	0.00	0.50
12.03	92.06	4.97	5.40	125.00	0.00	0.50
12.89	105.10	5.01	4.77	125.00	0.00	0.50
13.75	182.70	8.58	4.70	125.00	0.00	0.50
14.60	87.21	5.26	6.03	125.00	0.00	0.50
15.44	136.20	6.66	4.89	125.00	0.00	0.50
16.29	203.50	4.61	2.26	125.00	0.00	0.50
17.15	149.40	6.23	4.17	125.00	0.00	0.50
18.00	270.20	4.15	1.54	125.00	0.00	0.50
18.86	194.30	2.73	1.41	125.00	0.00	0.50
19.69	116.80	1.14	0.98	125.00	0.00	0.50
20.57	218.80	2.90	1.33	125.00	0.00	0.50
21.39	172.90	6.67	3.86	125.00	0.00	0.50
22.25	96.46	4.73	4.90	125.00	0.00	0.50
23.12	63.30	3.79	5.99	125.00	0.00	0.50
23.96	176.70	9.69	5.49	125.00	0.00	0.50
24.81	425.60	12.91	3.03	125.00	0.00	0.50
25.66	297.40	11.81	3.97	125.00	0.00	0.50
26.54	185.50	4.91	2.65	125.00	0.00	0.50
27.36	148.30	3.31	2.23	125.00	0.00	0.50
28.22	320.70	7.82	2.44	125.00	0.00	0.50
29.09	352.00	7.20	2.04	125.00	0.00	0.50
29.92	360.10	6.57	1.83	125.00	0.00	0.50
30.79	354.40	6.83	1.93	125.00	0.00	0.50
31.63	389.40	9.33	2.40	125.00	0.00	0.50
32.49	413.20	9.63	2.33	125.00	0.00	0.50
33.34	350.10	9.25	2.64	125.00	0.00	0.50
34.20	376.30	7.96	2.12	125.00	0.00	0.50
35.07	212.90	3.33	1.56	125.00	0.00	0.50
35.90	251.50	6.82	2.71	125.00	0.00	0.50
36.74	351.90	12.25	3.48	125.00	0.00	0.50
37.61	202.10	8.11	4.01	125.00	0.00	0.50
38.47	313.20	10.28	3.28	125.00	0.00	0.50
39.31	327.40	9.41	2.87	125.00	0.00	0.50
40.15	300.60	11.08	3.69	125.00	0.00	0.50
41.01	406.70	9.97	2.45	125.00	0.00	0.50
41.87	463.70	13.84	2.98	125.00	0.00	0.50
42.72	551.80	10.62	1.92	125.00	0.00	0.50

43.58	481.20	11.15	2.32	125.00	0.00	0.50
44.42	569.50	7.60	1.34	125.00	0.00	0.50
45.28	460.10	10.89	2.37	125.00	0.00	0.50
46.14	226.40	8.86	3.91	125.00	0.00	0.50
46.99	316.90	7.34	2.32	125.00	0.00	0.50
47.84	479.90	14.66	3.05	125.00	0.00	0.50
48.69	367.20	12.96	3.53	125.00	0.00	0.50
49.54	388.70	13.97	3.59	125.00	0.00	0.50

Modify Robertson method generates Fines from qc/fs. Inputted Fines are not relevant.

Output Results:

Settlement of Saturated Sands=0.00 in.
Settlement of Unsaturated Sands=0.22 in.
Total Settlement of Saturated and Unsaturated Sands=0.22 in.
Differential Settlement=0.110 to 0.146 in.

Depth ft	CRRm	CSRfs	F.S.	S_sat. in.	S_dry in.	S_all in.
0.10	2.39	0.39	5.00	0.00	0.22	0.22
1.10	2.39	0.39	5.00	0.00	0.22	0.22
2.10	2.39	0.39	5.00	0.00	0.22	0.22
3.10	2.39	0.39	5.00	0.00	0.22	0.22
4.10	2.39	0.39	5.00	0.00	0.22	0.22
5.10	2.39	0.39	5.00	0.00	0.22	0.22
6.10	2.39	0.38	5.00	0.00	0.21	0.21
7.10	2.39	0.38	5.00	0.00	0.21	0.21
8.10	2.39	0.38	5.00	0.00	0.21	0.21
9.10	2.39	0.38	5.00	0.00	0.21	0.21
10.10	2.39	0.38	5.00	0.00	0.20	0.20
11.10	2.39	0.38	5.00	0.00	0.20	0.20
12.10	2.01	0.38	5.00	0.00	0.20	0.20
13.10	2.39	0.38	5.00	0.00	0.20	0.20
14.10	2.39	0.38	5.00	0.00	0.19	0.19
15.10	1.85	0.38	5.00	0.00	0.19	0.19
16.10	2.30	0.38	5.00	0.00	0.19	0.19
17.10	1.98	0.37	5.00	0.00	0.18	0.18
18.10	2.22	0.37	5.00	0.00	0.18	0.18
19.10	0.92	0.37	5.00	0.00	0.17	0.17
20.10	0.46	0.37	5.00	0.00	0.16	0.16
21.10	2.39	0.37	5.00	0.00	0.15	0.15
22.10	2.13	0.37	5.00	0.00	0.15	0.15
23.10	2.00	0.37	5.00	0.00	0.15	0.15
24.10	2.39	0.37	5.00	0.00	0.14	0.14
25.10	2.39	0.37	5.00	0.00	0.14	0.14
26.10	2.41	0.37	5.00	0.00	0.13	0.13
27.10	0.49	0.37	5.00	0.00	0.13	0.13
28.10	2.38	0.36	5.00	0.00	0.12	0.12
29.10	2.36	0.36	5.00	0.00	0.11	0.11

30.10	2.35	0.36	5.00	0.00	0.11	0.11
31.10	2.34	0.36	5.00	0.00	0.10	0.10
32.10	2.32	0.36	5.00	0.00	0.10	0.10
33.10	2.31	0.35	5.00	0.00	0.09	0.09
34.10	2.29	0.35	5.00	0.00	0.09	0.09
35.10	0.64	0.35	5.00	0.00	0.08	0.08
36.10	1.52	0.34	5.00	0.00	0.07	0.07
37.10	1.54	0.34	5.00	0.00	0.06	0.06
38.10	1.56	0.34	5.00	0.00	0.06	0.06
39.10	2.23	0.33	5.00	0.00	0.05	0.05
40.10	2.22	0.33	5.00	0.00	0.05	0.05
41.10	2.10	0.33	5.00	0.00	0.04	0.04
42.10	2.20	0.32	5.00	0.00	0.04	0.04
43.10	2.18	0.32	5.00	0.00	0.03	0.03
44.10	2.17	0.32	5.00	0.00	0.03	0.03
45.10	2.16	0.31	5.00	0.00	0.02	0.02
46.10	1.41	0.31	5.00	0.00	0.02	0.02
47.10	2.14	0.31	5.00	0.00	0.01	0.01
48.10	2.13	0.31	5.00	0.00	0.01	0.01
49.10	2.12	0.30	5.00	0.00	0.00	0.00

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

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1 atm (atmosphere) = 1 tsf (ton/ft2)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

GENERAL NOTES

Terracon GeoReport

DESCRIPTION OF SYMBOLS AND ABBREVIATIONS

SAMPLING


Auger


Shelby Tube


Split Spoon


Rock Core


Macro Core


Modified California Ring Sampler


Grab Sample


No Recovery


Modified Dames & Moore Ring Sampler

WATER LEVEL


Water Initially Encountered


Water Level After a Specified Period of Time


Water Level After a Specified Period of Time

Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.

FIELD TESTS

(HP)	Hand Penetrometer
(T)	Torvane
(b/f)	Standard Penetration Test (blows per foot)
N	N value
(PID)	Photo-Ionization Detector
(OVA)	Organic Vapor Analyzer
(WOH)	Weight of Hammer

DESCRIPTIVE SOIL CLASSIFICATION

Soil classification is based on the Unified Soil Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

LOCATION AND ELEVATION NOTES

Unless otherwise noted, Latitude and Longitude are approximately determined using a hand-held GPS device. The accuracy of such devices is variable. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

STRENGTH TERMS

RELATIVE DENSITY OF COARSE-GRAINED SOILS (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance Includes gravels, sands and silts.			CONSISTENCY OF FINE-GRAINED SOILS (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance			
Descriptive Term (Density)	**Standard Penetration or N-Value Blows/Ft.**	**Ring Sampler Blows/Ft.**	**Descriptive Term (Consistency)**	**Unconfined Compressive Strength, Qu, psf**	**Standard Penetration or N-Value Blows/Ft.**	**Ring Sampler Blows/Ft.**
Very Loose	0 - 3	0 - 6	Very Soft	less than 500	0 - 1	< 3
Loose	4 - 9	7 - 18	Soft	500 to 1,000	2 - 4	3 - 4
Medium Dense	10 - 29	19 - 58	Medium-Stiff	1,000 to 2,000	4 - 8	5 - 9
Dense	30 - 50	59 - 98	Stiff	2,000 to 4,000	8 - 15	10 - 18
Very Dense	> 50	≥ 99	Very Stiff	4,000 to 8,000	15 - 30	19 - 42
			Hard	> 8,000	> 30	> 42

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

Major Component of Sample	Particle Size
Boulders	Over 12 in. (300 mm)
Cobbles	12 in. to 3 in. (300mm to 75mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm
Silt or Clay	Passing #200 sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 5
With	5 - 12
Modifier	> 12

PLASTICITY DESCRIPTION

Term	Plasticity Index
Non-plastic	0
Low	1 - 10
Medium	11 - 30
High	> 30

UNIFIED SOIL CLASSIFICATION SYSTEM

Terracon GeoReport

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests [A]					Soil Classification	
					Group Symbol	Group Name [B]
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	**Gravels:** More than 50% of coarse fraction retained on No. 4 sieve	**Clean Gravels:** Less than 5% fines [C]	Cu ≥ 4 and 1 ≤ Cc ≤ 3 [E]		GW	Well-graded gravel [F]
			Cu < 4 and/or [Cc<1 or Cc>3.0] [E]		GP	Poorly graded gravel [F]
		Gravels with Fines: More than 12% fines [C]	Fines classify as ML or MH		GM	Silty gravel [F, G, H]
			Fines classify as CL or CH		GC	Clayey gravel [F, G, H]
	Sands: 50% or more of coarse fraction passes No. 4 sieve	**Clean Sands:** Less than 5% fines [D]	Cu ≥ 6 and 1 ≤ Cc ≤ 3 [E]		SW	Well-graded sand [I]
			Cu < 6 and/or [Cc<1 or Cc>3.0] [E]		SP	Poorly graded sand [I]
		Sands with Fines: More than 12% fines [D]	Fines classify as ML or MH		SM	Silty sand [G, H, I]
			Fines classify as CL or CH		SC	Clayey sand [G, H, I]
Fine-Grained Soils: 50% or more passes the No. 200 sieve	**Silts and Clays:** Liquid limit less than 50	**Inorganic:**	PI > 7 and plots on or above "A"		CL	Lean clay [K, L, M]
			PI < 4 or plots below "A" line [J]		ML	Silt [K, L, M]
		Organic:	Liquid limit - oven dried	< 0.75	OL	Organic clay [K, L, M, N]
			Liquid limit - not dried			Organic silt [K, L, M, O]
	Silts and Clays: Liquid limit 50 or more	**Inorganic:**	PI plots on or above "A" line		CH	Fat clay [K, L, M]
			PI plots below "A" line		MH	Elastic Silt [K, L, M]
		Organic:	Liquid limit - oven dried	< 0.75	OH	Organic clay [K, L, M, P]
			Liquid limit - not dried			Organic silt [K, L, M, Q]
Highly organic soils:	Primarily organic matter, dark in color, and organic odor				PT	Peat

[A] Based on the material passing the 3-inch (75-mm) sieve.

[B] If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

[C] Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

[D] Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.

[E] $Cu = D_{60}/D_{10}$ $\quad Cc = \dfrac{(D_{30})^2}{D_{10} \times D_{60}}$

[F] If soil contains ≥ 15% sand, add "with sand" to group name.

[G] If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

[H] If fines are organic, add "with organic fines" to group name.

[I] If soil contains ≥ 15% gravel, add "with gravel" to group name.

[J] If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

[K] If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

[L] If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.

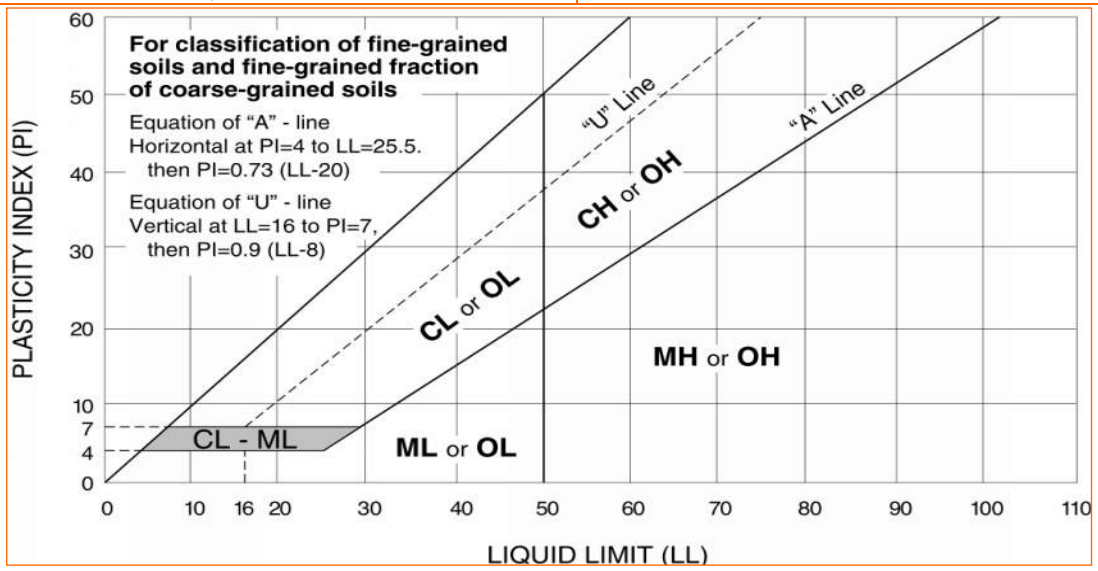
[M] If soil contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

[N] PI ≥ 4 and plots on or above "A" line.

[O] PI < 4 or plots below "A" line.

[P] PI plots on or above "A" line.

[Q] PI plots below "A" line.



Appendix 4: Historical Site Conditions

Phase I Environmental Site Assessment or Other Information on Past Site Use

MONUMENT SCHEDULE			
No.	PLANT GRID		ELEVATION USGS MSL
BM1	N 5245.5418	E 9717.0300	1440.71
BM2	N 5255.4429	E 10876.0560	1447.87
BM3	N 4208.1658	E 10882.2046	1443.88
BM4	N 4199.8906	E 9726.3623	1439.91

NOTES:

1. FINAL GRADE SHALL BE A MINIMUM DISTANCE OF 2 INCHES BELOW THE TOP OF CONCRETE FOUNDATIONS. 6 INCHES IS THE PREFERRED VALUE TO BE USED.
2. THE FINISHED GROUND SURFACE SHALL BE SLOPED AT A PITCH OF 4% FOR A DISTANCE OF NOT LESS THAN THREE FEET AWAY FROM BUILDING FOUNDATIONS, AND 1% FROM EQUIPMENT FOUNDATIONS PER RIVERSIDE COUNTY ORDINANCE NO. 457.
3. EXCAVATION AND GRADING WILL BE IN ACCORDANCE WITH CBC, APPENDIX 33.
4. NOTE REMOVED.
5. TOPOGRAPHY AND PROPERTY MAPPING WAS OBTAINED FROM 0034.DWG FILE PROVIDED BY CALPINE.
6. FINISH FLOOR ELEVATION OF BUILDING AND TOP OF CONCRETE FOR FOUNDATIONS IS AT ELEVATION 1446.0 FEET.
7. FOR MDP FLOOD CONTROL CHANNEL REFER TO ROMOLAND MDP LINEAR - STAGE 3, W.O. No. 4-8-310, DRAWING No. 4-846, SHEET 8 OF 25 AND SHEET 9 OF 25 PREPARED BY ALBERT A. WEBB, ASSOC.
8. FOR ANTELOPE ROAD STREET IMPROVEMENTS REFER TO COUNTY OF RIVERSIDE, STREET IMPROVEMENT PLANS, ANTELOPE ROAD, W.O. 05-0365, SHEETS 1 THRU 6 PREPARED BY ALBERT A. WEBB, ASSOC.
9. FOR LANDSCAPE BERM ALONG SAN JACINTO ROAD REFER TO INLAND EMPIRE ENERGY CENTER 7H LAUNCH DWG No. 126E5011 PREPARED BY ALBERT A. WEBB, ASSOC.
10. NON-STRUCTURAL WEST LANSCAPE BERM CONSTRUCTED DURING ROUGH GRADING, REFER TO DWG C102-9SP1-020.
11. THE 100 YEAR FLOOD PLAIN (ZONE A) DOES NOT ENCROACH ON THE PROJECT SITE.
12. INLAND EMPIRE ENERGY CENTER WILL BE RESPONSIBLE FOR MAINTAINANCE OF THE SITE STORM DRAIN PIPES AND STRUCTURES, AND GRASS (VEGETATED) SWALES.
13. AREA NORTH OF NORTH FENCE AND PLANT ACCESS DRIVEWAY WILL DRAIN OVERLAND FROM EAST TO WEST TO STORM DRAINAGE FACILITIES IN ANTELOPE ROAD. THE TEMPORARY WAREHOUSE STRUCTURE, FOUNDATION AND APPURTENANT DRIVEWAYS WILL BE REMOVED AND THE AREA FINE GRADED TO PRE-EXISTING NATURAL CONTOURS AND PERMANENTLY STABILIZED WITH GRASS.

LEGEND:

- EXISTING CONTOURS
- PROPOSED CONTOURS
- CB CATCH BASIN
- MH MANHOLE

REFERENCES.

C101-9GA-001	GENERAL ARRANGEMENT - SITE PLAN
C101-9SP1-002	FINAL PLANT SURFACING PLAN
C101-9SP1-003	ROADWAY LOCATION PLAN
C101-9SP1-004	PERMANENT FENCING LOCATION PLAN
C101-9SP1-005	PLANT ACCESS DRIVEWAY - PLAN, SECTION & DETAILS
C101-9SP1-006	INTERIM STORM WATER RETENTION BASINS PLAN
C101-9SP1-007	FINAL GRADING & DRAINAGE PLAN WITH FLOOD CONTROL CHANNEL AVAILABLE
C101-9SP1-020	CATCH BASIN, MANHOLE DETAILS AND SCHEDULES
C101-9SP1-021	CONSTRUCTION DETAILS - DRAINAGE
C101-9SP1-022	PAVING AND SURFACING DETAILS
C101-9SP1-026	INTERIM STORM WATER RETENTION BASINS OUTLET WORKS DETAILS AND SECTIONS

1"=50' SCALE IN FEET 0 50 100 150

REV	DATE	DESCRIPTION	BY	CHKD	LEAD DESIGNER	PROJECT MANAGER
D	#12 #28	FOR BID	BI	KJF	AL/MK	JF/MP/KJF	KMP/KJF	DRE
C	#3 #28	FOR BID	BI	MS	RES/KJF	KMP/KJF	DRE
B	#5 #6	FOR CONSTRUCTION AND FINAL CBO APPROVAL	118	SSC	AL/MK	JF/KE	MP/KJF	DRE
A	#6 #8	ISSUED FOR CBO REVIEW		KJF	MP/KJF	MP/KJF	DRE
	#4 #8	FOR REVIEW		GJU	AL/MK	JF/KJF	MP/KJF	DRE

PRELIMINARY STATUS — DATE / / — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE 06/06/06 — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" REMAINS PRELIMINARY STATUS.

LDE P KHAN

ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL
DRAWN BY: GJU	DOCUMENT PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PRADIP KHAN, STATE OF CA, LIC. NO. 54552, DATED 06/06/06
CHECKED BY: AL MERKEL	
LEAD DESIGNER: KJ FRITZ	
ENGINEER/TECH SPECIALIST: KE MIRANDA	
PROJECT ENGINEERING MANAGER: KR GABLE	
PROJECT MANAGER: DR ERALI	

PARSONS E&C

GE ENERGY — GENERAL ELECTRIC COMPANY, GENERAL ELECTRIC INTERNATIONAL, INC, GLOBAL POWER PLANT SYSTEMS DEPARTMENT

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CLIENT/PROJECT TITLE
Inland Empire Energy Center
7H Launch

FINAL GRADING & DRAINAGE PLAN

SCALE 1"=50'

DRAWING NO. C101-9SP1-001 REV D

No Technical Comments
4-17-08
Stamp?

Appendix 5: LID Infeasibility

NOTE: LID BMPs will be implemented in all project DMAs. There are no documents found in Appendix 5. It is kept as a placeholder in case of future changes.

Appendix 6: BMP Design Details

BMP Sizing, Design Details and other Supporting Documentation

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Jacobs | Date: 5/23/2022

Designed by: Ilya Elkin | Case No:

Company Project Number/Name: Nova Power Bank

BMP Identification

BMP NAME / ID: East Basin

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.65 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	Design Storm Depth (in)	Design Capture Volume, V_{BMP} (cubic feet)	Proposed Volume on Plans (cubic feet)
E1	158005	Mixed Surface Types	0.69	0.48	76563.3			
E2	47994	Mixed Surface Types	0.63	0.43	20761.2			
E3	179764	Mixed Surface Types	0.13	0.13	23247.6			
E4	65236	Mixed Surface Types	0.61	0.42	27180.7			
E5	94624	Mixed Surface Types	0.18	0.16	15050.1			
E6	105739	Mixed Surface Types	0.9	0.73	77219.3			
E7	77432	Mixed Surface Types	0.01	0.05	3690.6			
	728794	Total			243712.8	0.65	13201.1	210438

Notes:

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Jacobs — Date: 5/23/2022

Designed by: Ilya Elkin — Case No:

Company Project Number/Name: Nova Power Bank

BMP Identification

BMP NAME / ID: West Basin

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.65 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	Design Storm Depth (in)	Design Capture Volume, V_{BMP} (cubic feet)	Proposed Volume on Plans (cubic feet)
W1	408237	Mixed Surface Types	0.49	0.33	135912.2			
W2	86229	Mixed Surface Types	0.83	0.64	54813.3			
W2	87581	Mixed Surface Types	0.86	0.67	59072.3			
W4	107527	Mixed Surface Types	0.26	0.20	21891.7			
W5	124270	Mixed Surface Types	0.89	0.72	88963.1			
W6	57331	Mixed Surface Types	0.9	0.73	41867.8			
W7	233183	Mixed Surface Types	0.63	0.43	100869.9			
	1104358	Total			503390.3	0.65	27267	192839

Notes:

Bioretention Facility - Design Procedure	BMP ID: East Basin	Legend:	Required Entries / Calculated Cells

Company Name: Jacobs — Date: 5/23/2022

Designed by: Ilya Elkin — County/City Case No.:

Design Volume

Enter the area tributary to this feature	A_T=	16.7	acres
Enter V_{BMP} determined from Section 2.1 of this Handbook	V_{BMP}=	13,201	ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer	d_S =	2.5	ft
Top Width of Bioretention Facility, excluding curb	w_T =	66.0	ft
Total Effective Depth, d_E $d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$	d_E =	1.64	ft
Minimum Surface Area, A_m $A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$	A_M =	8,053	ft^2
Proposed Surface Area	A=	10,052	ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility	z =	4	:1
Diameter of Underdrain		12	inches
Longitudinal Slope of Site (3% maximum)		2	%
6" Check Dam Spacing		25	feet

Describe Vegetation: Natural Grasses

Notes:

Bioretention Facility - Design Procedure	BMP ID: West Basin	Legend:	Required Entries / Calculated Cells

Company Name:	Jacobs	Date:	5/23/2022
Designed by:	Ilya Elkin	County/City Case No.:	

Design Volume

Enter the area tributary to this feature	A_T=	25.4	acres
Enter V_{BMP} determined from Section 2.1 of this Handbook	V_{BMP}=	27,267	ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer	d_S =	2.5	ft
Top Width of Bioretention Facility, excluding curb	w_T =	66.0	ft
Total Effective Depth, d_E $d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$	d_E =	1.64	ft
Minimum Surface Area, A_m $A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$	A_M =	16,633	ft^2
Proposed Surface Area	A=	23,545	ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility	z =	4	:1
Diameter of Underdrain		12	inches
Longitudinal Slope of Site (3% maximum)		2	%
6" Check Dam Spacing		25	feet
Describe Vegetation:		Natural Grasses	

Notes:

APPENDIX E
BMP POLLUTANT REMOVAL EFFECTIVENESS

BMP Pollutant Removal Effectiveness [1]

Pollutant of Concern	Harvest and Use [8]	Infiltration BMPs [3]	Bioretention	Extended Detention Basins [2]	Sand Filter Basin [7]
Sediment	H	H	H	M	H
Nutrient	H	H	[5]	M [4]	L [6]
Trash	H	H	H	H	H
Metal	H	H	H	M	M
Bacteria	H	H	H	M	M
Oil & Grease	H	H	H	M	H
Organic Compounds	H	H	H	M	H
Pesticides	H	H	H	U	U

Abbreviations:

L: Low removal efficiency M: Medium removal efficiency H: High removal efficiency U: Unknown

Notes:

(1) Periodic performance assessment and updating of this table may be performed based on updated information from studies from the District, CASQA, Caltrans or others. These effectiveness ratings are based on the specific BMP designs incorporated into this manual.

(2) Effectiveness based upon total 72-hour drawdown time.

(3) Includes infiltration basins, infiltration trenches, and permeable pavements.

(4) Medium for soil types A & B only. Low for soil types C & D.

(5) Removal rating is dependent on the soil media depth. L=Min. 18” deep, M= Min. 24” deep, H=Max. 30"-36" deep.

(6) Medium where sand filter layer is increased to 36”.

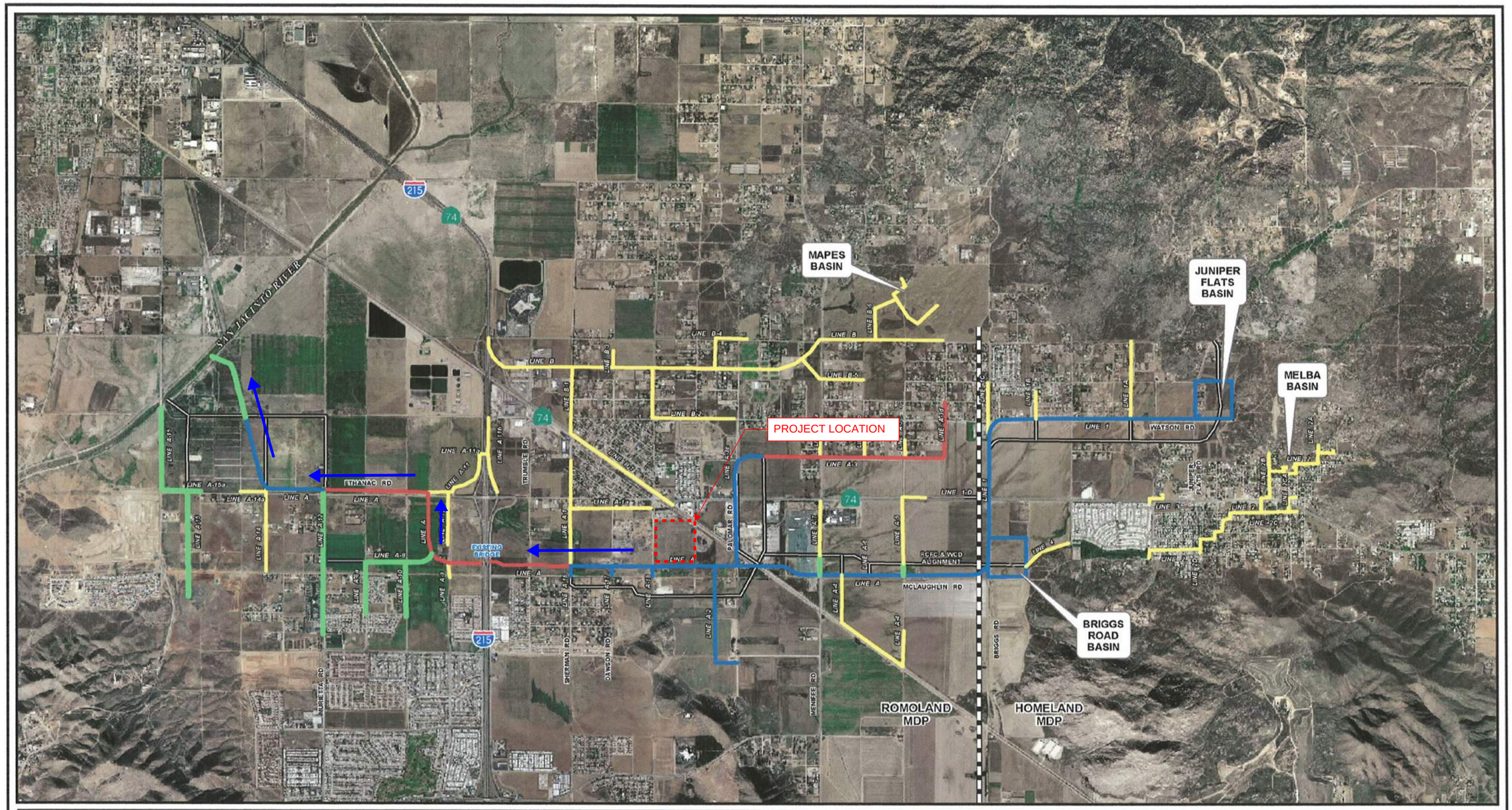
(7) Considered to be a Treatment Control BMP. See the WQMP to determine if this BMP can be used.

(8) Cisterns, when associated with an adequate and reliable (year-round) demand for non-potable use of captured storm water (see the applicable WQMP for any specific requirements), have a High effectiveness at removing all pollutants from stormwater runoff. If there is inadequate demand to reliably drain the cistern through a non-potable use throughout the year, pollutant removal effectiveness will be Low.

Appendix 7: Hydromodification

Supporting Detail Relating to Hydrologic Conditions of Concern

ROMOLAND STORMWATER CHANNEL



Source: AirPhoto USA
February 2004

ALBERT A. WEBB ASSOCIATES
ENGINEERING CONSULTANTS

N W E S

0 3,000 6,000 Feet

LEGEND

- PHASE I - PROPOSED REVISIONS
- PHASE I - PREVIOUSLY ADOPTED
- FUTURE FACILITIES - PROPOSED REVISIONS
- FUTURE FACILITIES - PREVIOUSLY ADOPTED
- PREVIOUSLY ADOPTED, TO BE ELIMINATED
- FLOW DIRECTION

Figure 3

MDP's - Adopted and Revised

Romoland / Homeland MDP/ADP

G:\2003\03-0141\Gis\drainageEIR_fig_I-2-D.mxd; Map revised Aug. 10, 2005

Page I-2-10

Appendix 8: Source Control

Pollutant Sources/Source Control Checklist

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

How to use this worksheet (also see instructions in Section G of the WQMP Template):

1. Review Column 1 and identify which of these potential sources of stormwater pollutants apply to your site. Check each box that applies.
2. Review Column 2 and incorporate all of the corresponding applicable BMPs in your WQMP Exhibit.
3. Review Columns 3 and 4 and incorporate all of the corresponding applicable permanent controls and operational BMPs in your WQMP. Use the format shown in Table G.1on page 23 of this WQMP Template. Describe your specific BMPs in an accompanying narrative, and explain any special conditions or situations that required omitting BMPs or substituting alternative BMPs for those shown here.

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ A. **On-site storm drain inlets**	☒ **Locations of inlets.**	☒ **Mark all inlets with the words "Only Rain Down the Storm Drain" or similar. Catch Basin Markers may be available from the Riverside County Flood Control and Water Conservation District, call 951.955.1200 to verify.**	☒ **Maintain and periodically repaint or replace inlet markings.** ☐ **Provide stormwater pollution prevention information to new site owners, lessees, or operators.** ☐ **See applicable operational BMPs in Fact Sheet SC-44, "Drainage System Maintenance," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com** ☐ **Include the following in lease agreements: "Tenant shall not allow anyone to discharge anything to storm drains or to store or deposit materials so as to create a potential discharge to storm drains."**
☐ B. **Interior floor drains and elevator shaft sump pumps**		☐ **State that interior floor drains and elevator shaft sump pumps will be plumbed to sanitary sewer.**	☐ **Inspect and maintain drains to prevent blockages and overflow.**
☐ C. **Interior parking garages**		☐ **State that parking garage floor drains will be plumbed to the sanitary sewer.**	☐ **Inspect and maintain drains to prevent blockages and overflow.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☐ D1. **Need for future indoor & structural pest control**		☐ **Note building design features that discourage entry of pests.**	☐ **Provide Integrated Pest Management information to owners, lessees, and operators.**
☒ D2. **Landscape/ Outdoor Pesticide Use**	☒ **Show locations of native trees or areas of shrubs and ground cover to be undisturbed and retained.** ☐ **Show self-retaining landscape areas, if any.** ☒ **Show stormwater treatment and hydrograph modification management BMPs. (See instructions in Chapter 3, Step 5 and guidance in Chapter 5.)**	**State that final landscape plans will accomplish all of the following.** ☒ **Preserve existing native trees, shrubs, and ground cover to the maximum extent possible.** ☐ **Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.** ☐ **Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions.** ☒ **Consider using pest-resistant plants, especially adjacent to hardscape.** **To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions.**	☒ **Maintain landscaping using minimum or no pesticides.** ☐ **See applicable operational BMPs in "What you should know for…..Landscape and Gardening"** at http://rcflood.org/stormwater/**Error! Hyperlink reference not valid.** ☐ **Provide IPM information to new owners, lessees and operators.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ E. **Pools, spas, ponds, decorative fountains, and other water features.**	❑ **Show location of water feature and a sanitary sewer cleanout in an accessible area within 10 feet. (Exception: Public pools must be plumbed according to County Department of Environmental Health Guidelines.)**	**If the Co-Permittee requires pools to be plumbed to the sanitary sewer, place a note on the plans and state in the narrative that this connection will be made according to local requirements.**	❑ **See applicable operational BMPs in** "Guidelines for Maintaining Your Swimming Pool, Jacuzzi and Garden Fountain" at http://rcflood.org/stormwater/
❑ F. **Food service**	❑ **For restaurants, grocery stores, and other food service operations, show location (indoors or in a covered area outdoors) of a floor sink or other area for cleaning floor mats, containers, and equipment.** ❑ **On the drawing, show a note that this drain will be connected to a grease interceptor before discharging to the sanitary sewer.**	❑ **Describe the location and features of the designated cleaning area.** ❑ **Describe the items to be cleaned in this facility and how it has been sized to insure that the largest items can be accommodated.**	❑ **See the brochure, "**The Food Service Industry Best Management Practices for: Restaurants, Grocery Stores, Delicatessens and Bakeries" at http://rcflood.org/stormwater/ **Provide this brochure to new site owners, lessees, and operators.**
❑ G. **Refuse areas**	❑ **Show where site refuse and recycled materials will be handled and stored for pickup. See local municipal requirements for sizes and other details of refuse areas.** ❑ **If dumpsters or other receptacles are outdoors, show how the designated area will be covered, graded, and paved to prevent run-on and show locations of berms to prevent runoff from the area.** ❑ **Any drains from dumpsters, compactors, and tallow bin areas shall be connected to a grease removal device before discharge to sanitary sewer.**	❑ **State how site refuse will be handled and provide supporting detail to what is shown on plans.** ❑ **State that signs will be posted on or near dumpsters with the words "Do not dump hazardous materials here" or similar.**	❑ **State how the following will be implemented:** **Provide adequate number of receptacles. Inspect receptacles regularly; repair or replace leaky receptacles. Keep receptacles covered. Prohibit/prevent dumping of liquid or hazardous wastes. Post "no hazardous materials" signs. Inspect and pick up litter daily and clean up spills immediately. Keep spill control materials available on-site. See Fact Sheet SC-34, "Waste Handling and Disposal" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ H. **Industrial processes.**	❑ **Show process area.**	❑ **If industrial processes are to be located on site, state: "All process activities to be performed indoors. No processes to drain to exterior or to storm drain system."**	❑ **See Fact Sheet SC-10, "Non-Stormwater Discharges" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com** See the brochure "Industrial & Commercial Facilities Best Management Practices for: Industrial, Commercial Facilities" at http://rcflood.org/stormwater/

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ I. **Outdoor storage of equipment or materials. (See rows J and K for source control measures for vehicle cleaning, repair, and maintenance.)**	❑ **Show any outdoor storage areas, including how materials will be covered. Show how areas will be graded and bermed to prevent run-on or run-off from area.** ❑ **Storage of non-hazardous liquids shall be covered by a roof and/or drain to the sanitary sewer system, and be contained by berms, dikes, liners, or vaults.** ❑ **Storage of hazardous materials and wastes must be in compliance with the local hazardous materials ordinance and a Hazardous Materials Management Plan for the site.**	**Include a detailed description of materials to be stored, storage areas, and structural features to prevent pollutants from entering storm drains.** **Where appropriate, reference documentation of compliance with the requirements of Hazardous Materials Programs for:** ▪ **Hazardous Waste Generation** ▪ **Hazardous Materials Release Response and Inventory** ▪ **California Accidental Release (CalARP)** ▪ **Aboveground Storage Tank** ▪ **Uniform Fire Code Article 80 Section 103(b) & (c) 1991** ▪ **Underground Storage Tank** **www.cchealth.org/groups/hazmat/**	❑ **See the Fact Sheets SC-31, "Outdoor Liquid Container Storage" and SC-33, "Outdoor Storage of Raw Materials " in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ J. **Vehicle and Equipment Cleaning**	❑ **Show on drawings as appropriate:** **(1) Commercial/industrial facilities having vehicle/equipment cleaning needs shall either provide a covered, bermed area for washing activities or discourage vehicle/equipment washing by removing hose bibs and installing signs prohibiting such uses.** **(2) Multi-dwelling complexes shall have a paved, bermed, and covered car wash area (unless car washing is prohibited on-site and hoses are provided with an automatic shut-off to discourage such use).** **(3) Washing areas for cars, vehicles, and equipment shall be paved, designed to prevent run-on to or runoff from the area, and plumbed to drain to the sanitary sewer.** **(4) Commercial car wash facilities shall be designed such that no runoff from the facility is discharged to the storm drain system. Wastewater from the facility shall discharge to the sanitary sewer, or a wastewater reclamation system shall be installed.**	❑ **If a car wash area is not provided, describe any measures taken to discourage on-site car washing and explain how these will be enforced.**	**Describe operational measures to implement the following (if applicable):** ❑ **Washwater from vehicle and equipment washing operations shall not be discharged to the storm drain system.** Refer to "Outdoor Cleaning Activities and Professional Mobile Service Providers" for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at http://rcflood.org/stormwater/ ❑ **Car dealerships and similar may rinse cars with water only.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ K. **Vehicle/Equipment Repair and Maintenance**	❑ **Accommodate all vehicle equipment repair and maintenance indoors. Or designate an outdoor work area and design the area to prevent run-on and runoff of stormwater.** ❑ **Show secondary containment for exterior work areas where motor oil, brake fluid, gasoline, diesel fuel, radiator fluid, acid-containing batteries or other hazardous materials or hazardous wastes are used or stored. Drains shall not be installed within the secondary containment areas.** ❑ **Add a note on the plans that states either (1) there are no floor drains, or (2) floor drains are connected to wastewater pretreatment systems prior to discharge to the sanitary sewer and an industrial waste discharge permit will be obtained.**	❑ **State that no vehicle repair or maintenance will be done outdoors, or else describe the required features of the outdoor work area.** ❑ **State that there are no floor drains or if there are floor drains, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.** ❑ **State that there are no tanks, containers or sinks to be used for parts cleaning or rinsing or, if there are, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.**	**In the Stormwater Control Plan, note that all of the following restrictions apply to use the site:** ❑ **No person shall dispose of, nor permit the disposal, directly or indirectly of vehicle fluids, hazardous materials, or rinsewater from parts cleaning into storm drains.** ❑ **No vehicle fluid removal shall be performed outside a building, nor on asphalt or ground surfaces, whether inside or outside a building, except in such a manner as to ensure that any spilled fluid will be in an area of secondary containment. Leaking vehicle fluids shall be contained or drained from the vehicle immediately.** ❑ **No person shall leave unattended drip parts or other open containers containing vehicle fluid, unless such containers are in use or in an area of secondary containment.** Refer to "Automotive Maintenance & Car Care Best Management Practices for Auto Body Shops, Auto Repair Shops, Car Dealerships, Gas Stations and Fleet Service Operations". Brochure can be found at http://rcflood.org/stormwater/ Refer to Outdoor Cleaning Activities and Professional Mobile Service Providers for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at http://rcflood.org/stormwater/

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ L. **Fuel Dispensing Areas**	❑ **Fueling areas[6] shall have impermeable floors (i.e., portland cement concrete or equivalent smooth impervious surface) that are: a) graded at the minimum slope necessary to prevent ponding; and b) separated from the rest of the site by a grade break that prevents run-on of stormwater to the maximum extent practicable.** ❑ **Fueling areas shall be covered by a canopy that extends a minimum of ten feet in each direction from each pump. [Alternative: The fueling area must be covered and the cover's minimum dimensions must be equal to or greater than the area within the grade break or fuel dispensing area[1].] The canopy [or cover] shall not drain onto the fueling area.**		❑ **The property owner shall dry sweep the fueling area routinely.** ❑ **See the Fact Sheet SD-30 , "Fueling Areas" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

[6] **The fueling area shall be defined as the area extending a minimum of 6.5 feet from the corner of each fuel dispenser or the length at which the hose and nozzle assembly may be operated plus a minimum of one foot, whichever is greater.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ M. **Loading Docks**	❑ **Show a preliminary design for the loading dock area, including roofing and drainage. Loading docks shall be covered and/or graded to minimize run-on to and runoff from the loading area. Roof downspouts shall be positioned to direct stormwater away from the loading area. Water from loading dock areas shall be drained to the sanitary sewer, or diverted and collected for ultimate discharge to the sanitary sewer.** ❑ **Loading dock areas draining directly to the sanitary sewer shall be equipped with a spill control valve or equivalent device, which shall be kept closed during periods of operation.** ❑ **Provide a roof overhang over the loading area or install door skirts (cowling) at each bay that enclose the end of the trailer.**		❑ **Move loaded and unloaded items indoors as soon as possible.** ❑ **See Fact Sheet SC-30, "Outdoor Loading and Unloading," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ N. **Fire Sprinkler Test Water**		❑ **Provide a means to drain fire sprinkler test water to the sanitary sewer.**	❑ **See the note in Fact Sheet SC-41, "Building and Grounds Maintenance," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**
O. **Miscellaneous Drain or Wash Water or Other Sources** ❑ **Boiler drain lines** ❑ **Condensate drain lines** ❑ **Rooftop equipment** ❑ **Drainage sumps** ☒ **Roofing, gutters, and trim.** ❑ **Other sources**		❑ **Boiler drain lines shall be directly or indirectly connected to the sanitary sewer system and may not discharge to the storm drain system.** ❑ **Condensate drain lines may discharge to landscaped areas if the flow is small enough that runoff will not occur. Condensate drain lines may not discharge to the storm drain system.** ❑ **Rooftop equipment with potential to produce pollutants shall be roofed and/or have secondary containment.** ❑ **Any drainage sumps on-site shall feature a sediment sump to reduce the quantity of sediment in pumped water.** ☒ **Avoid roofing, gutters, and trim made of copper or other unprotected metals that may leach into runoff.** **Include controls for other sources as specified by local reviewer.**	

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ P. **Plazas, sidewalks, and parking lots.**			☒ **Sweep plazas, sidewalks, and parking lots regularly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.**

Appendix 9: O&M

Operation and Maintenance Plan and Documentation of Finance, Maintenance and Recording Mechanisms

Bioretention TC-32



Design Considerations

- Soil for Infiltration
- Tributary Area
- Slope
- Aesthetics
- Environmental Side-effects

Description

The bioretention best management practice (BMP) functions as a soil and plant-based filtration device that removes pollutants through a variety of physical, biological, and chemical treatment processes. These facilities normally consist of a grass buffer strip, sand bed, ponding area, organic layer or mulch layer, planting soil, and plants. The runoff's velocity is reduced by passing over or through buffer strip and subsequently distributed evenly along a ponding area. Exfiltration of the stored water in the bioretention area planting soil into the underlying soils occurs over a period of days.

Targeted Constituents

✓	Sediment	■
✓	Nutrients	▲
✓	Trash	■
✓	Metals	■
✓	Bacteria	■
✓	Oil and Grease	■
✓	Organics	■

Legend ***(Removal Effectiveness)***

- ● Low
- ▲ Medium
- ■ High

California Experience

None documented. Bioretention has been used as a stormwater BMP since 1992. In addition to Prince George's County, MD and Alexandria, VA, bioretention has been used successfully at urban and suburban areas in Montgomery County, MD; Baltimore County, MD; Chesterfield County, VA; Prince William County, VA; Smith Mountain Lake State Park, VA; and Cary, NC.

Advantages

- Bioretention provides stormwater treatment that enhances the quality of downstream water bodies by temporarily storing runoff in the BMP and releasing it over a period of four days to the receiving water (EPA, 1999).
- The vegetation provides shade and wind breaks, absorbs noise, and improves an area's landscape.

Limitations

- The bioretention BMP is not recommended for areas with slopes greater than 20% or where mature tree removal would

CASQA California Stormwater Quality Association

be required since clogging may result, particularly if the BMP receives runoff with high sediment loads (EPA, 1999).

- Bioretention is not a suitable BMP at locations where the water table is within 6 feet of the ground surface and where the surrounding soil stratum is unstable.
- By design, bioretention BMPs have the potential to create very attractive habitats for mosquitoes and other vectors because of highly organic, often heavily vegetated areas mixed with shallow water.
- In cold climates the soil may freeze, preventing runoff from infiltrating into the planting soil.

Design and Sizing Guidelines

- The bioretention area should be sized to capture the design storm runoff.
- In areas where the native soil permeability is less than 0.5 in/hr an underdrain should be provided.
- Recommended minimum dimensions are 15 feet by 40 feet, although the preferred width is 25 feet. Excavated depth should be 4 feet.
- Area should drain completely within 72 hours.
- Approximately 1 tree or shrub per 50 ft^2 of bioretention area should be included.
- Cover area with about 3 inches of mulch.

Construction/Inspection Considerations

Bioretention area should not be established until contributing watershed is stabilized.

Performance

Bioretention removes stormwater pollutants through physical and biological processes, including adsorption, filtration, plant uptake, microbial activity, decomposition, sedimentation and volatilization (EPA, 1999). Adsorption is the process whereby particulate pollutants attach to soil (e.g., clay) or vegetation surfaces. Adequate contact time between the surface and pollutant must be provided for in the design of the system for this removal process to occur. Thus, the infiltration rate of the soils must not exceed those specified in the design criteria or pollutant removal may decrease. Pollutants removed by adsorption include metals, phosphorus, and hydrocarbons. Filtration occurs as runoff passes through the bioretention area media, such as the sand bed, ground cover, and planting soil.

Common particulates removed from stormwater include particulate organic matter, phosphorus, and suspended solids. Biological processes that occur in wetlands result in pollutant uptake by plants and microorganisms in the soil. Plant growth is sustained by the uptake of nutrients from the soils, with woody plants locking up these nutrients through the seasons. Microbial activity within the soil also contributes to the removal of nitrogen and organic matter. Nitrogen is removed by nitrifying and denitrifying bacteria, while aerobic bacteria are responsible for the decomposition of the organic matter. Microbial processes require oxygen and can result in depleted oxygen levels if the bioretention area is not adequately

aerated. Sedimentation occurs in the swale or ponding area as the velocity slows and solids fall out of suspension.

The removal effectiveness of bioretention has been studied during field and laboratory studies conducted by the University of Maryland (Davis et al, 1998). During these experiments, synthetic stormwater runoff was pumped through several laboratory and field bioretention areas to simulate typical storm events in Prince George's County, MD. Removal rates for heavy metals and nutrients are shown in Table 1.

Table 1 Laboratory and Estimated Bioretention Davis et al. (1998); PGDER (1993)

Pollutant	Removal Rate
Total Phosphorus	70-83%
Metals (Cu, Zn, Pb)	93-98%
TKN	68-80%
Total Suspended Solids	90%
Organics	90%
Bacteria	90%

Results for both the laboratory and field experiments were similar for each of the pollutants analyzed. Doubling or halving the influent pollutant levels had little effect on the effluent pollutants concentrations (Davis et al, 1998).

The microbial activity and plant uptake occurring in the bioretention area will likely result in higher removal rates than those determined for infiltration BMPs.

Siting Criteria

Bioretention BMPs are generally used to treat stormwater from impervious surfaces at commercial, residential, and industrial areas (EPA, 1999). Implementation of bioretention for stormwater management is ideal for median strips, parking lot islands, and swales. Moreover, the runoff in these areas can be designed to either divert directly into the bioretention area or convey into the bioretention area by a curb and gutter collection system.

The best location for bioretention areas is upland from inlets that receive sheet flow from graded areas and at areas that will be excavated (EPA, 1999). In order to maximize treatment effectiveness, the site must be graded in such a way that minimizes erosive conditions as sheet flow is conveyed to the treatment area. Locations where a bioretention area can be readily incorporated into the site plan without further environmental damage are preferred. Furthermore, to effectively minimize sediment loading in the treatment area, bioretention only should be used in stabilized drainage areas.

Additional Design Guidelines

The layout of the bioretention area is determined after site constraints such as location of utilities, underlying soils, existing vegetation, and drainage are considered (EPA, 1999). Sites with loamy sand soils are especially appropriate for bioretention because the excavated soil can be backfilled and used as the planting soil, thus eliminating the cost of importing planting soil.

The use of bioretention may not be feasible given an unstable surrounding soil stratum, soils with clay content greater than 25 percent, a site with slopes greater than 20 percent, and/or a site with mature trees that would be removed during construction of the BMP.

Bioretention can be designed to be off-line or on-line of the existing drainage system (EPA, 1999). The drainage area for a bioretention area should be between 0.1 and 0.4 hectares (0.25 and 1.0 acres). Larger drainage areas may require multiple bioretention areas. Furthermore, the maximum drainage area for a bioretention area is determined by the expected rainfall intensity and runoff rate. Stabilized areas may erode when velocities are greater than 5 feet per second (1.5 meter per second). The designer should determine the potential for erosive conditions at the site.

The size of the bioretention area, which is a function of the drainage area and the runoff generated from the area is sized to capture the water quality volume.

The recommended minimum dimensions of the bioretention area are 15 feet (4.6 meters) wide by 40 feet (12.2 meters) long, where the minimum width allows enough space for a dense, randomly-distributed area of trees and shrubs to become established. Thus replicating a natural forest and creating a microclimate, thereby enabling the bioretention area to tolerate the effects of heat stress, acid rain, runoff pollutants, and insect and disease infestations which landscaped areas in urban settings typically are unable to tolerate. The preferred width is 25 feet (7.6 meters), with a length of twice the width. Essentially, any facilities wider than 20 feet (6.1 meters) should be twice as long as they are wide, which promotes the distribution of flow and decreases the chances of concentrated flow.

In order to provide adequate storage and prevent water from standing for excessive periods of time the ponding depth of the bioretention area should not exceed 6 inches (15 centimeters). Water should not be left to stand for more than 72 hours. A restriction on the type of plants that can be used may be necessary due to some plants' water intolerance. Furthermore, if water is left standing for longer than 72 hours mosquitoes and other insects may start to breed.

The appropriate planting soil should be backfilled into the excavated bioretention area. Planting soils should be sandy loam, loamy sand, or loam texture with a clay content ranging from 10 to 25 percent.

Generally the soil should have infiltration rates greater than 0.5 inches (1.25 centimeters) per hour, which is typical of sandy loams, loamy sands, or loams. The pH of the soil should range between 5.5 and 6.5, where pollutants such as organic nitrogen and phosphorus can be adsorbed by the soil and microbial activity can flourish. Additional requirements for the planting soil include a 1.5 to 3 percent organic content and a maximum 500 ppm concentration of soluble salts.

Soil tests should be performed for every 500 cubic yards (382 cubic meters) of planting soil, with the exception of pH and organic content tests, which are required only once per bioretention area (EPA, 1999). Planting soil should be 4 inches (10.1 centimeters) deeper than the bottom of the largest root ball and 4 feet (1.2 meters) altogether. This depth will provide adequate soil for the plants' root systems to become established, prevent plant damage due to severe wind, and provide adequate moisture capacity. Most sites will require excavation in order to obtain the recommended depth.

Planting soil depths of greater than 4 feet (1.2 meters) may require additional construction practices such as shoring measures (EPA, 1999). Planting soil should be placed in 18 inches or greater lifts and lightly compacted until the desired depth is reached. Since high canopy trees may be destroyed during maintenance the bioretention area should be vegetated to resemble a terrestrial forest community ecosystem that is dominated by understory trees. Three species each of both trees and shrubs are recommended to be planted at a rate of 2500 trees and shrubs per hectare (1000 per acre). For instance, a 15 foot (4.6 meter) by 40 foot (12.2 meter) bioretention area (600 square feet or 55.75 square meters) would require 14 trees and shrubs. The shrub-to-tree ratio should be 2:1 to 3:1.

Trees and shrubs should be planted when conditions are favorable. Vegetation should be watered at the end of each day for fourteen days following its planting. Plant species tolerant of pollutant loads and varying wet and dry conditions should be used in the bioretention area.

The designer should assess aesthetics, site layout, and maintenance requirements when selecting plant species. Adjacent non-native invasive species should be identified and the designer should take measures, such as providing a soil breach to eliminate the threat of these species invading the bioretention area. Regional landscaping manuals should be consulted to ensure that the planting of the bioretention area meets the landscaping requirements established by the local authorities. The designers should evaluate the best placement of vegetation within the bioretention area. Plants should be placed at irregular intervals to replicate a natural forest. Trees should be placed on the perimeter of the area to provide shade and shelter from the wind. Trees and shrubs can be sheltered from damaging flows if they are placed away from the path of the incoming runoff. In cold climates, species that are more tolerant to cold winds, such as evergreens, should be placed in windier areas of the site.

Following placement of the trees and shrubs, the ground cover and/or mulch should be established. Ground cover such as grasses or legumes can be planted at the beginning of the growing season. Mulch should be placed immediately after trees and shrubs are planted. Two to 3 inches (5 to 7.6 cm) of commercially-available fine shredded hardwood mulch or shredded hardwood chips should be applied to the bioretention area to protect from erosion.

Maintenance

The primary maintenance requirement for bioretention areas is that of inspection and repair or replacement of the treatment area's components. Generally, this involves nothing more than the routine periodic maintenance that is required of any landscaped area. Plants that are appropriate for the site, climatic, and watering conditions should be selected for use in the bioretention cell. Appropriately selected plants will aide in reducing fertilizer, pesticide, water, and overall maintenance requirements. Bioretention system components should blend over time through plant and root growth, organic decomposition, and the development of a natural

soil horizon. These biologic and physical processes over time will lengthen the facility's life span and reduce the need for extensive maintenance.

Routine maintenance should include a biannual health evaluation of the trees and shrubs and subsequent removal of any dead or diseased vegetation (EPA, 1999). Diseased vegetation should be treated as needed using preventative and low-toxic measures to the extent possible. BMPs have the potential to create very attractive habitats for mosquitoes and other vectors because of highly organic, often heavily vegetated areas mixed with shallow water. Routine inspections for areas of standing water within the BMP and corrective measures to restore proper infiltration rates are necessary to prevent creating mosquito and other vector habitat. In addition, bioretention BMPs are susceptible to invasion by aggressive plant species such as cattails, which increase the chances of water standing and subsequent vector production if not routinely maintained.

In order to maintain the treatment area's appearance it may be necessary to prune and weed. Furthermore, mulch replacement is suggested when erosion is evident or when the site begins to look unattractive. Specifically, the entire area may require mulch replacement every two to three years, although spot mulching may be sufficient when there are random void areas. Mulch replacement should be done prior to the start of the wet season.

New Jersey's Department of Environmental Protection states in their bioretention systems standards that accumulated sediment and debris removal (especially at the inflow point) will normally be the primary maintenance function. Other potential tasks include replacement of dead vegetation, soil pH regulation, erosion repair at inflow points, mulch replenishment, unclogging the underdrain, and repairing overflow structures. There is also the possibility that the cation exchange capacity of the soils in the cell will be significantly reduced over time. Depending on pollutant loads, soils may need to be replaced within 5-10 years of construction (LID, 2000).

Cost

Construction Cost

Construction cost estimates for a bioretention area are slightly greater than those for the required landscaping for a new development (EPA, 1999). A general rule of thumb (Coffman, 1999) is that residential bioretention areas average about $3 to $4 per square foot, depending on soil conditions and the density and types of plants used. Commercial, industrial and institutional site costs can range between $10 to $40 per square foot, based on the need for control structures, curbing, storm drains and underdrains.

Retrofitting a site typically costs more, averaging $6,500 per bioretention area. The higher costs are attributed to the demolition of existing concrete, asphalt, and existing structures and the replacement of fill material with planting soil. The costs of retrofitting a commercial site in Maryland, Kettering Development, with 15 bioretention areas were estimated at $111,600.

In any bioretention area design, the cost of plants varies substantially and can account for a significant portion of the expenditures. While these cost estimates are slightly greater than those of typical landscaping treatment (due to the increased number of plantings, additional soil excavation, backfill material, use of underdrains etc.), those landscaping expenses that would be required regardless of the bioretention installation should be subtracted when determining the net cost.

Perhaps of most importance, however, the cost savings compared to the use of traditional structural stormwater conveyance systems makes bioretention areas quite attractive financially. For example, the use of bioretention can decrease the cost required for constructing stormwater conveyance systems at a site. A medical office building in Maryland was able to reduce the amount of storm drain pipe that was needed from 800 to 230 feet - a cost savings of $24,000 (PGDER, 1993). And a new residential development spent a total of approximately $100,000 using bioretention cells on each lot instead of nearly $400,000 for the traditional stormwater ponds that were originally planned (Rappahanock,). Also, in residential areas, stormwater management controls become a part of each property owner's landscape, reducing the public burden to maintain large centralized facilities.

Maintenance Cost

The operation and maintenance costs for a bioretention facility will be comparable to those of typical landscaping required for a site. Costs beyond the normal landscaping fees will include the cost for testing the soils and may include costs for a sand bed and planting soil.

References and Sources of Additional Information

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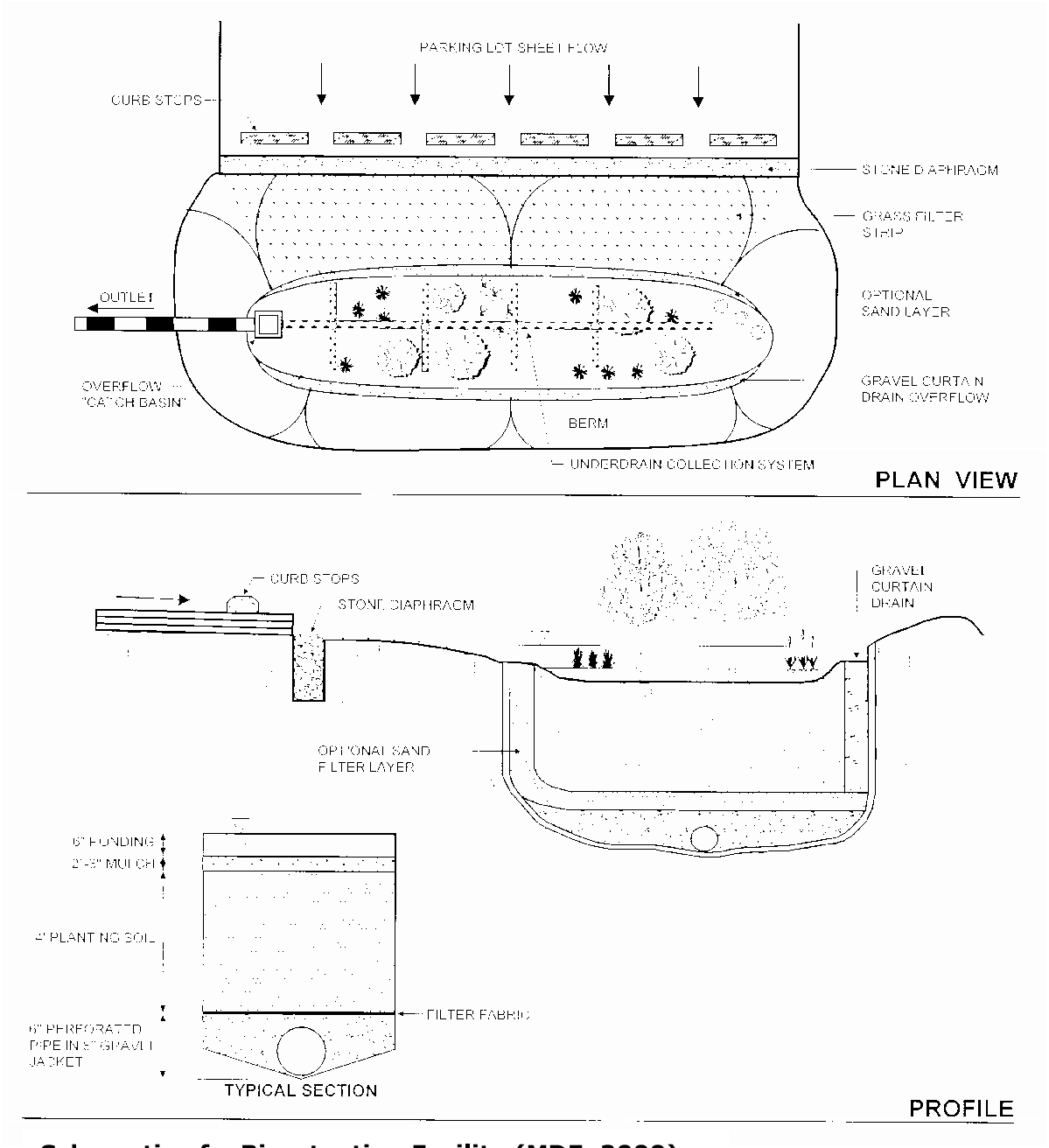
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Schematic of a Bioretention Facility (MDE, 2000)

Appendix 10: Educational Materials

BMP Fact Sheets, Maintenance Guidelines and Other End-User BMP Information

Bioretention Operations and Maintenance

General Requirements

Bioretention areas require annual plant, soil, and mulch layer maintenance to ensure optimum infiltration, storage, and pollutant removal capabilities. In general, bioretention maintenance requirements are typical landscape care procedures and include:

1. Watering: Plants should be selected to be drought tolerant and not require watering after establishment (2 to 3 years). Watering may be required during prolonged dry periods after plants are established.

2. Erosion control: Inspect flow entrances, ponding area, and surface overflow areas periodically, and replace soil, plant material, and/or mulch layer in areas if erosion has occurred (see Appendix E for guidance on facility inspection and Appendix F for a bioretention inspection and maintenance checklist). Properly designed facilities with appropriate flow velocities should not have erosion problems except perhaps in extreme events. If erosion problems occur the following should be reassessed: (1) flow velocities and gradients within the cell, and (2) flow dissipation and erosion protection strategies in the pretreatment area and flow entrance. If sediment is deposited in the bioretention area, immediately determine the source within the contributing area, stabilize, and remove excess surface deposits.

3. Plant material: Depending on aesthetic requirements, occasional pruning and removing of dead plant material may be necessary. Replace all dead plants and if specific plants have a high mortality rate, assess the cause and, if necessary, replace with more appropriate species. Periodic weeding is necessary until plants are established. The weeding schedule should become less frequent if the appropriate plant species and planting density have been used and, as a result, undesirable plants excluded.

4. Nutrient and pesticides: The soil mix and plants are selected for optimum fertility, plant establishment, and growth. Nutrient and pesticide inputs should not be required and may degrade the pollutant processing capability of the bioretention area, as well as contribute pollutant loads to receiving waters. By design, bioretention facilities are located in areas where phosphorous and nitrogen levels are often elevated and these should not be limiting nutrients. If in question, have soil analyzed for fertility.

5. Mulch: Replace mulch annually in bioretention facilities where heavy metal deposition is likely (e.g., contributing areas that include industrial and auto dealer/repair parking lots and roads). In residential lots or other areas where metal deposition is not a concern, replace or add mulch as needed to maintain a 2 to 3 inch depth at least once every two years.

6. Soil: Soil mixes for bioretention facilities are designed to maintain long-term fertility and pollutant processing capability. Estimates from metal attenuation research suggest that metal accumulation should not present an environmental concern for at least 20 years in bioretention systems. Replacing mulch in bioretention facilities where heavy metal

deposition is likely provides an additional level of protection for prolonged performance. If in question, have soil analyzed for fertility and pollutant levels.

Maintenance Standards

A summary of the routine and major maintenance activities recommended for bioretention areas is shown in Table 5-1. Detailed Routine and major maintenance standards are listed in Tables 5-2 and 5-3.

Table 5-1: Bioretention Routine and Major Maintenance Quick Guide

Inspection and Maintenance Activities Summary	
Routine Maintenance	• Repair small eroded areas and ruts by filling with gravel. Overseed bare areas to reestablish vegetation • Remove trash and debris and rake surface soils to mitigate ponding • Remove accumulated fine sediments, dead leaves and trash to restore surface permeability • Remove any evidence of visual contamination from floatables such as oil and grease • Eradicate weeds and prune back excess plant growth that interferes with facility operation. Remove invasive vegetation and replace with non-invasive species • Remove sediment and debris accumulation near inlet and outlet structures to alleviate clogging • Clean and reset flow spreaders (if present) as needed to restore original function • Mow routinely to maintain ideal grass height and to suppress weeds • Periodically observe function under wet weather conditions
Major Maintenance	• Repair structural damage to flow control structures including inlet, outlet and overflow structures • Clean out under-drain, if present, to alleviate ponding. Replace media if ponding or loss of infiltrative capacity persists and revegetate • Regrade and revegetate to repair damage from severe erosion/scour channelization and to restore sheet flow • Take photographs before and after major maintenance (encouraged)

Table 5-2: Routine Maintenance – Bioretention

Defect or Problem	**Condition When Maintenance is Needed**	**Results Expected When Maintenance Is Performed**	**Frequency**
Erosion	Splash pads or spreader incorrectly placed; eroded or scoured areas due to flow channelization, or higher flows.	No erosion on surface of basin. No erosion or scouring evident. For ruts or bare areas less than 12 inches wide, damaged areas repaired by filling with crushed gravel. The grass will creep in over the rock in time.	Annually prior to wet season. After major storm events (>0.75 in/24 hrs) if spot checks of some basins indicate widespread damage/ maintenance needs
Standing Water	When water stands in the basin between storms and does not drain freely (with 36- 48 hours after storm event).	Water drains completely from basin as designed and surface is clear of trash and debris. Underdrains (if installed) are cleared.	
Loss of Surface Permeability	Accumulation of fine sediments, dead leaves, trash and other debris on surface	Surface permeability restored. Surface layer removed and replaced with fresh mulch.	
Visual Contaminants and Pollution	Any visual evidence of oil, gasoline, contaminants or other pollutants.	No visual contaminants or pollutants present.	Monthly (or as dictated by agreement between County and landscape contractor
Vegetation	Weeds, excessive plant growth, plants interfering with basin operation, plants diseased or dying	Basin tidy, plants healthy and pruned. Any plants that interfere with function are removed. Invasive or non-acclimated plants replaced.	
Inlet/Overflow	Inlet/outlet areas clogged with sediment and/or debris.	Material removed so that there is no clogging or blockage of the inlet or overflow area.	
Trash and Debris	Any trash and debris which exceed 5 cubic feet per 1,000 square feet (one standard garbage can).	Trash and debris removed and facility looks well kept.	

Table 5-3: Major Maintenance – Bioretention

Defect or Problem	**Condition When Maintenance is Needed**	**Results Expected When Maintenance Is Performed**	**Frequency**
Standing water	When water stands in the basin between storms and does not drain freely (with 36- 48 hours after storm event).	Filter media (sand, gravel, and topsoil) and vegetation removed and replaced.	Annually prior to wet season
Erosion/ Scouring	Bare spots greater than 12 inches	No erosion on surface of basin. Large bare areas are regraded and reseeded/replanted.	As needed

3.5 Bioretention Facility

Type of BMP	LID – Bioretention
Treatment Mechanisms	Infiltration, Evapotranspiration, Evaporation, Biofiltration
Maximum Drainage Area	This BMP is intended to be integrated into a project's landscaped area in a distributed manner. Typically, contributing drainage areas to Bioretention Facilities range from less than 1 acre to a maximum of around 10 acres.
Other Names	Rain Garden, Bioretention Cell, Bioretention Basin, Biofiltration Basin, Landscaped Filter Basin, Porous Landscape Detention

Description

Bioretention Facilities are shallow, vegetated basins underlain by an engineered soil media. Healthy plant and biological activity in the root zone maintain and renew the macro-pore space in the soil and maximize plant uptake of pollutants and runoff. This keeps the Best Management Practice (BMP) from becoming clogged and allows more of the soil column to function as both a sponge (retaining water) and a highly effective and self-maintaining biofilter. In most cases, the bottom of a Bioretention Facility is unlined, which also provides an opportunity for infiltration to the extent the underlying onsite soil can accommodate. When the infiltration rate of the underlying soil is exceeded, fully biotreated flows are discharged via underdrains. Bioretention Facilities therefore will inherently achieve the maximum feasible level of infiltration and evapotranspiration and achieve the minimum feasible (but highly biotreated) discharge to the storm drain system.

Siting Considerations

These facilities work best when they are designed in a relatively level area. Unlike other BMPs, Bioretention Facilities can be used in smaller landscaped spaces on the site, such as:

- ✓ Parking islands
- ✓ Medians
- ✓ Site entrances

Landscaped areas on the site (such as may otherwise be required through minimum landscaping ordinances), can often be designed as Bioretention Facilities. This can be accomplished by:

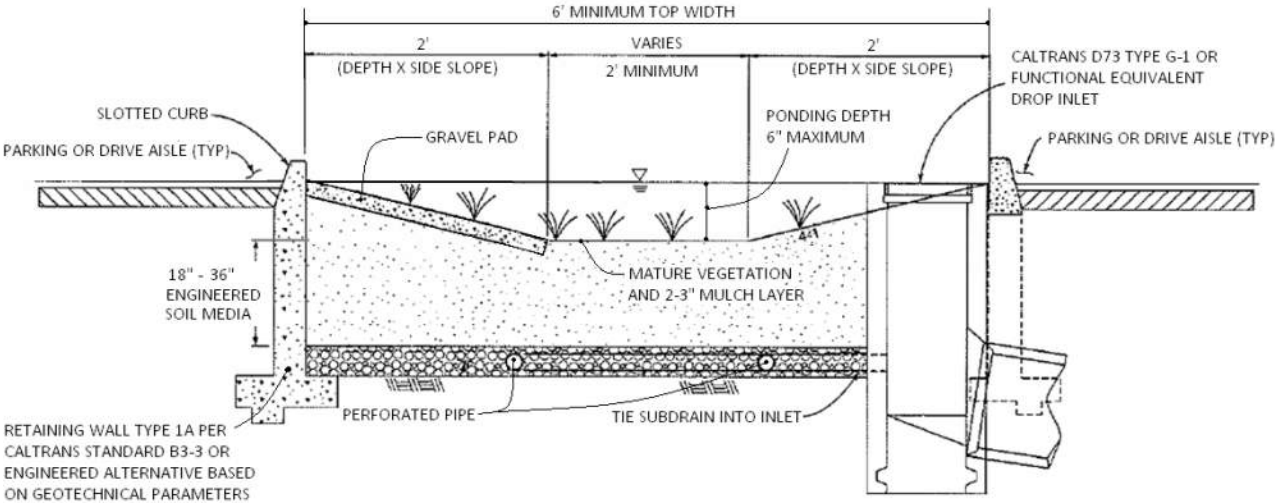
- *Depressing* landscaped areas below adjacent impervious surfaces, rather than elevating those areas
- Grading the site to direct runoff from those impervious surfaces *into* the Bioretention Facility, rather than away from the landscaping
- Sizing and designing the depressed landscaped area as a Bioretention Facility as described in this Fact Sheet

Bioretention Facilities should however not be used downstream of areas where large amounts of sediment can clog the system. Placing a Bioretention Facility at the toe of a steep slope should also be avoided due to the potential for clogging the engineered soil media with erosion from the slope, as well as the potential for damaging the vegetation.

Design and Sizing Criteria

The recommended cross section necessary for a Bioretention Facility includes:

- Vegetated area
- 18' minimum depth of engineered soil media
- 12' minimum gravel layer depth with 6' perforated pipes (added flow control features such as orifice plates may be required to mitigate for HCOC conditions)



While the 18-inch minimum engineered soil media depth can be used in some cases, it is recommended to use 24 inches or a preferred 36 inches to provide an adequate root zone for the chosen plant palate. Such a design also provides for improved removal effectiveness for nutrients. The recommended ponding depth inside of a Bioretention Facility is 6 inches; measured from the flat bottom surface to the top of the water surface as shown in Figure 1.

Because this BMP is filled with an engineered soil media, pore space in the soil and gravel layer is assumed to provide storage volume. However, several considerations must be noted:

- Surcharge storage above the soil surface (6 inches) is important to assure that design flows do not bypass the BMP when runoff exceeds the soil's absorption rate.
- In cases where the Bioretention Facility contains engineered soil media deeper than 36 inches, the pore space within the engineered soil media can only be counted to the 36-inch depth.
- A maximum of 30 percent pore space can be used for the soil media whereas a maximum of 40 percent pore space can be use for the gravel layer.

Figure 1: Standard Layout for a Bioretention Facility

Engineered Soil Media Requirements

The engineered soil media shall be comprised of 85 percent mineral component and 15 percent organic component, by volume, drum mixed prior to placement. The mineral component shall be a Class A sandy loam topsoil that meets the range specified in Table 1 below. The organic component shall be nitrogen stabilized compost[1], such that nitrogen does not leach from the media.

Table 1: Mineral Component Range Requirements

Percent Range	Component
70-80	Sand
15-20	Silt
5-10	Clay

The trip ticket, or certificate of compliance, shall be made available to the inspector to prove the engineered mix meets this specification.

Vegetation Requirements

Vegetative cover is important to minimize erosion and ensure that treatment occurs in the Bioretention Facility. The area should be designed for at least 70 percent mature coverage throughout the Bioretention Facility. To prevent the BMP from being used as walkways, Bioretention Facilities shall be planted with a combination of small trees, densely planted shrubs, and natural grasses. Grasses shall be native or ornamental; preferably ones that do not need to be mowed. The application of fertilizers and pesticides should be minimal. To maintain oxygen levels for the vegetation and promote biodegradation, it is important that vegetation not be completely submerged for any extended period of time. Therefore, a maximum of 6 inches of ponded water shall be used in the design to ensure that plants within the Bioretention Facility remain healthy.

A 2 to 3-inch layer of standard shredded aged hardwood mulch shall be placed as the top layer inside the Bioretention Facility. The 6-inch ponding depth shown in Figure 1 above shall be measured from the top surface of the 2 to 3-inch mulch layer.

Curb Cuts

To allow water to flow into the Bioretention Facility, 1-foot-wide (minimum) curb cuts should be placed approximately every 10 feet around the perimeter of the Bioretention Facility. Figure 2 shows a curb cut in a Bioretention Facility. Curb cut flow lines must be at or above the V_{BMP} water surface level.

[1] For more information on compost, visit the US Composting Council website at: http://compostingcouncil.org/



Figure 2: Curb Cut located in a Bioretention Facility

To reduce erosion, a gravel pad shall be placed at each inlet point to the Bioretention Facility. The gravel should be 1- to 1.5-inch diameter in size. The gravel should overlap the curb cut opening a minimum of 6 inches. The gravel pad inside the Bioretention Facility should be flush with the finished surface at the curb cut and extend to the bottom of the slope.

In addition, place an apron of stone or concrete, a foot square or larger, inside each inlet to prevent vegetation from growing up and blocking the inlet. See Figure 3.

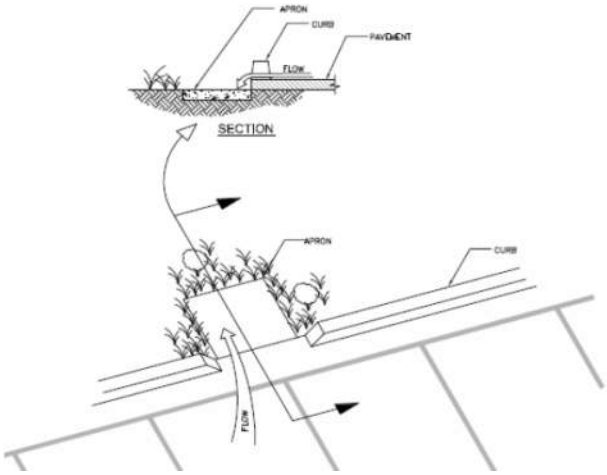


Figure 3: Apron located in a Bioretention Facility

Terracing the Landscaped Filter Basin

It is recommended that Bioretention Facilities be level. In the event the facility site slopes and lacks proper design, water would fill the lowest point of the BMP and then discharge from the basin without being treated. To ensure that the water will be held within the Bioretention Facility on sloped sites, the BMP must be terraced with nonporous check dams to provide the required storage and treatment capacity.

The terraced version of this BMP shall be used on non-flat sites with no more than a 3 percent slope. The surcharge depth cannot exceed 0.5 feet, and side slopes shall not exceed 4:1. Table 2 below shows the spacing of the check dams, and slopes shall be rounded up (i.e., 2.5 percent slope shall use 10' spacing for check dams).

Table 2: Check Dam Spacing

6" Check Dam Spacing	
Slope	**Spacing**
1%	*25'*
2%	*15'*
3%	*10'*

Roof Runoff

Roof downspouts may be directed towards Bioretention Facilities. However, the downspouts must discharge onto a concrete splash block to protect the Bioretention Facility from erosion.

Retaining Walls

It is recommended that Retaining Wall Type 1A, per Caltrans Standard B3-3 or equivalent, be constructed around the entire perimeter of the Bioretention Facility. This practice will protect the sides of the Bioretention Facility from collapsing during construction and maintenance or from high service loads adjacent to the BMP. Where such service loads would not exist adjacent to the BMP, an engineered alternative may be used if signed by a licensed civil engineer.

Side Slope Requirements

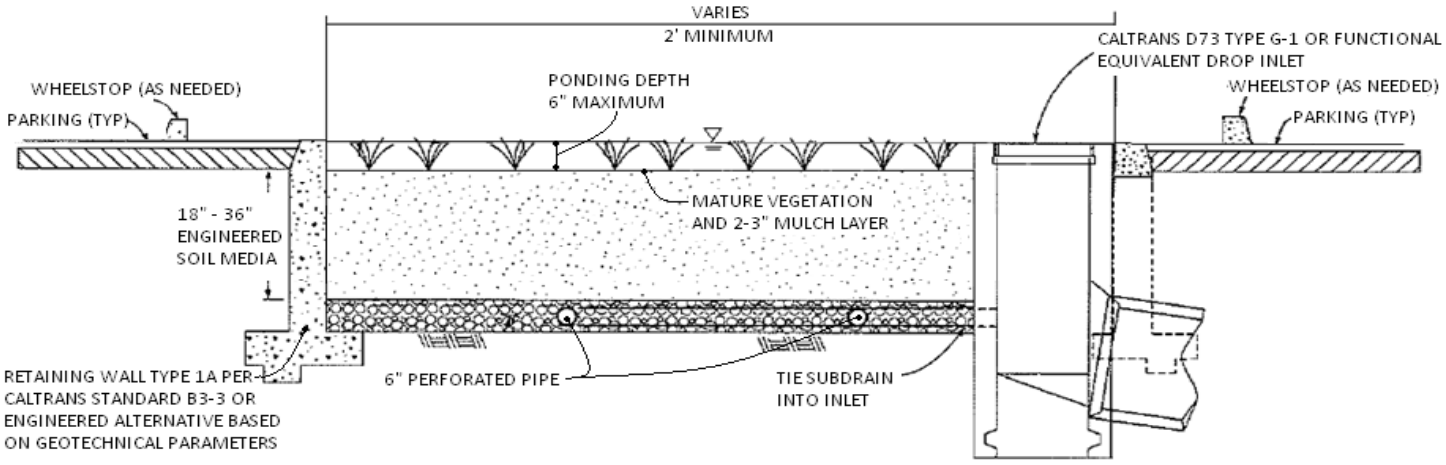
Bioretention Facilities Requiring Side Slopes

The design should assure that the Bioretention Facility does not present a tripping hazard. Bioretention Facilities proposed near pedestrian areas, such as areas parallel to parking spaces or along a walkway, must have a gentle slope to the bottom of the facility. Side slopes inside of a Bioretention Facility shall be 4:1. A typical cross section for the Bioretention Facility is shown in Figure 1.

Bioretention Facilities Not Requiring Side Slopes

Where cars park perpendicular to the Bioretention Facility, side slopes are not required. A 6-inch maximum drop may be used, and the Bioretention Facility must be planted with trees and shrubs to prevent pedestrian access. In this case, a curb is not placed around the Bioretention Facility,

but wheel stops shall be used to prevent vehicles from entering the Bioretention Facility, as shown in Figure 4.



Planter Boxes

Bioretention Facilities can also be placed above ground as planter boxes. Planter boxes must have a minimum width of 2 feet, a maximum surcharge depth of 6 inches, and no side slopes are necessary. Planter boxes must be constructed so as to ensure that the top surface of the engineered soil media will remain level. This option may be constructed of concrete, brick, stone or other stable materials that will not warp or bend. Chemically treated wood or galvanized steel, which has the ability to contaminate stormwater, should not be used. Planter boxes must be lined with an impermeable liner on all sides, including the bottom. Due to the impermeable liner, the inside bottom of the planter box shall be designed and constructed with a cross fall, directing treated flows within the subdrain layer toward the point where subdrain exits the planter box, and subdrains shall be oriented with drain holes oriented down. These provisions will help avoid excessive stagnant water within the gravel underdrain layer. Similar to the in-ground Bioretention Facility versions, this BMP benefits from healthy plants and biological activity in the root zone. Planter boxes should be planted with appropriately selected vegetation.



Figure 5: Planter Box
Source: LA Team Effort

Overflow

An overflow route is needed in the Bioretention Facility design to bypass stored runoff from storm events larger than V_{BMP} or in the event of facility or subdrain clogging. Overflow systems must connect to an acceptable discharge point, such as a downstream conveyance system as shown in Figure 1 and Figure 4. The inlet to the overflow structure shall be elevated inside the Bioretention Facility to be flush with the ponding surface for the design capture volume (V_{BMP}) as shown in Figure 4. This will allow the design capture volume to be fully treated by the Bioretention Facility, and for larger events to safely be conveyed to downstream systems. The overflow inlet shall **not** be located in the entrance of a Bioretention Facility, as shown in Figure 6.

Underdrain Gravel and Pipes

An underdrain gravel layer and pipes shall be provided in accordance with Appendix B – Underdrains.



Figure 6: Incorrect Placement of an Overflow Inlet.

Inspection and Maintenance Schedule

The Bioretention Facility area shall be inspected for erosion, dead vegetation, soggy soils, or standing water. The use of fertilizers and pesticides on the plants inside the Bioretention Facility should be minimized.

Schedule	Activity
Ongoing	• Keep adjacent landscape areas maintained. Remove clippings from landscape maintenance activities. • Remove trash and debris • Replace damaged grass and/or plants • Replace surface mulch layer as needed to maintain a 2-3 inch soil cover.
After storm events	• Inspect areas for ponding
Annually	• Inspect/clean inlets and outlets

Bioretention Facility Design Procedure

1) Enter the area tributary, A_T, to the Bioretention Facility.

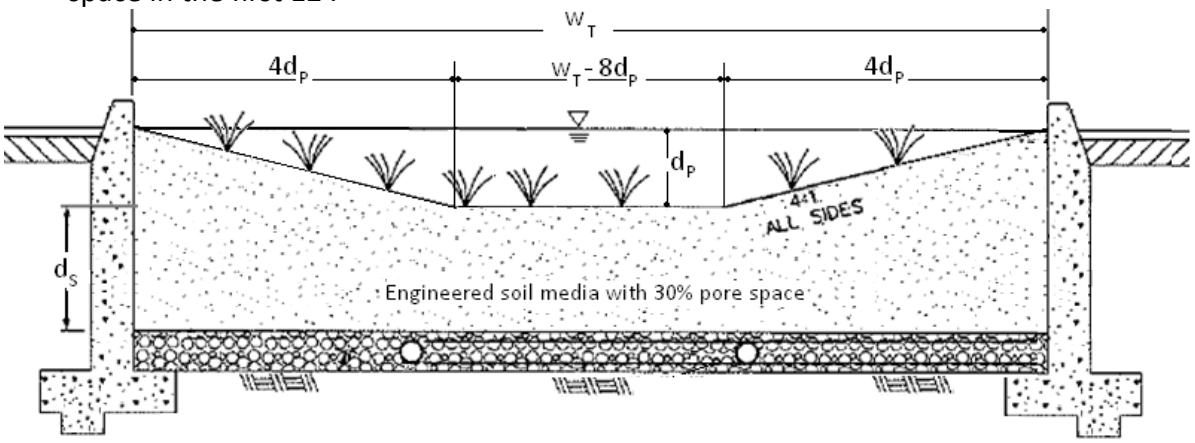
2) Enter the Design Volume, $V_{BMP,}$ determined from Section 2.1 of this Handbook.

3) Select the type of design used. There are two types of Bioretention Facility designs: the standard design used for most project sites that include side slopes, and the modified design used when the BMP is located perpendicular to the parking spaces or with planter boxes that do not use side slopes.

4) Enter the depth of the engineered soil media, d_S. The minimum depth for the engineered soil media can be 18' in limited cases, but it is recommended to use 24' or a preferred 36' to provide an adequate root zone for the chosen plant palette. Engineered soil media deeper than 36' will only get credit for the pore space in the first 36'.

5) Enter the top width of the Bioretention Facility.

6) Calculate the total effective depth, d_E, within the Bioretention Facility. The maximum allowable pore space of the soil media is 30% while the maximum allowable pore space for the gravel layer is 40%. Gravel layer deeper than 12' will only get credit for the pore space in the first 12'.



a. For the design with side slopes the following equation shall be used to determine the total effective depth. Where, d_P is the depth of ponding within the basin.

$$d_E(\text{ft}) = \frac{0.3 \times \left[\left(w_T(\text{ft}) \times d_S(\text{ft})\right) + 4\left(d_P(\text{ft})\right)^2\right] + 0.4 \times 1(\text{ft}) + d_P(\text{ft})\left[4d_P(\text{ft}) + \left(w_T(\text{ft}) - 8d_P(\text{ft})\right)\right]}{w_T(\text{ft})}$$

This above equation can be simplified if the maximum ponding depth of 0.5' is used. The equation below is used on the worksheet to find the minimum area required for the Bioretention Facility:

$$d_E(\text{ft}) = (0.3 \times d_S(\text{ft}) + 0.4 \text{ x } 1(\text{ft})) - \left(\frac{0.7\ (\text{ft}^2)}{w_T(\text{ft})}\right) + 0.5(\text{ft})$$

b. For the design without side slopes the following equation shall be used to determine the total effective depth:

$$d_E(\text{ft}) = d_P(\text{ft}) + [(0.3) \times d_S(\text{ft}) + (0.4) \times 1(\text{ft})]$$

The equation below, using the maximum ponding depth of 0.5', is used on the worksheet to find the minimum area required for the Bioretention Facility:

$$d_E(\text{ft}) = 0.5\ (\text{ft}) + [(0.3) \times d_S(\text{ft}) + (0.4) \times 1(\text{ft})]$$

7) Calculate the minimum surface area, A_M, required for the Bioretention Facility. This does not include the curb surrounding the Bioretention Facility or side slopes.

$$A_M(\text{ft}^2) = \frac{V_{BMP}(\text{ft}^3)}{d_E\ (\text{ft})}$$

8) Enter the proposed surface area. This area shall not be less than the minimum required surface area.

9) Verify that side slopes are no steeper than 4:1 in the standard design, and are not required in the modified design.

10) Provide the diameter, minimum 6 inches, of the perforated underdrain used in the Bioretention Facility. See Appendix B for specific information regarding perforated pipes.

11) Provide the slope of the site around the Bioretention Facility, if used. The maximum slope is 3 percent for a standard design.

12) Provide the check dam spacing, if the site around the Bioretention Facility is sloped.

13) Describe the vegetation used within the Bioretention Facility.

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APPENDIX G – HYDROLOGIC ANALYSIS FOR PROPOSED POST-DEVELOPMENT SITE CONDITION

HYDROLOGIC ANALYSIS FOR PROPOSED POST-DEVELOPMENT SITE CONDITION

June 6, 2022

Prepared For:

Calpine Corporation
26226 Antelope Road
Menifee, CA 92585



NV5

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CLPN-21-10584

ENGINEER'S CERTIFICATION

This report has been prepared by or under the direction of the following registered civil engineer who attests to the technical information contained herein.



Jacqueline McMillen, PE C80930 Registered Civil Engineer	06/06/2022 Date	Seal

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 BACKGROUND 1
2.0 HYDROLOGIC ANALYSIS 1
2.1 RUNOFF VOLUMES AND FLOW RATES 1
3.0 CONCLUSIONS AND RECOMMENDATIONS 3

LIST OF TABLES

Table 1. 85th, 24-hour Storm Event Runoff Volume (West Basin) 2
Table 2. 85th, 24-hour Storm Event Runoff Volume (East Basin) 2
Table 3. Site Storage Volumes 3

APPENDICES

Appendix A – Site Drainage Plan
Appendix B – Site Information
Appendix C – HydroCAD Reports

1.0 INTRODUCTION

On behalf of Calpine Corporation (Calpine), Alta Environmental dba NV5 (NV5) has prepared this technical report in order to summarize the evaluation of the proposed post-development site condition for Nova Power Battery Storage Facility (Facility) to be located at the former Inland Empire Energy Center (IEEC) in Menifee, CA. The IEEC was decommissioned prior to Calpine's ownership of the Facility. Upon decommissioning, two existing storm water detention basins were disconnected from the cooling towers, leaving them without means of discharge once capacity is reached. Calpine proposes to retrofit the existing detention basins and utilized them as bioretention basins in order to meet the Low Impact Development (LID) requirements for the City of Menifee.

1.1 BACKGROUND

The facility occupies approximately 45 acres and is located at 26226 Antelope Road in Menifee, CA. The site is relatively level, with a very slight slope to the south and west. The elevation of the facility ranges from 1,433 to 1,448 feet above mean sea level (msl). Surface drainage at the site currently flows generally southward. Stormwater is conveyed through an internal (underground) site separate storm drain system to two retention basins on the southwestern and southeastern corners of the site. The combined design volume of the two sediment basins is 9.3 acre-feet. Site topography, drainage patterns, and stormwater conveyance systems were obtained for the proposed site development plans prepared by NEI Electric Power Engineering, Inc (NEI).

2.0 HYDROLOGIC ANALYSIS

In order to evaluate the post-development storm water management at the Facility, NV5 developed a model of the 85th-percentile, 24-hour design storm event. The storage capacity of two existing retention basins on site and their suitability for the proposed post-development condition was assessed. The following sections include an engineering evaluation of on-site stormwater management capacity for the facility via two storm water retention basins located at the south end of the facility in order to control and reduce the potential for off-site discharges. It is proposed that the two existing retentions basins will be retrofitted as bioretention LID best management practices (BMPs).

2.1 RUNOFF VOLUMES AND FLOW RATES

Storm water runoff volumes for the facility were estimated using HydroCAD v10.0 software to model storm water flow. Site specific information entered into the model includes:

- Drainage areas calculated from proposed post-development site plan in AutoCAD
- Hydrologic soil groups obtained from available soil survey data from the United States Department of Agriculture
- Surface type/runoff curve numbers
- Ground slope calculated from proposed post-development site plan in AutoCAD

Surface types were based upon evaluation by NV5 personnel during the site visit conducted on January 27, 2022 and upon the proposed post-development site plan by NEI. Additionally, local meteorological data was included in the model to replicate the desired storm event for evaluation. The amount of rainfall produced by the storm is based on the average recurrence interval, in years, and the duration of the design storm. The design storm depth for Menifee, CA was obtained from the Isohyetal Map in Exhibit A of the Water Quality Management Plan Guidance Document for the Santa

Ana Region of Riverside County. The 85th-percentile, 24-hour design storm event of 0.65 inches was modeled in order to determine if the provided storm water storage capacity is sufficient. A site map showing delineated Drainage Management Areas (DMAs) is included in **Appendix A**. Additional site information incorporated into the model are included in **Appendix B**. Runoff volumes and peak flow rates from the design storm for each DMA are summarized in **Tables 1** and **2**.

Table 1. 85th, 24-hour Storm Event Runoff Volume (West Basin)

Drainage Management Area	Area (Acres)	Percent Impervious (%)	Peak Flow Rate (cfs)	Runoff Volume (AF)
W1	9.37	46%	0.33	0.093
W2	1.98	85%	0.54	0.054
W3	2.01	86%	0.48	0.055
W4	2.47	26%	0.01	0.009
W5	2.85	89%	0.58	0.092
W6	1.32	90%	0.43	0.042
W7	5.35	63%	0.83	0.107
TOTAL	**25.4**	**61%**	**1.71**	**0.451**

Notes: cfs – cubic feet per second
AF – acre-feet

Table 2. 85th, 24-hour Storm Event Runoff Volume (East Basin)

Drainage Management Area	Area (Acres)	Percent Impervious (%)	Peak Flow Rate (cfs)	Runoff Volume (AF)
E1	3.63	70%	0.17	0.043
E2	1.10	63%	0.14	0.022
E3	4.13	13%	0.03	0.023
E4	1.50	61%	0.20	0.029
E5	2.17	18%	0.01	0.012
E6	2.43	90%	0.69	0.078
E7	1.78	1%	0.01	0.006
TOTAL	**16.7**	**43%**	**0.87**	**0.213**

Notes: cfs – cubic feet per second
AF – acre-feet

Runoff from the analyzed drainage areas was calculated in the HydroCAD model and used to confirm that the size of the elements was appropriate for the storm water capture system. The HydroCAD Report, included in **Appendix C,** documents the analysis used in determining the stormwater runoff flow rate and volume. The storage available in the West retention basin is 4.43 acre-feet. The storage available in the East retention basin is 4.83 acre-feet. For a conservative estimate, infiltration rates for typical soils in the area were assumed to be negligible. However, it is likely that some infiltration will occur. The site storage volume totals are summarized in **Table 3**.

Table 3. Site Storage Volumes

Site Feature	Available Storage Capacity (AF)	Required Storage Capacity (AF)
West Basin	4.43	0.451
East Basin	4.83	0.213

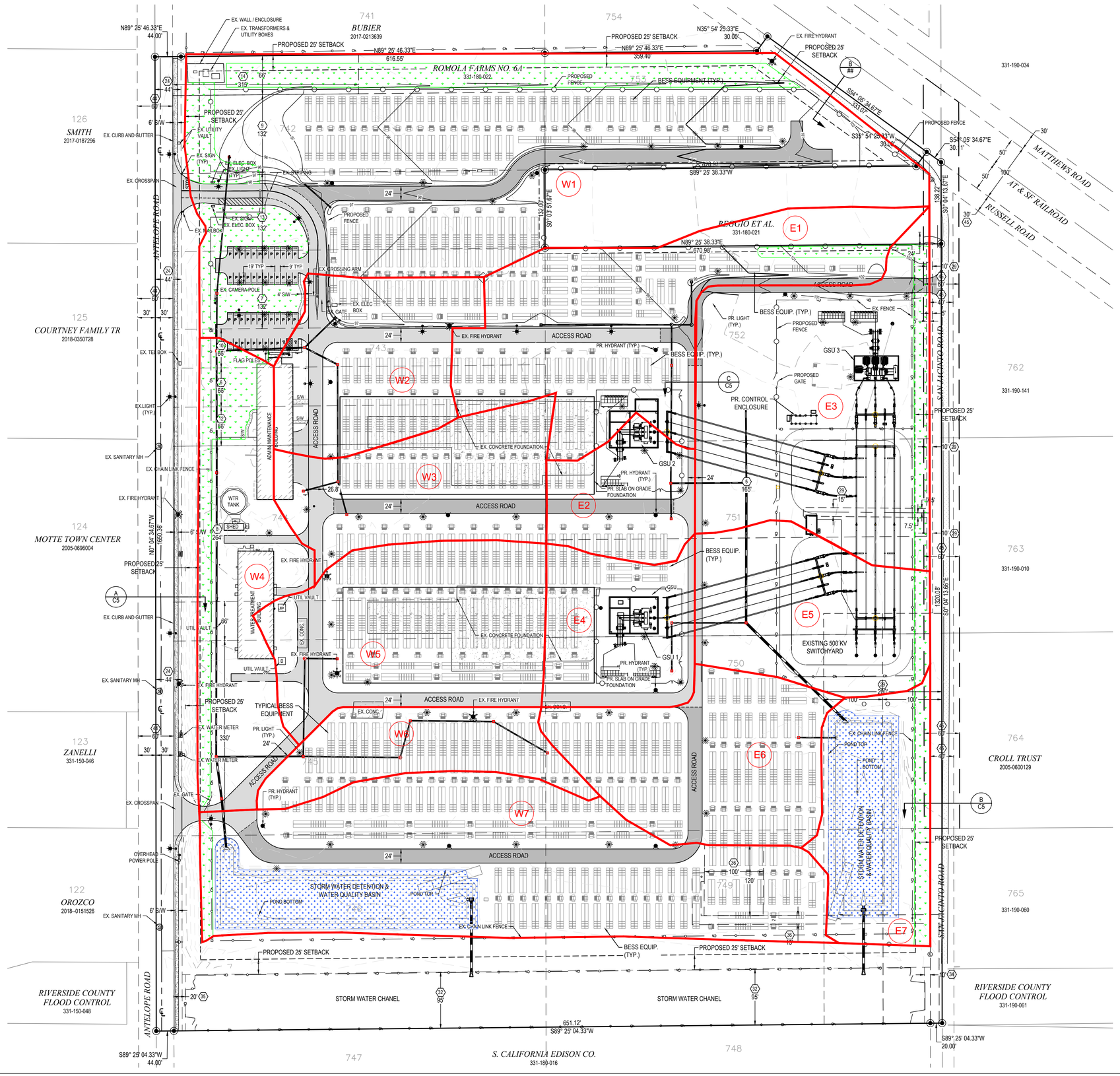
Notes: AF – acre-feet

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the facility information provided by Calpine, as well as that which could be collected at the site, it has been determined that the existing retention basins have more than sufficient available capacity to manage the proposed post-development storm water runoff for the 85th-percentile, 24-hour storm design storm event. The existing retention basins on site should be retrofitted to function as bioretention LID BMPs in order to further improve water quality prior to discharge. Also, because a smaller portion of the site discharges to the East Basin, despite its slightly larger storage capacity, the East Basin could be connected to the West Basin for equalization purposes to balance the overall storage, and to have routing that pumps to the single discharge point to the Romoland Channel. The retentions basins will also be equipped with an overflow connection to the Romoland Channel for larger storm events.

To prevent standing water and vector issues, the discharge of storm water above and beyond the design storm volume will be conveyed to the Romoland Channel. It is recommended that appropriate best management practices for the control of erosion and sediment during site development activities should be implemented.

APPENDIX A: SITE DRAINAGE PLAN



SITE PLAN LEGEND

PROPOSED		EXISTING	
	ROW		PROPERTY LINE
	PROPERTY SETBACK		EASEMENT
	CENTERLINE		CENTERLINE
	FENCE		FENCE
	CENTERLINE		CENTERLINE
	HYDRANT		HYDRANT
	LIGHT		LIGHT
	24' W ALL WEATHER SURFACE	IM	WATER METER
W1	DMA LABEL	45	EASEMENT NUMBER
	DMA BOUNDARY		EASEMENT NUMBER
	BIORETENTION BASIN FOR POLLUTION AND FLOOD CONTROL		ELEC. POWER POLE W/GUY
			LANDSCAPING

ABBREVIATIONS

ESMT	EASEMENT	PCR	POINT OF CURB RETURN
ELEC	ELECTRIC	PR	PROPOSED
EG	EXISTING GROUND	ROW	RIGHT OF WAY
EX	EXISTING	SW	SWALE
GSU	GENERATOR STEP UP TRANSFORMER	S/W	SWALE
HP	HIGH POINT	TYP	TYPICAL
INV	INVERT ELEVATION	UTIL	UTILITY

EASEMENTS

45

WEST BIORETENTION BASIN

DMA	AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	% IMPERVIOUS
W1	408,237.3	188,660.3	219,577.1	46%
W2	86,229.1	73,453.9	12,775.2	85%
W3	87,581.7	75,077.0	12,504.7	86%
W4	107,527.0	27,997.7	79,529.3	26%
W5	124,269.9	110,080.9	14,189.0	89%
W6	57,331.3	51,662.5	5,668.8	90%
W7	233,182.6	146,959.8	86,222.8	63%
TOTAL	1,104,358.9	673,892.1	430,466.8	61%

EAST BIORETENTION BASIN

DMA	AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	% IMPERVIOUS
E1	158,004.8	110,439.7	47,565.1	70%
E2	47,993.9	30,328.9	17,665.0	63%
E3	179,764.2	22,688.8	157,075.4	13%
E4	65,235.7	40,018.4	25,217.3	61%
E5	94,623.7	16,900.9	77,722.7	18%
E6	105,739.0	95,299.8	10,439.2	90%
E7	77,432.1	641.8	76,790.3	1%
TOTAL	728,793.4	316,318.4	412,474.9	43%

NOTE: THE TOTAL SITE ACREAGE IS 43.2 ACRES. THE WESTERN PORTION OF THE EXISTING LANDSCAPED SCREENING BERM ALONG ANTELOPE ROAD IS SLOPED AWAY FROM THE ON-SITE DRAINAGE SYSTEM.

N

0 20' 80' 160' 240'
10' 40' 120' 200'
SCALE: 1"=80'

PRELIMINARY
NOT FOR CONSTRUCTION
FOR REVIEW & APPROVAL ONLY

PREPARED FOR:
COLTON CORPORATION
MENIFEE, CALIFORNIA

PREPARED BY:
NV5 | ALTA ENVIRONMENTAL
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F: (562) 495-5787
(BASE DRAWING PREPARED BY OTHERS)

NV5 ALTA ENVIRONMENTAL

NO.	DATE	REVISION	BY

NOVA ENERGY BATTERY STORAGE FACILITY
SITE AND DRAINAGE PLAN
MENIFEE, CALIFORNIA

Date 06/06/2022
Scale 1"=80'
Sheet No. 1 OF 1
File No. CLPN-21-10584

APPENDIX B: SITE INFORMATION

R 07 W | R 06 W | R 05 W | R 04 W | R 03 W | R 02 W | R 01 W | R 01 E | R 02 E | R 03 E | R 04 E | R 05 E

T 01 S
T 02 S
T 03 S
T 04 S
T 05 S
T 06 S
T 07 S
T 08 S

06	05	04	03	02	01
07	08	09	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

0.85 MiraLoma
0.61 Riverside North
0.54 Riverside South
0.68 PigeonPass
0.66 MorenoEast
0.85 Beaumont
0.88 PradoDam
0.51 Woodcrest
0.50 LakeMathews
0.68 PerrisReservoir
0.87 VistaGrandeGS
0.70 SanJacintoNWS
1.18 Idyllwild
0.58 SunCity
0.68 Winchester
0.90 HurkeyCreek
0.70 ElsinoreNWS
1.11 ElCarisoStation
0.77 WildomarLaCresta
0.52 SkinnerLake
0.65 Anza
0.77 SantaRosaPlateau
1.00 TemeculaNWS
0.64 AguangaValley

Santa Ana River Watershed
Santa Margarita Watershed

JURUPA VALLEY | EASTVALE | NORCO | CORONA | RIVERSIDE | MORENO VALLEY | CALIMESA | BEAUMONT | SAN JACINTO | PERRIS | CANYON LAKE | LAKE ELSINORE | WILDOMAR | MENIFEE | HEMET | MURRIETA | TEMECULA

N

Rain Gage Locations

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

Isohyetal Map for the 85th Percentile 24 hour Storm Event

July 2011

Soil Map—Western Riverside Area, California



Map Scale: 1:4,320 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Western Riverside Area, California
Survey Area Data: Version 14, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 25, 2019—Jun 25, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EnC2	Exeter sandy loam, 2 to 8 percent slopes, eroded	61.4	77.2%
EwB	Exeter very fine sandy loam, 0 to 5 percent slopes	0.3	0.4%
GyC2	Greenfield sandy loam, 2 to 8 percent slopes, eroded	4.8	6.1%
MaB2	Madera fine sandy loam, 2 to 5 percent slopes, eroded	4.6	5.8%
MmB	Monserate sandy loam, 0 to 5 percent slopes	2.9	3.7%
MnD2	Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded	5.4	6.8%
Totals for Area of Interest		**79.5**	**100.0%**

Western Riverside Area, California

EnC2—Exeter sandy loam, 2 to 8 percent slopes, eroded

Map Unit Setting

National map unit symbol: hcth
Elevation: 20 to 700 feet
Mean annual precipitation: 7 to 20 inches
Mean annual air temperature: 61 to 64 degrees F
Frost-free period: 250 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Exeter and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Exeter

Setting

Landform: Alluvial fans
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 16 inches: sandy loam
H2 - 16 to 37 inches: sandy clay loam
H3 - 37 to 50 inches: indurated
H4 - 50 to 60 inches: stratified sandy loam to silt loam

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: 20 to 40 inches to duripan
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C

Ecological site: R019XD029CA - LOAMY
Hydric soil rating: No

Minor Components

Ramona
Percent of map unit: 5 percent
Hydric soil rating: No

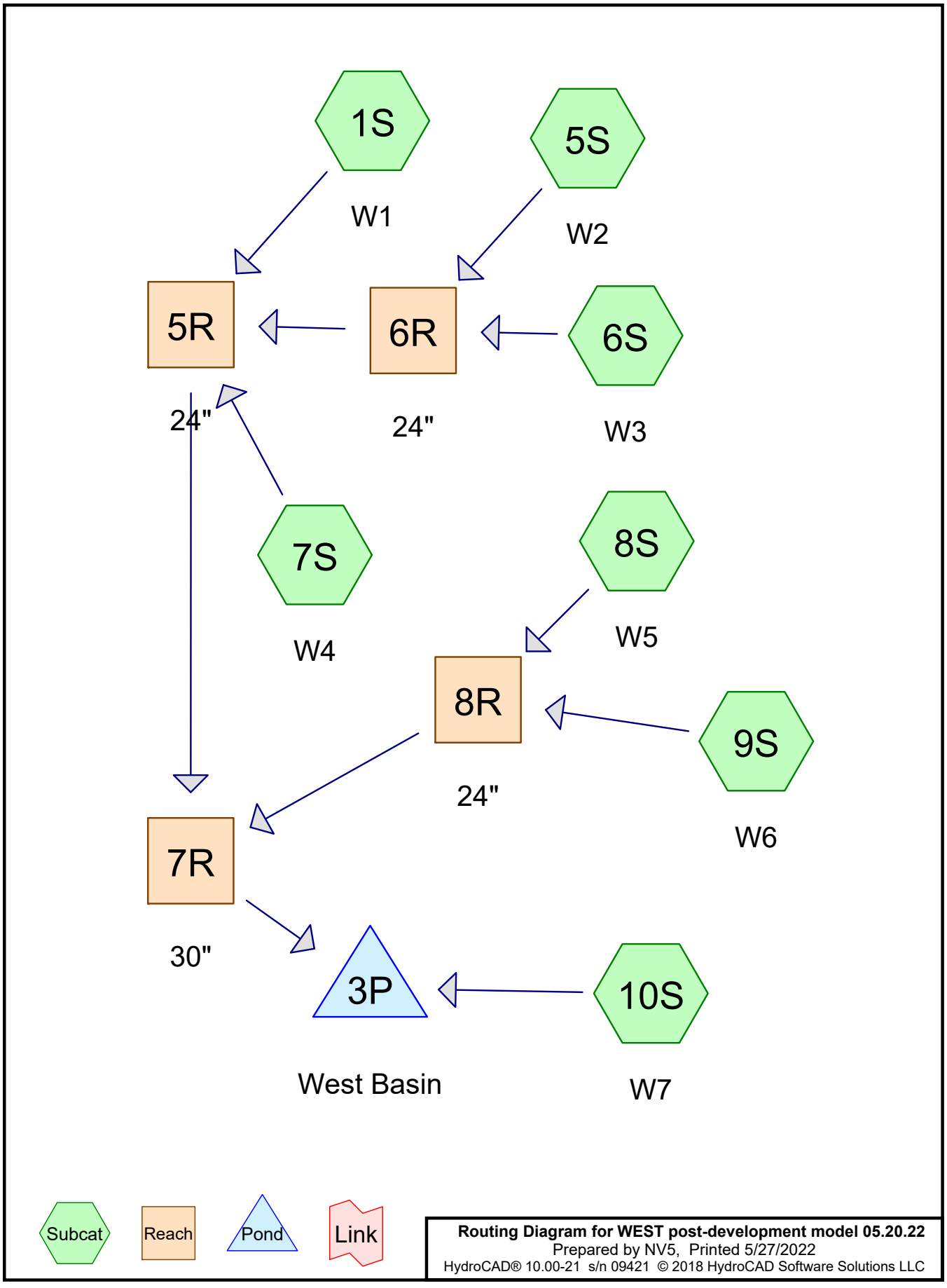
Monserate
Percent of map unit: 5 percent
Hydric soil rating: No

Greenfield
Percent of map unit: 5 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Western Riverside Area, California
Survey Area Data: Version 14, Sep 13, 2021

APPENDIX C: HYDROCAD REPORTS



Routing Diagram for WEST post-development model 05.20.22
Prepared by NV5, Printed 5/27/2022
HydroCAD® 10.00-21 s/n 09421 © 2018 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
7.500	87	Dirt roads, HSG C (1S, 5S, 6S, 7S, 8S, 9S, 10S)
15.470	98	Unconnected pavement, HSG C (1S, 5S, 6S, 7S, 8S, 9S, 10S)
2.480	76	Woods/grass comb., Fair, HSG C (1S, 7S, 10S)
25.450	**93**	**TOTAL AREA**

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	1S	0.00	0.00	325.0	0.0050	0.015	18.0	0.0	0.0
2	6S	0.00	0.00	256.0	0.0050	0.015	18.0	0.0	0.0
3	8S	0.00	0.00	221.0	0.0050	0.015	18.0	0.0	0.0
4	9S	0.00	0.00	475.0	0.0050	0.015	18.0	0.0	0.0
5	5R	97.73	96.70	1,013.0	0.0010	0.015	24.0	0.0	0.0
6	6R	98.65	97.91	149.3	0.0050	0.015	24.0	0.0	0.0
7	7R	96.70	95.92	156.0	0.0050	0.015	30.0	0.0	0.0
8	8R	98.20	97.47	147.0	0.0050	0.015	24.0	0.0	0.0

Time span=0.00-36.00 hrs, dt=0.03 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: W1 Runoff Area=9.370 ac 46.21% Impervious Runoff Depth=0.12"
Flow Length=1,570' Tc=18.4 min CN=90 Runoff=0.33 cfs 0.093 af

Subcatchment 5S: W2 Runoff Area=1.980 ac 85.35% Impervious Runoff Depth=0.33"
Flow Length=213' Slope=0.0090 '/' Tc=3.8 min CN=96 Runoff=0.54 cfs 0.054 af

Subcatchment 6S: W3 Runoff Area=2.010 ac 85.57% Impervious Runoff Depth=0.33"
Flow Length=668' Tc=9.2 min CN=96 Runoff=0.48 cfs 0.055 af

Subcatchment 7S: W4 Runoff Area=2.470 ac 25.91% Impervious Runoff Depth=0.04"
Flow Length=262' Slope=0.0076 '/' Tc=16.2 min UI Adjusted CN=85 Runoff=0.01 cfs 0.009 af

Subcatchment 8S: W5 Runoff Area=2.860 ac 88.46% Impervious Runoff Depth=0.39"
Flow Length=614' Slope=0.0050 '/' Tc=23.4 min CN=97 Runoff=0.58 cfs 0.092 af

Subcatchment 9S: W6 Runoff Area=1.320 ac 90.15% Impervious Runoff Depth=0.39"
Flow Length=586' Slope=0.0050 '/' Tc=5.1 min CN=97 Runoff=0.43 cfs 0.042 af

Subcatchment 10S: W7 Runoff Area=5.440 ac 61.95% Impervious Runoff Depth=0.24"
Flow Length=616' Tc=10.2 min CN=94 Runoff=0.83 cfs 0.107 af

Reach 5R: 24" Avg. Flow Depth=0.48' Max Vel=1.37 fps Inflow=1.10 cfs 0.210 af
24.0" Round Pipe n=0.015 L=1,013.0' S=0.0010 '/' Capacity=6.25 cfs Outflow=0.80 cfs 0.210 af

Reach 6R: 24" Avg. Flow Depth=0.36' Max Vel=2.52 fps Inflow=0.97 cfs 0.109 af
24.0" Round Pipe n=0.015 L=149.3' S=0.0050 '/' Capacity=13.80 cfs Outflow=0.96 cfs 0.109 af

Reach 7R: 30" Avg. Flow Depth=0.40' Max Vel=2.74 fps Inflow=1.38 cfs 0.345 af
30.0" Round Pipe n=0.015 L=156.0' S=0.0050 '/' Capacity=25.14 cfs Outflow=1.38 cfs 0.345 af

Reach 8R: 24" Avg. Flow Depth=0.31' Max Vel=2.34 fps Inflow=0.74 cfs 0.134 af
24.0" Round Pipe n=0.015 L=147.0' S=0.0050 '/' Capacity=13.82 cfs Outflow=0.74 cfs 0.134 af

Pond 3P: West Basin Peak Elev=90.69' Storage=0.451 af Inflow=1.71 cfs 0.451 af
Outflow=0.00 cfs 0.000 af

Total Runoff Area = 25.450 ac Runoff Volume = 0.451 af Average Runoff Depth = 0.21"
39.21% Pervious = 9.980 ac 60.79% Impervious = 15.470 ac

Summary for Subcatchment 1S: W1

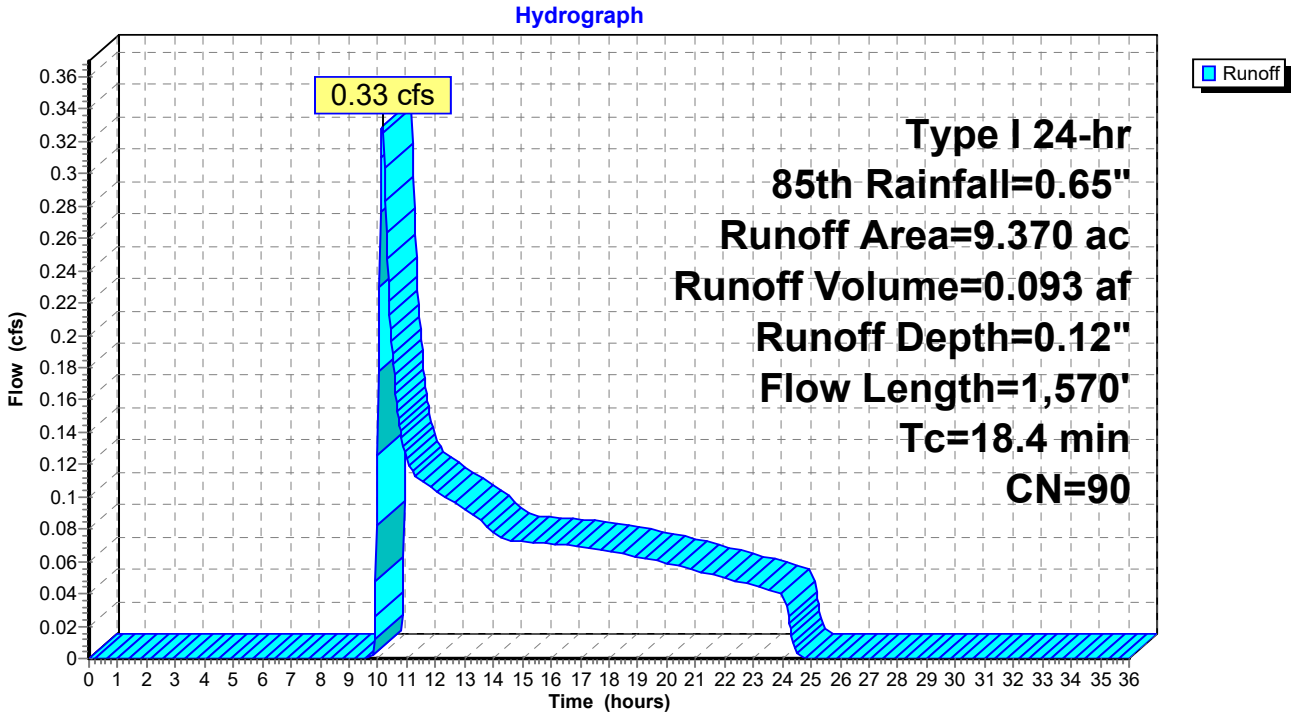
Runoff = 0.33 cfs @ 10.16 hrs, Volume= 0.093 af, Depth= 0.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
4.330	98	Unconnected pavement, HSG C
3.350	87	Dirt roads, HSG C
1.690	76	Woods/grass comb., Fair, HSG C
9.370	90	Weighted Average
5.040		53.79% Pervious Area
4.330		46.21% Impervious Area
4.330		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.7	300	0.0066	0.88		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"
9.2	790	0.0050	1.44		**Shallow Concentrated Flow,** Paved Kv= 20.3 fps
2.0	155	0.0065	1.30		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.5	325	0.0050	3.64	6.44	**Pipe Channel, RCP_Round 18"** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
18.4	1,570	Total			

Subcatchment 1S: W1



Summary for Subcatchment 5S: W2

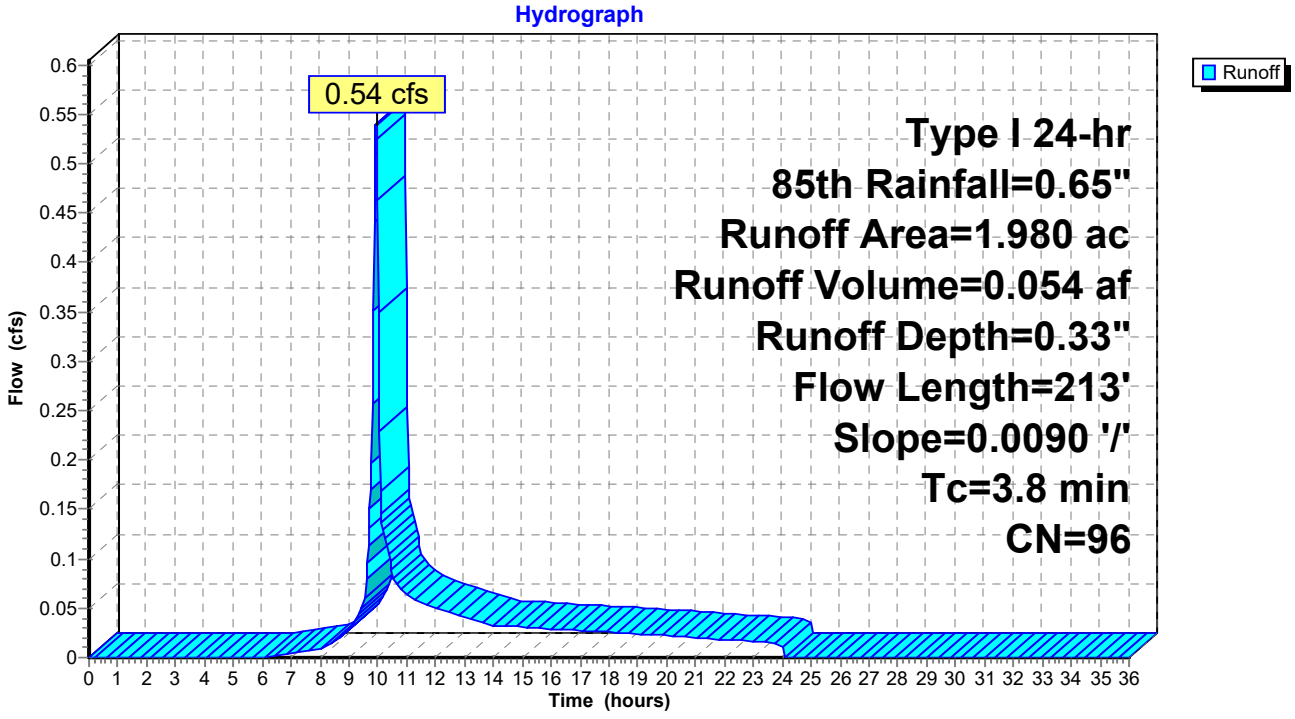
Runoff = 0.54 cfs @ 9.94 hrs, Volume= 0.054 af, Depth= 0.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
1.690	98	Unconnected pavement, HSG C
0.290	87	Dirt roads, HSG C
1.980	96	Weighted Average
0.290		14.65% Pervious Area
1.690		85.35% Impervious Area
1.690		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.8	213	0.0090	0.93		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"

Subcatchment 5S: W2



Summary for Subcatchment 6S: W3

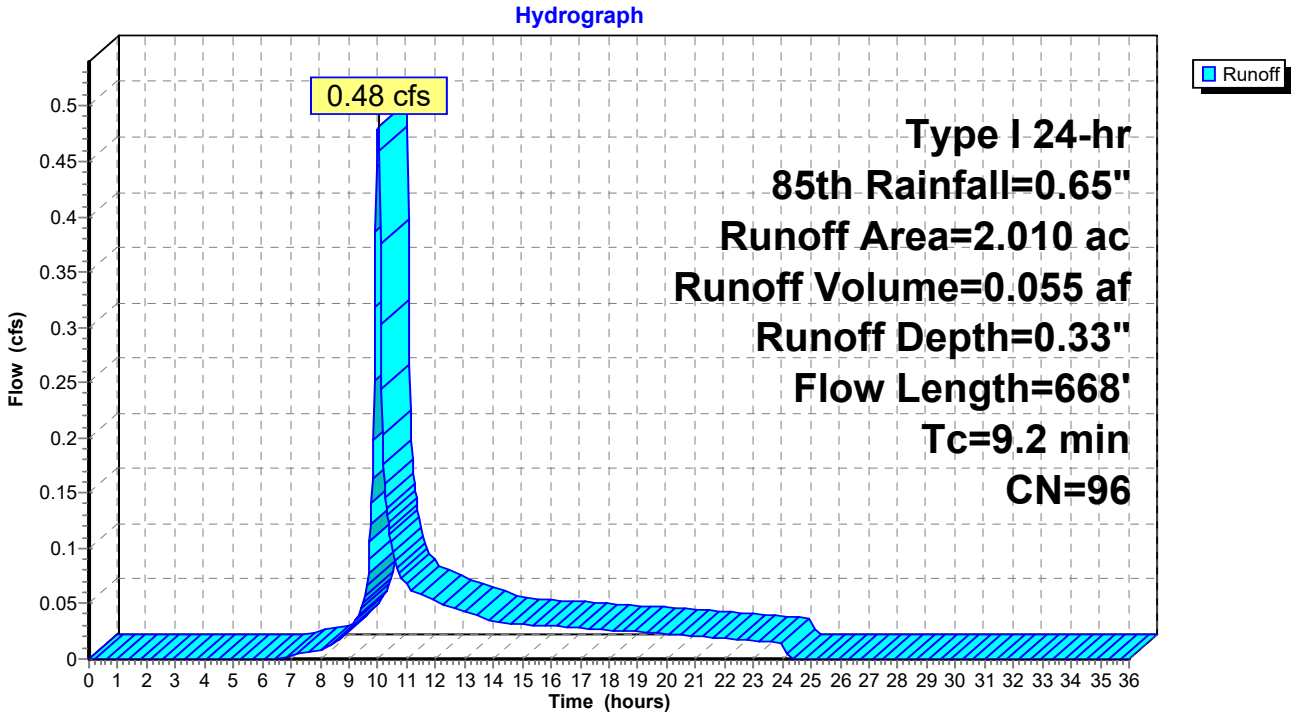
Runoff = 0.48 cfs @ 10.00 hrs, Volume= 0.055 af, Depth= 0.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
1.720	98	Unconnected pavement, HSG C
0.290	87	Dirt roads, HSG C
2.010	96	Weighted Average
0.290		14.43% Pervious Area
1.720		85.57% Impervious Area
1.720		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.9	300	0.0040	0.72		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"
1.1	112	0.0067	1.66		**Shallow Concentrated Flow,** Paved Kv= 20.3 fps
1.2	256	0.0050	3.64	6.44	**Pipe Channel,** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
9.2	668	Total			

Subcatchment 6S: W3



Summary for Subcatchment 7S: W4

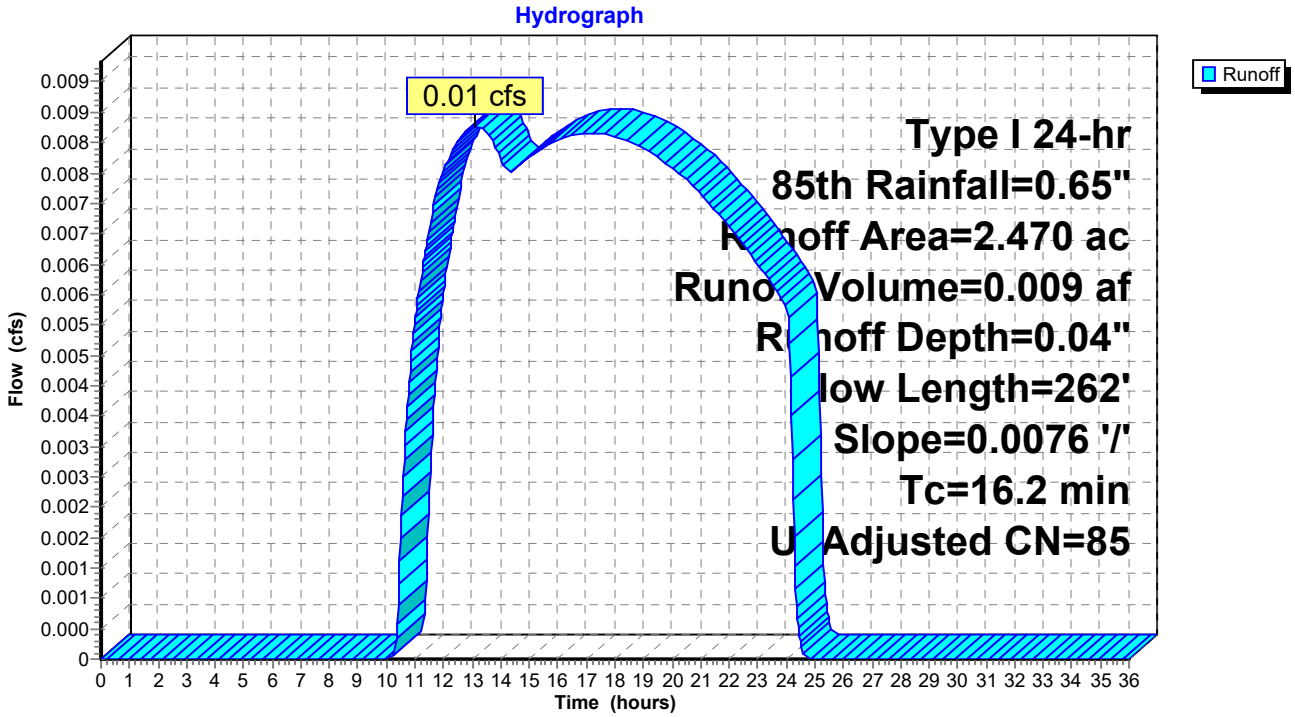
Runoff = 0.01 cfs @ 13.06 hrs, Volume= 0.009 af, Depth= 0.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Adj	Description
0.640	98		Unconnected pavement, HSG C
1.130	87		Dirt roads, HSG C
0.700	76		Woods/grass comb., Fair, HSG C
2.470	87	85	Weighted Average, UI Adjusted
1.830			74.09% Pervious Area
0.640			25.91% Impervious Area
0.640			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.2	262	0.0076	0.27		**Sheet Flow,** Fallow n= 0.050 P2= 2.05"

Subcatchment 7S: W4



Summary for Subcatchment 8S: W5

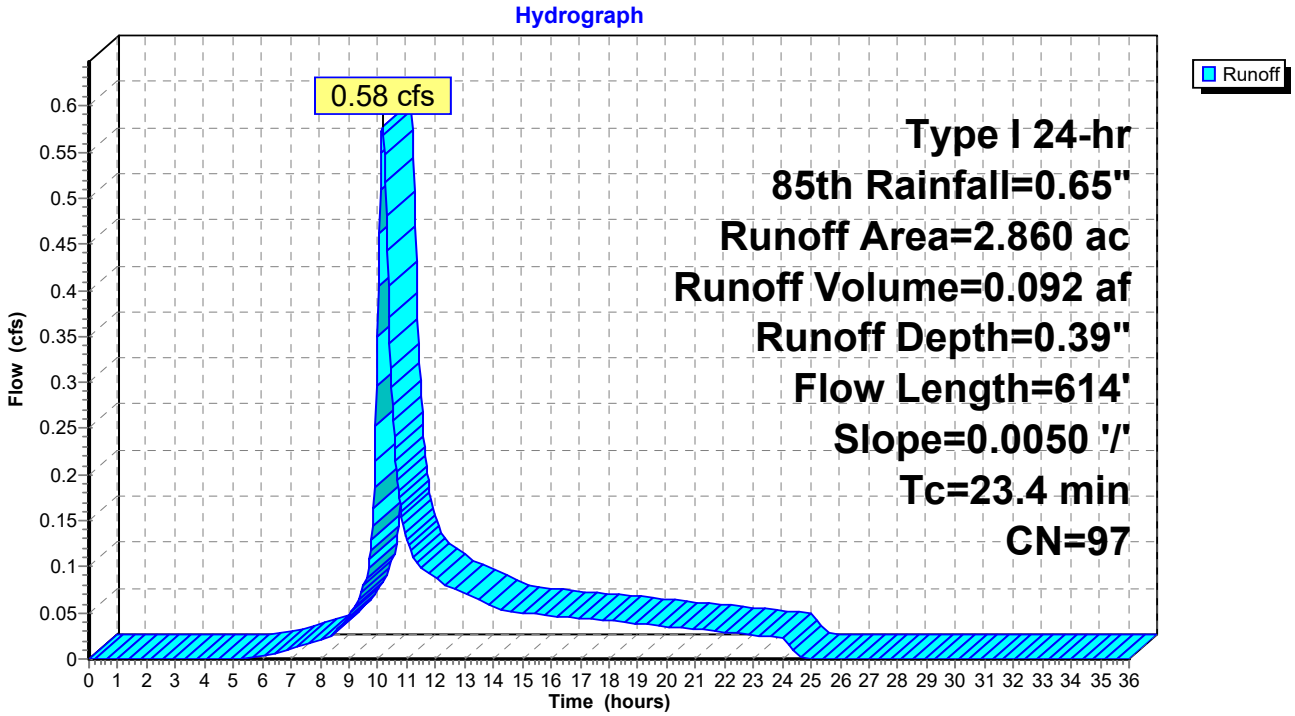
Runoff = 0.58 cfs @ 10.17 hrs, Volume= 0.092 af, Depth= 0.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
2.530	98	Unconnected pavement, HSG C
0.330	87	Dirt roads, HSG C
2.860	97	Weighted Average
0.330		11.54% Pervious Area
2.530		88.46% Impervious Area
2.530		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.3	300	0.0050	0.23		**Sheet Flow,** Fallow n= 0.050 P2= 2.05"
1.1	93	0.0050	1.44		**Shallow Concentrated Flow,** Paved Kv= 20.3 fps
1.0	221	0.0050	3.64	6.44	**Pipe Channel, RCP_Round 18"** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
23.4	614	Total			

Subcatchment 8S: W5



Summary for Subcatchment 9S: W6

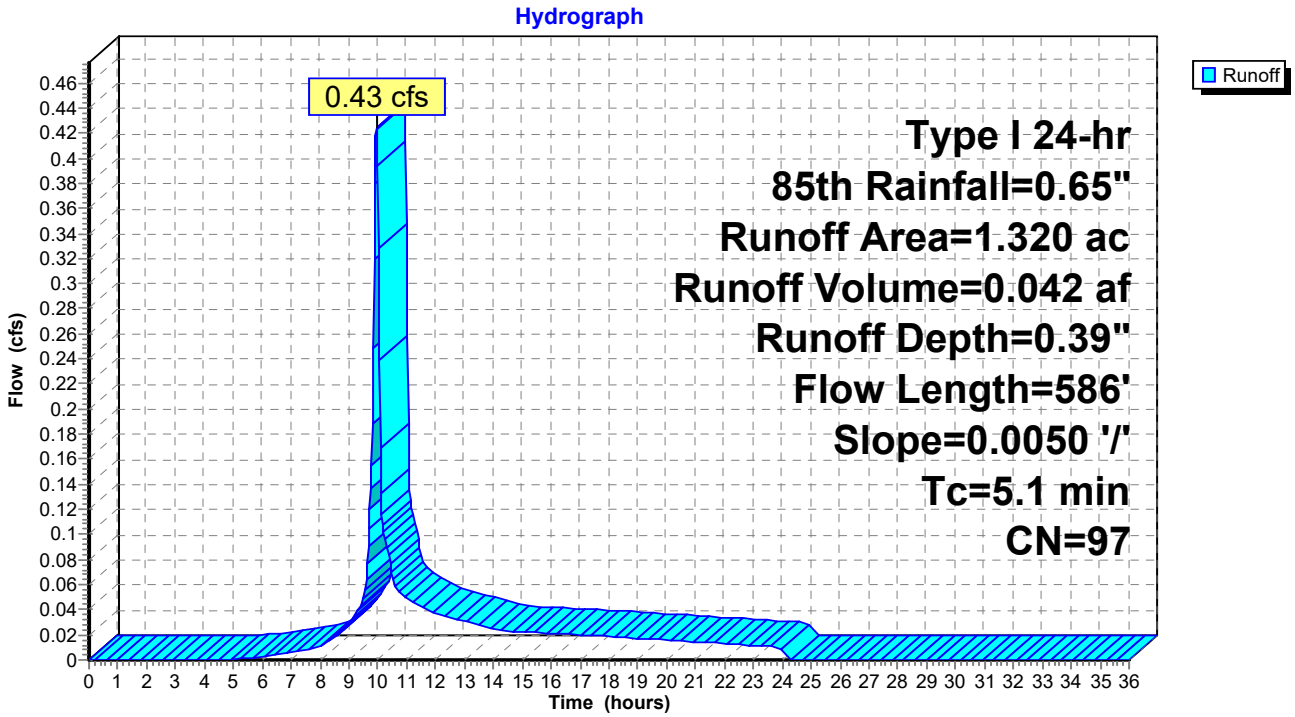
Runoff = 0.43 cfs @ 9.95 hrs, Volume= 0.042 af, Depth= 0.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
1.190	98	Unconnected pavement, HSG C
0.130	87	Dirt roads, HSG C
1.320	97	Weighted Average
0.130		9.85% Pervious Area
1.190		90.15% Impervious Area
1.190		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9	111	0.0050	0.65		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"
2.2	475	0.0050	3.64	6.44	**Pipe Channel, RCP_Round 18"** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
5.1	586	Total			

Subcatchment 9S: W6



Summary for Subcatchment 10S: W7

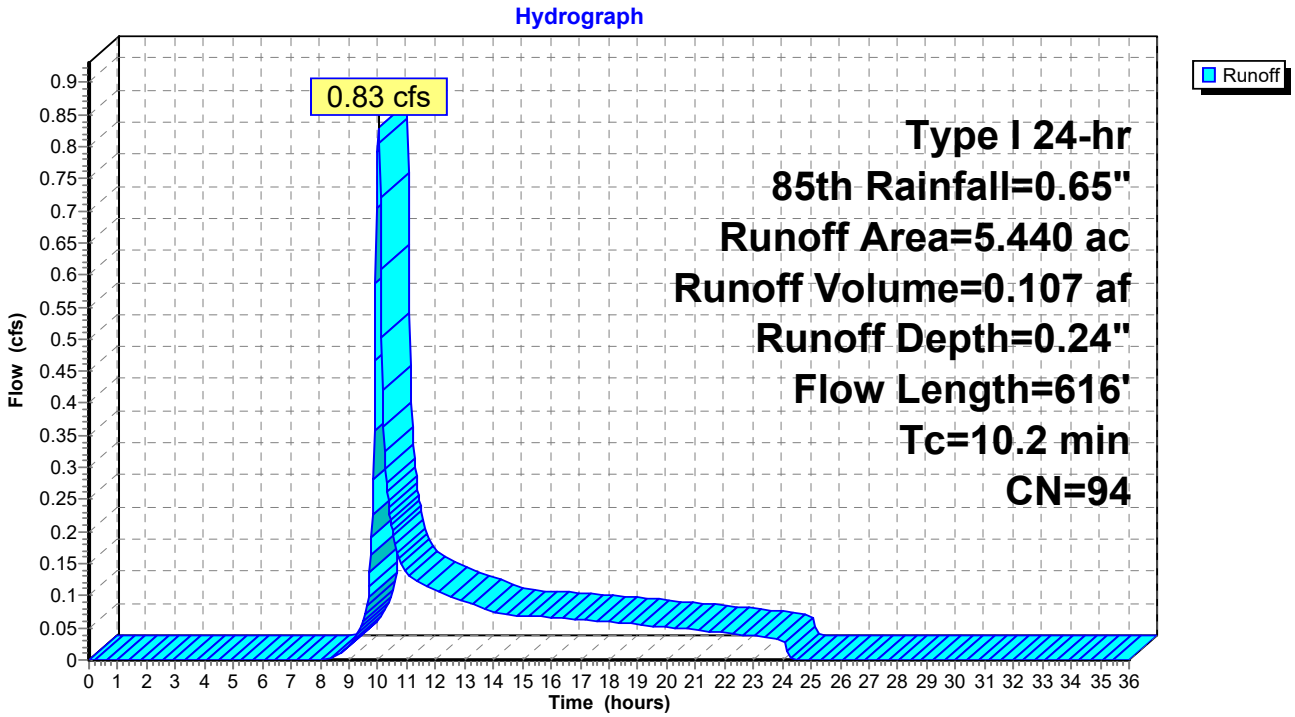
Runoff = 0.83 cfs @ 10.02 hrs, Volume= 0.107 af, Depth= 0.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
3.370	98	Unconnected pavement, HSG C
1.980	87	Dirt roads, HSG C
0.090	76	Woods/grass comb., Fair, HSG C
5.440	94	Weighted Average
2.070		38.05% Pervious Area
3.370		61.95% Impervious Area
3.370		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.6	300	0.0067	0.89		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"
4.6	316	0.0050	1.14		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
10.2	616	Total			

Subcatchment 10S: W7



Summary for Reach 5R: 24"

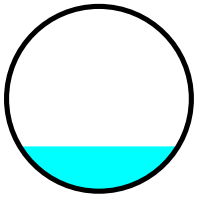
[52] Hint: Inlet/Outlet conditions not evaluated
[62] Hint: Exceeded Reach 6R OUTLET depth by 0.09' @ 10.23 hrs

Inflow Area = 15.830 ac, 52.94% Impervious, Inflow Depth = 0.16" for 85th event
Inflow = 1.10 cfs @ 10.01 hrs, Volume= 0.210 af
Outflow = 0.80 cfs @ 10.34 hrs, Volume= 0.210 af, Atten= 27%, Lag= 19.8 min

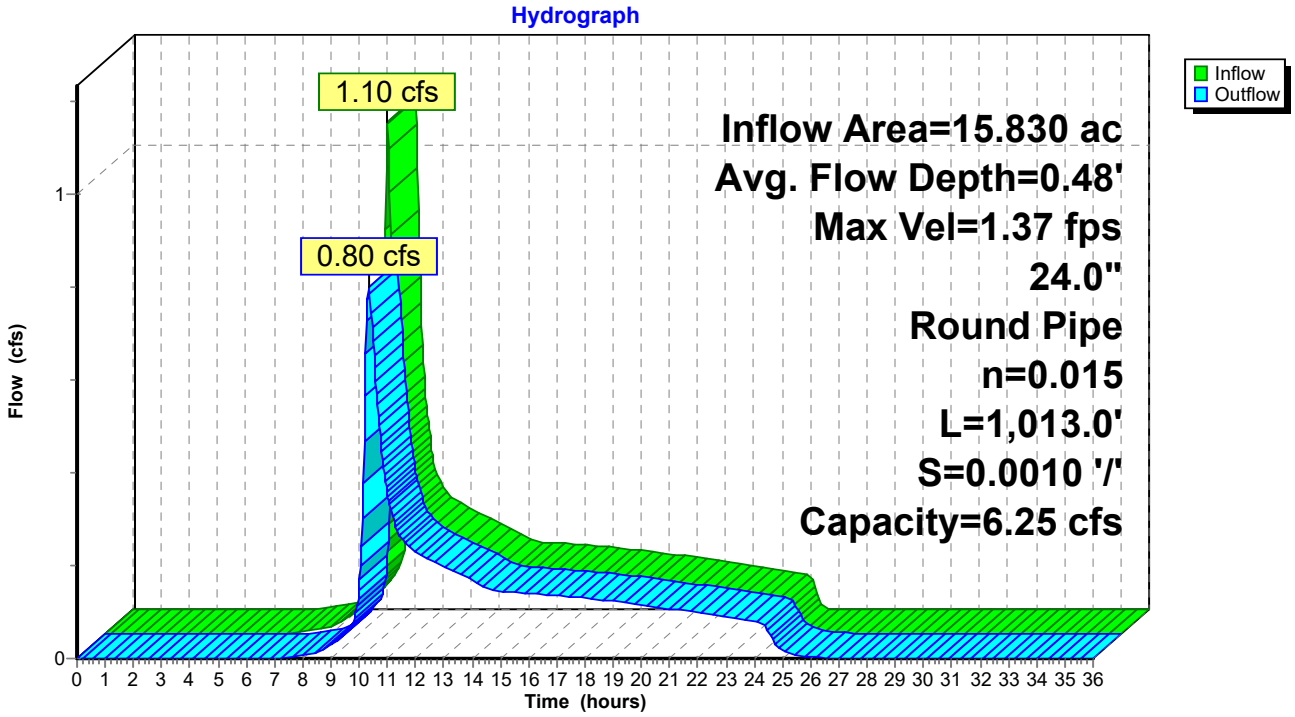
Routing by Stor-Ind+Trans method, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Max. Velocity= 1.37 fps, Min. Travel Time= 12.3 min
Avg. Velocity = 0.58 fps, Avg. Travel Time= 29.3 min

Peak Storage= 593 cf @ 10.14 hrs
Average Depth at Peak Storage= 0.48'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 6.25 cfs

24.0" Round Pipe
n= 0.015 Concrete sewer w/manholes & inlets
Length= 1,013.0' Slope= 0.0010 '/'
Inlet Invert= 97.73', Outlet Invert= 96.70'



Reach 5R: 24"


Hydrograph
1.10 cfs
0.80 cfs
Inflow Area=15.830 ac
Avg. Flow Depth=0.48'
Max Vel=1.37 fps
24.0"
Round Pipe
n=0.015
L=1,013.0'
S=0.0010 '/'
Capacity=6.25 cfs
Inflow
Outflow
Flow (cfs)
0
1
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
Time (hours)

Summary for Reach 6R: 24"

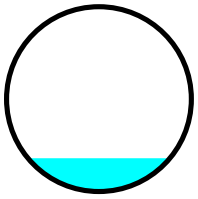
[52] Hint: Inlet/Outlet conditions not evaluated

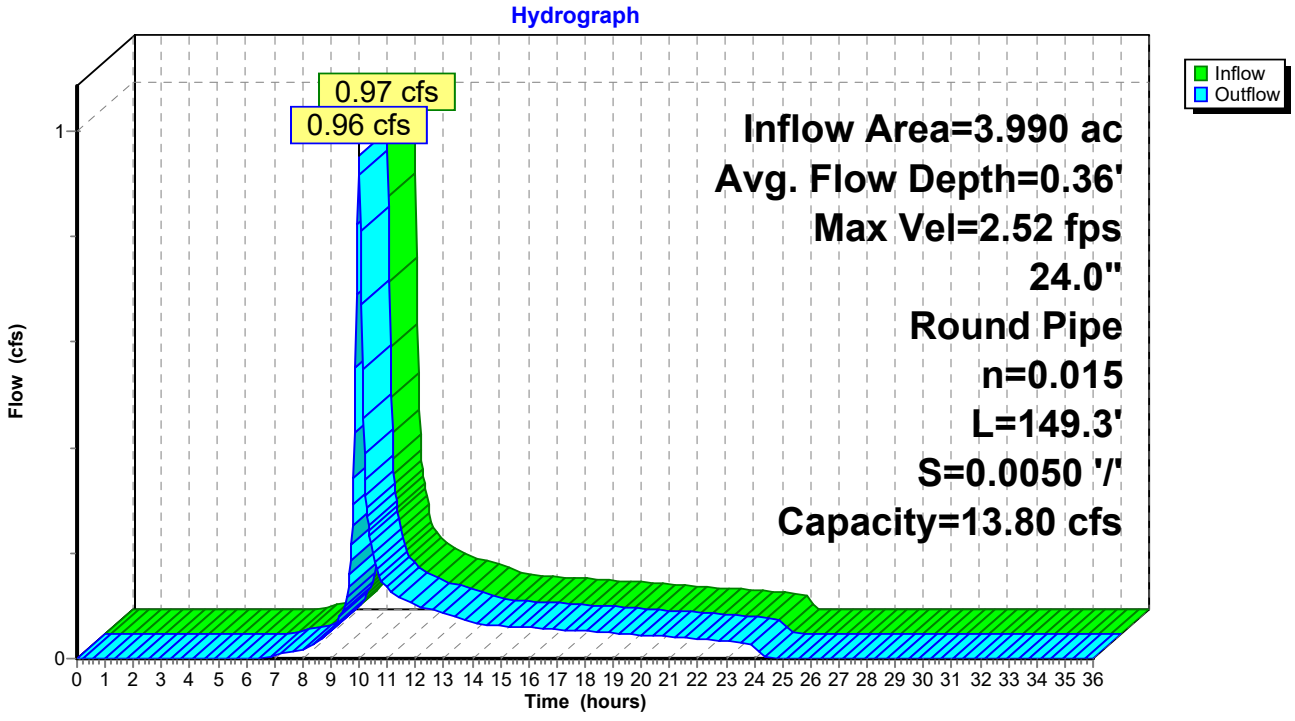
Inflow Area = 3.990 ac, 85.46% Impervious, Inflow Depth = 0.33" for 85th event
Inflow = 0.97 cfs @ 9.96 hrs, Volume= 0.109 af
Outflow = 0.96 cfs @ 9.99 hrs, Volume= 0.109 af, Atten= 2%, Lag= 1.6 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Max. Velocity= 2.52 fps, Min. Travel Time= 1.0 min
Avg. Velocity = 1.05 fps, Avg. Travel Time= 2.4 min

Peak Storage= 57 cf @ 9.97 hrs
Average Depth at Peak Storage= 0.36'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 13.80 cfs

24.0" Round Pipe
n= 0.015 Concrete sewer w/manholes & inlets
Length= 149.3' Slope= 0.0050 '/'
Inlet Invert= 98.65', Outlet Invert= 97.91'





Summary for Reach 7R: 30"

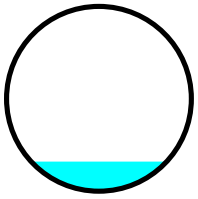
[52] Hint: Inlet/Outlet conditions not evaluated
[62] Hint: Exceeded Reach 5R OUTLET depth by 0.03' @ 6.60 hrs

Inflow Area = 20.010 ac, 60.47% Impervious, Inflow Depth = 0.21" for 85th event
Inflow = 1.38 cfs @ 10.29 hrs, Volume= 0.345 af
Outflow = 1.38 cfs @ 10.32 hrs, Volume= 0.345 af, Atten= 0%, Lag= 1.7 min

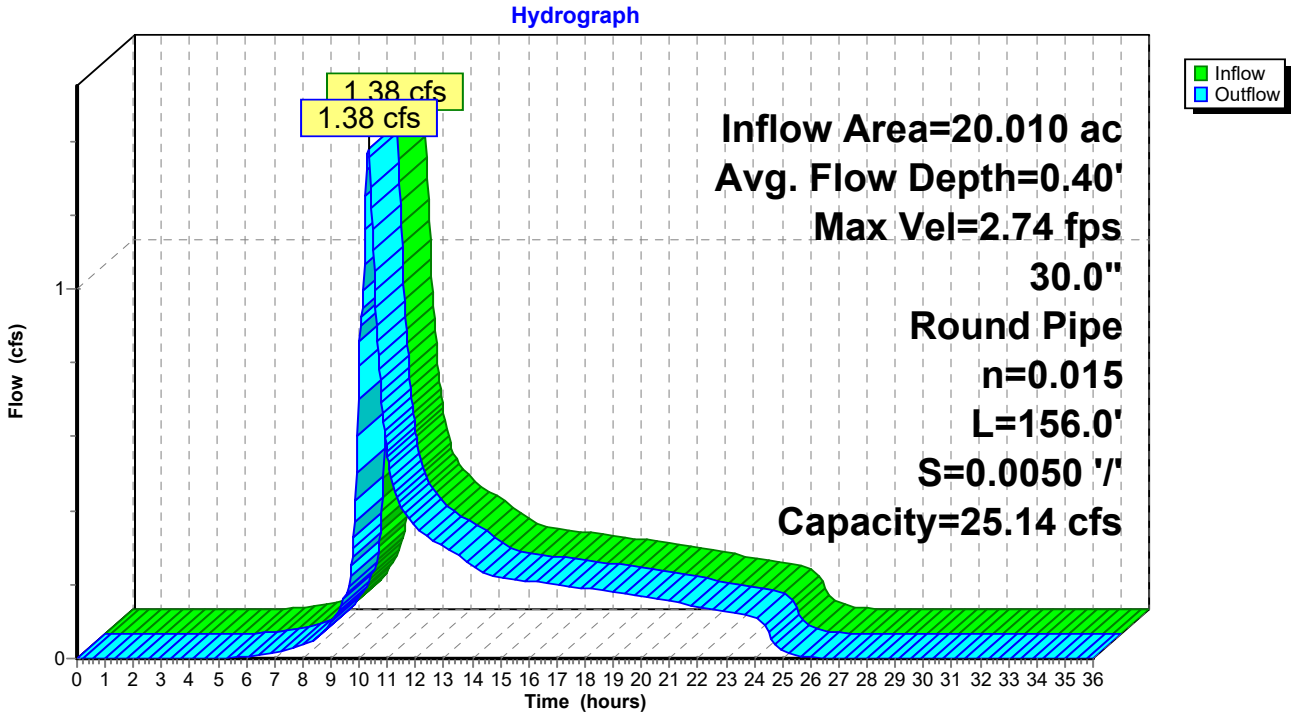
Routing by Stor-Ind+Trans method, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Max. Velocity= 2.74 fps, Min. Travel Time= 0.9 min
Avg. Velocity = 1.17 fps, Avg. Travel Time= 2.2 min

Peak Storage= 79 cf @ 10.30 hrs
Average Depth at Peak Storage= 0.40'
Bank-Full Depth= 2.50' Flow Area= 4.9 sf, Capacity= 25.14 cfs

30.0" Round Pipe
n= 0.015 Concrete sewer w/manholes & inlets
Length= 156.0' Slope= 0.0050 '/'
Inlet Invert= 96.70', Outlet Invert= 95.92'



Reach 7R: 30"


Hydrograph
1.38 cfs
1.38 cfs
Inflow Area=20.010 ac
Avg. Flow Depth=0.40'
Max Vel=2.74 fps
30.0"
Round Pipe
n=0.015
L=156.0'
S=0.0050 '/'
Capacity=25.14 cfs
Inflow
Outflow
Flow (cfs)
0
1
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
Time (hours)

Summary for Reach 8R: 24"

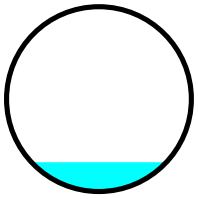
[52] Hint: Inlet/Outlet conditions not evaluated

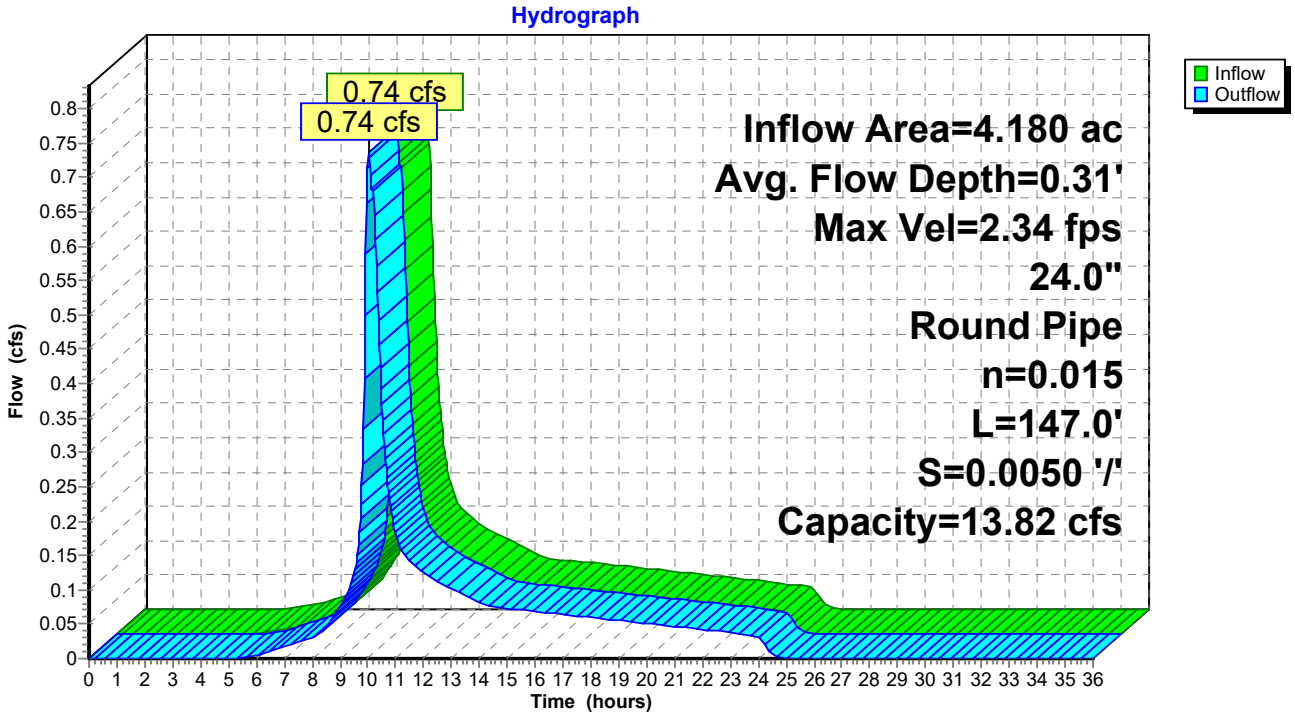
Inflow Area = 4.180 ac, 89.00% Impervious, Inflow Depth = 0.39" for 85th event
Inflow = 0.74 cfs @ 10.00 hrs, Volume= 0.134 af
Outflow = 0.74 cfs @ 10.03 hrs, Volume= 0.134 af, Atten= 1%, Lag= 1.9 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Max. Velocity= 2.34 fps, Min. Travel Time= 1.0 min
Avg. Velocity = 1.07 fps, Avg. Travel Time= 2.3 min

Peak Storage= 47 cf @ 10.01 hrs
Average Depth at Peak Storage= 0.31'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 13.82 cfs

24.0" Round Pipe
n= 0.015 Concrete sewer w/manholes & inlets
Length= 147.0' Slope= 0.0050 '/'
Inlet Invert= 98.20', Outlet Invert= 97.47'





Summary for Pond 3P: West Basin

Inflow Area = 25.450 ac, 60.79% Impervious, Inflow Depth = 0.21" for 85th event
Inflow = 1.71 cfs @ 10.04 hrs, Volume= 0.451 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min

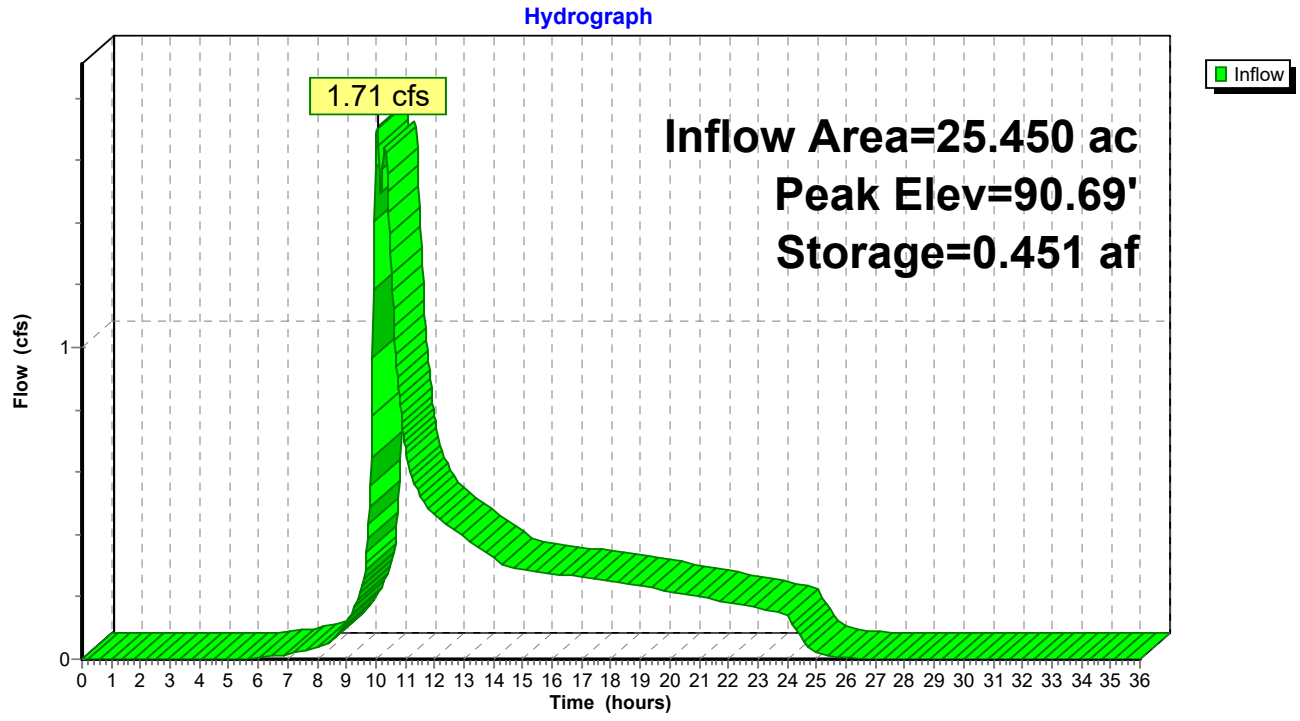
Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.03 hrs
Peak Elev= 90.69' @ 36.00 hrs Surf.Area= 0.409 ac Storage= 0.451 af

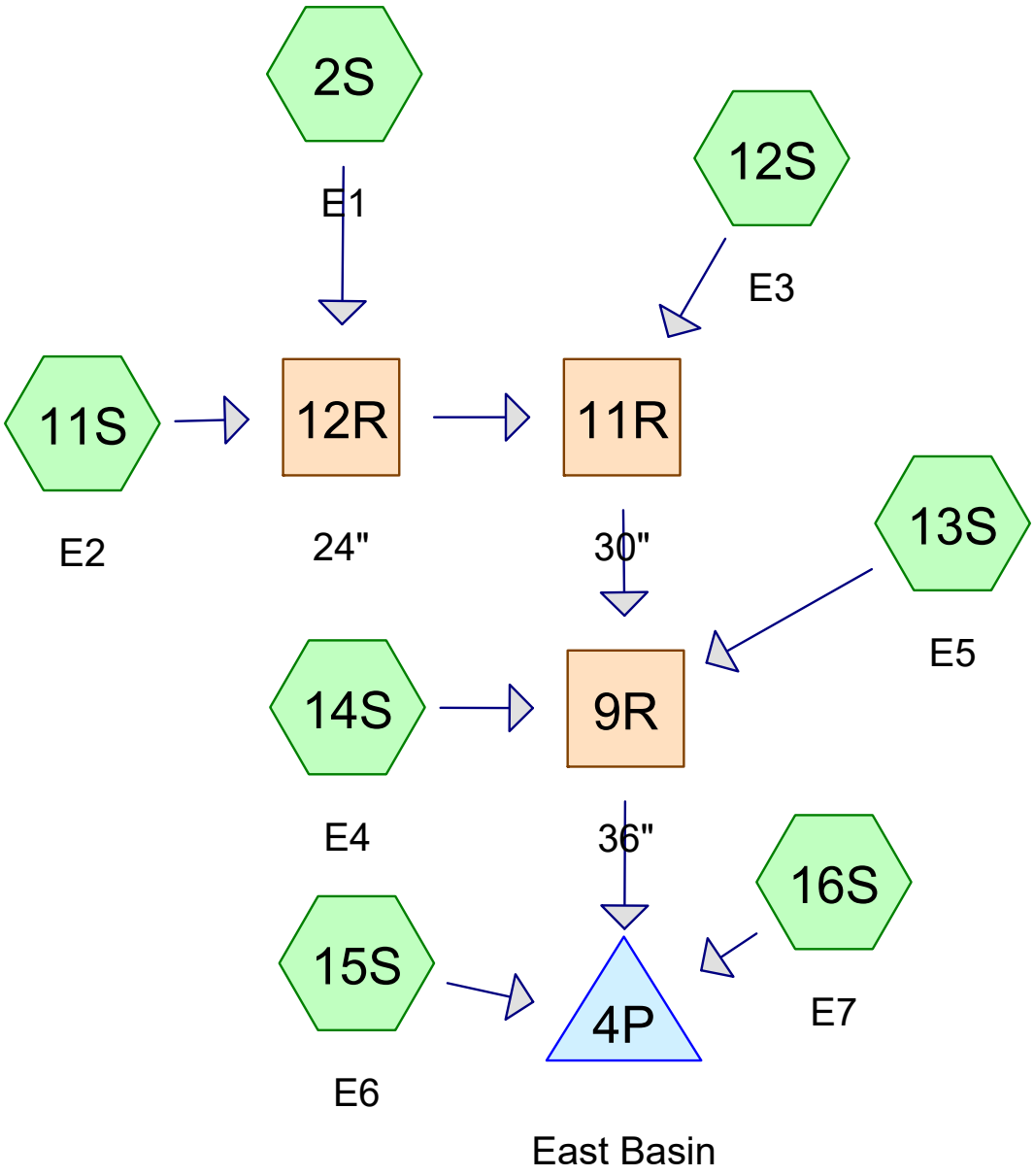
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	89.00'	4.427 af	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
89.00	0.121	0.000	0.000
90.00	0.294	0.208	0.208
91.00	0.460	0.377	0.584
92.00	0.617	0.538	1.123
93.00	0.716	0.666	1.789
94.00	0.822	0.769	2.558
95.00	0.933	0.877	3.436
96.00	1.049	0.991	4.427

Pond 3P: West Basin





Subcat Reach Pond Link

Routing Diagram for EAST post-development model 05.20.22
Prepared by NV5, Printed 5/27/2022
HydroCAD® 10.00-21 s/n 09421 © 2018 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
7.540	87	Dirt roads, HSG C (11S, 12S, 13S, 14S, 15S, 16S)
7.270	98	Unconnected pavement, HSG C (2S, 11S, 12S, 13S, 14S, 15S, 16S)
1.920	76	Woods/grass comb., Fair, HSG C (2S, 12S, 13S, 16S)
16.730	**91**	**TOTAL AREA**

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	2S	0.00	0.00	200.0	0.0050	0.015	18.0	0.0	0.0
2	11S	0.00	0.00	60.0	0.0050	0.015	18.0	0.0	0.0
3	12S	0.00	0.00	140.0	0.0050	0.015	24.0	0.0	0.0
4	14S	0.00	0.00	207.0	0.0050	0.015	18.0	0.0	0.0
5	15S	0.00	0.00	64.0	0.0050	0.015	18.0	0.0	0.0
6	9R	96.56	95.37	238.9	0.0050	0.015	36.0	0.0	0.0
7	11R	97.75	96.56	237.3	0.0050	0.015	30.0	0.0	0.0
8	12R	98.39	97.75	128.1	0.0050	0.015	24.0	0.0	0.0

Time span=5.00-40.00 hrs, dt=0.03 hrs, 1168 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: E1 Runoff Area=3.630 ac 69.97% Impervious Runoff Depth=0.14"
Flow Length=633' Tc=21.4 min CN=91 Runoff=0.17 cfs 0.043 af

Subcatchment 11S: E2 Runoff Area=1.110 ac 63.06% Impervious Runoff Depth=0.24"
Flow Length=360' Tc=15.5 min CN=94 Runoff=0.14 cfs 0.022 af

Subcatchment 12S: E3 Runoff Area=4.120 ac 12.62% Impervious Runoff Depth=0.07"
Flow Length=607' Tc=19.3 min CN=87 Runoff=0.03 cfs 0.023 af

Subcatchment 13S: E5 Runoff Area=2.170 ac 17.97% Impervious Runoff Depth=0.07"
Flow Length=320' Slope=0.0125 '/' Tc=15.0 min UI Adjusted CN=87 Runoff=0.01 cfs 0.012 af

Subcatchment 14S: E4 Runoff Area=1.500 ac 61.33% Impervious Runoff Depth=0.24"
Flow Length=450' Slope=0.0050 '/' Tc=14.9 min CN=94 Runoff=0.20 cfs 0.029 af

Subcatchment 15S: E6 Runoff Area=2.430 ac 90.12% Impervious Runoff Depth>0.39"
Flow Length=518' Tc=10.0 min CN=97 Runoff=0.69 cfs 0.078 af

Subcatchment 16S: E7 Runoff Area=1.770 ac 0.56% Impervious Runoff Depth=0.04"
Flow Length=104' Slope=0.0190 '/' Tc=12.9 min CN=85 Runoff=0.01 cfs 0.006 af

Reach 9R: 36" Avg. Flow Depth=0.22' Max Vel=1.91 fps Inflow=0.45 cfs 0.129 af
36.0" Round Pipe n=0.015 L=238.9' S=0.0050 '/' Capacity=40.80 cfs Outflow=0.45 cfs 0.129 af

Reach 11R: 30" Avg. Flow Depth=0.19' Max Vel=1.75 fps Inflow=0.31 cfs 0.088 af
30.0" Round Pipe n=0.015 L=237.3' S=0.0050 '/' Capacity=25.17 cfs Outflow=0.31 cfs 0.088 af

Reach 12R: 24" Avg. Flow Depth=0.20' Max Vel=1.79 fps Inflow=0.30 cfs 0.065 af
24.0" Round Pipe n=0.015 L=128.1' S=0.0050 '/' Capacity=13.86 cfs Outflow=0.30 cfs 0.065 af

Pond 4P: East Basin Peak Elev=89.49' Storage=0.213 af Inflow=0.87 cfs 0.213 af
Outflow=0.00 cfs 0.000 af

Total Runoff Area = 16.730 ac Runoff Volume = 0.213 af Average Runoff Depth = 0.15"
56.55% Pervious = 9.460 ac 43.45% Impervious = 7.270 ac

Summary for Subcatchment 2S: E1

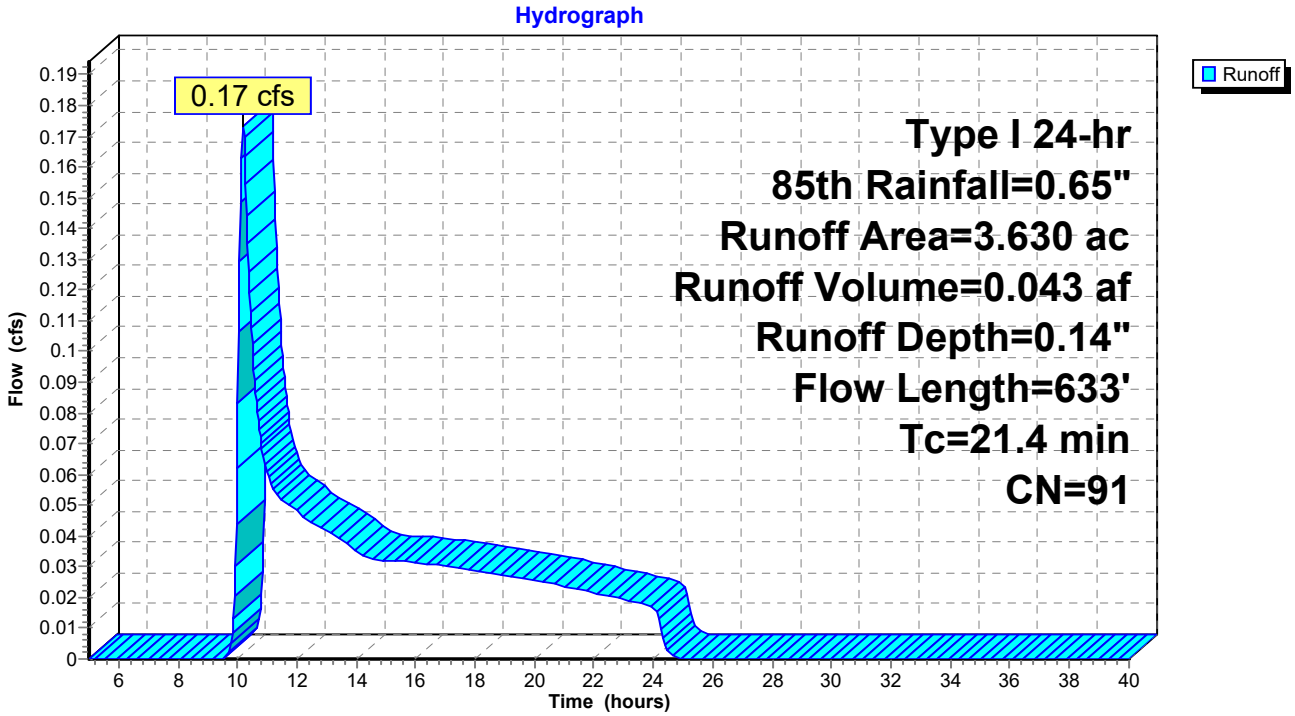
Runoff = 0.17 cfs @ 10.19 hrs, Volume= 0.043 af, Depth= 0.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
2.540	98	Unconnected pavement, HSG C
1.090	76	Woods/grass comb., Fair, HSG C
3.630	91	Weighted Average
1.090		30.03% Pervious Area
2.540		69.97% Impervious Area
2.540		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.0	300	0.0067	0.26		**Sheet Flow,** Fallow n= 0.050 P2= 2.05"
1.5	133	0.0050	1.44		**Shallow Concentrated Flow,** Paved Kv= 20.3 fps
0.9	200	0.0050	3.64	6.44	**Pipe Channel, RCP_Round 18"** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
21.4	633	Total			

Subcatchment 2S: E1



Summary for Subcatchment 11S: E2

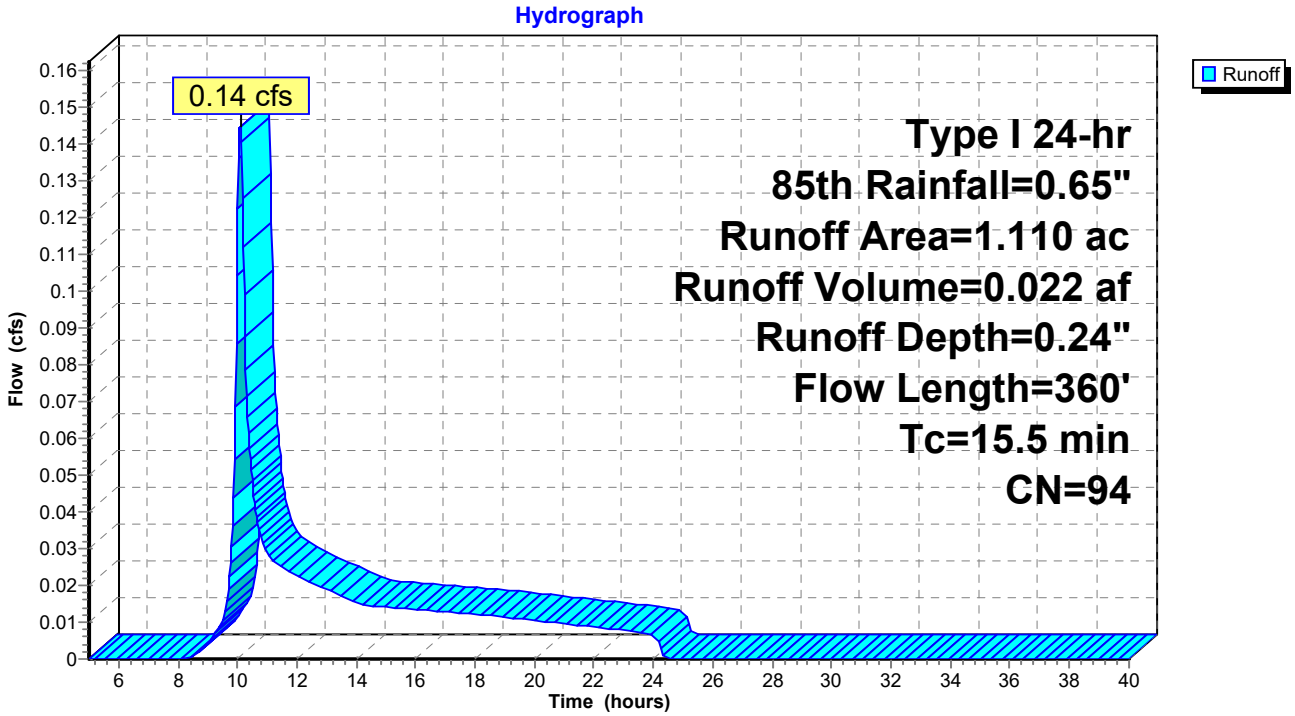
Runoff = 0.14 cfs @ 10.08 hrs, Volume= 0.022 af, Depth= 0.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
0.700	98	Unconnected pavement, HSG C
0.410	87	Dirt roads, HSG C
1.110	94	Weighted Average
0.410		36.94% Pervious Area
0.700		63.06% Impervious Area
0.700		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	140	0.0060	0.73		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"
12.0	160	0.0060	0.22		**Sheet Flow,** Fallow n= 0.050 P2= 2.05"
0.3	60	0.0050	3.64	6.44	**Pipe Channel, RCP_Round 18"** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
15.5	360	Total			

Subcatchment 11S: E2



Summary for Subcatchment 12S: E3

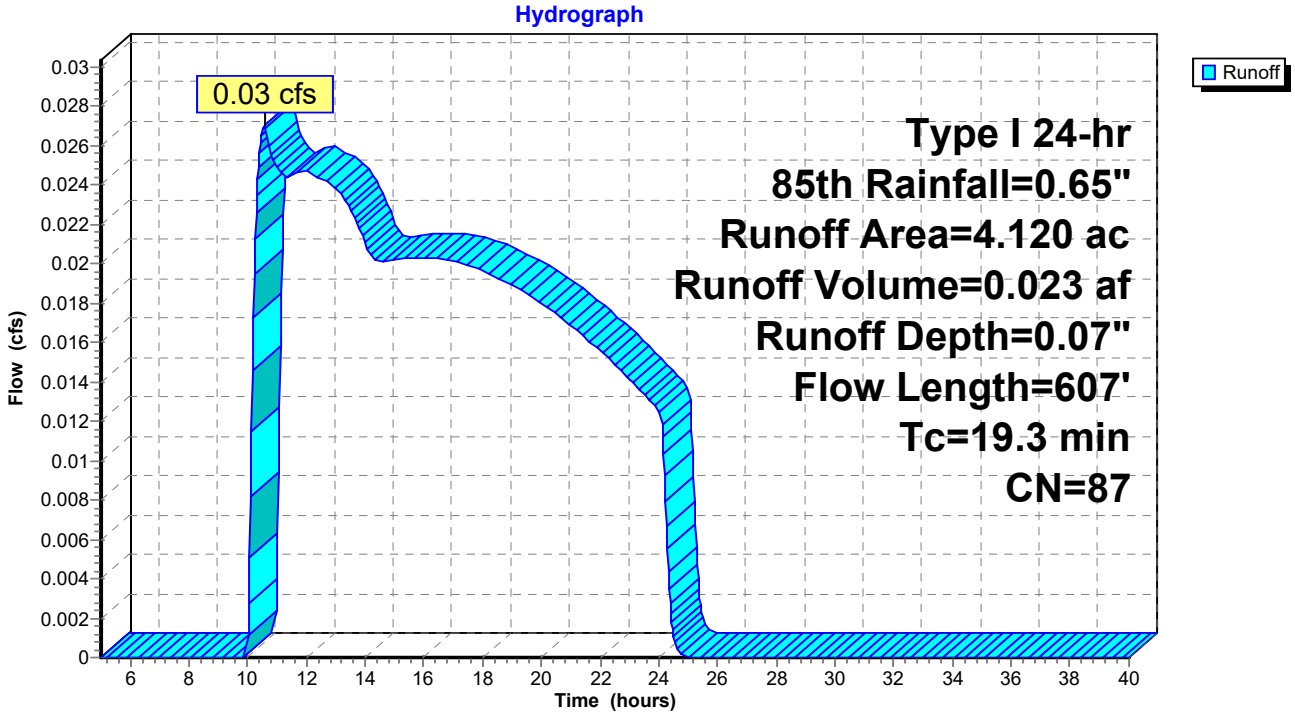
Runoff = 0.03 cfs @ 10.55 hrs, Volume= 0.023 af, Depth= 0.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
0.520	98	Unconnected pavement, HSG C
3.250	87	Dirt roads, HSG C
0.350	76	Woods/grass comb., Fair, HSG C
4.120	87	Weighted Average
3.600		87.38% Pervious Area
0.520		12.62% Impervious Area
0.520		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.4	300	0.0083	0.29		**Sheet Flow,** Fallow n= 0.050 P2= 2.05"
1.4	167	0.0150	1.97		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
0.5	140	0.0050	4.41	13.86	**Pipe Channel, RCP_Round 24"** 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.015 Concrete sewer w/manholes & inlets
19.3	607	Total			

Subcatchment 12S: E3



Summary for Subcatchment 13S: E5

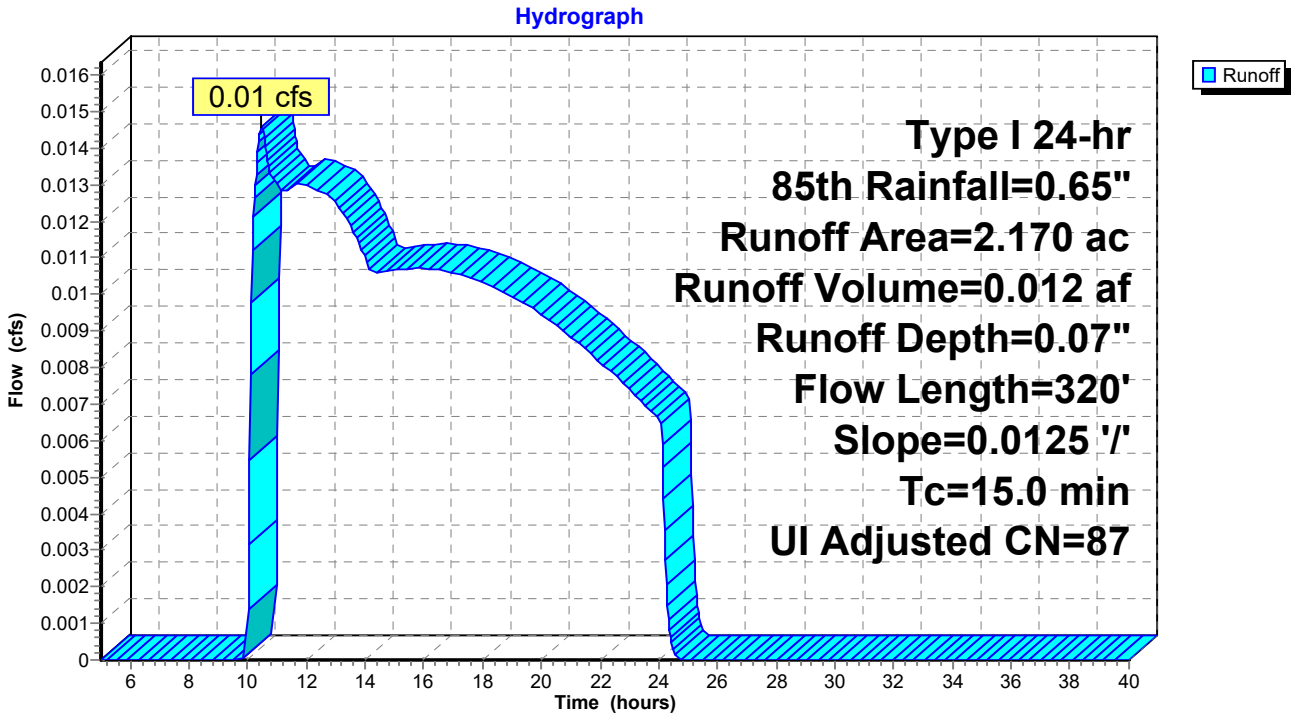
Runoff = 0.01 cfs @ 10.48 hrs, Volume= 0.012 af, Depth= 0.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Adj	Description
0.390	98		Unconnected pavement, HSG C
1.580	87		Dirt roads, HSG C
0.200	76		Woods/grass comb., Fair, HSG C
2.170	88	87	Weighted Average, UI Adjusted
1.780			82.03% Pervious Area
0.390			17.97% Impervious Area
0.390			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.8	300	0.0125	0.34		**Sheet Flow,** Fallow n= 0.050 P2= 2.05"
0.2	20	0.0125	1.80		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
15.0	320	Total			

Subcatchment 13S: E5



Summary for Subcatchment 14S: E4

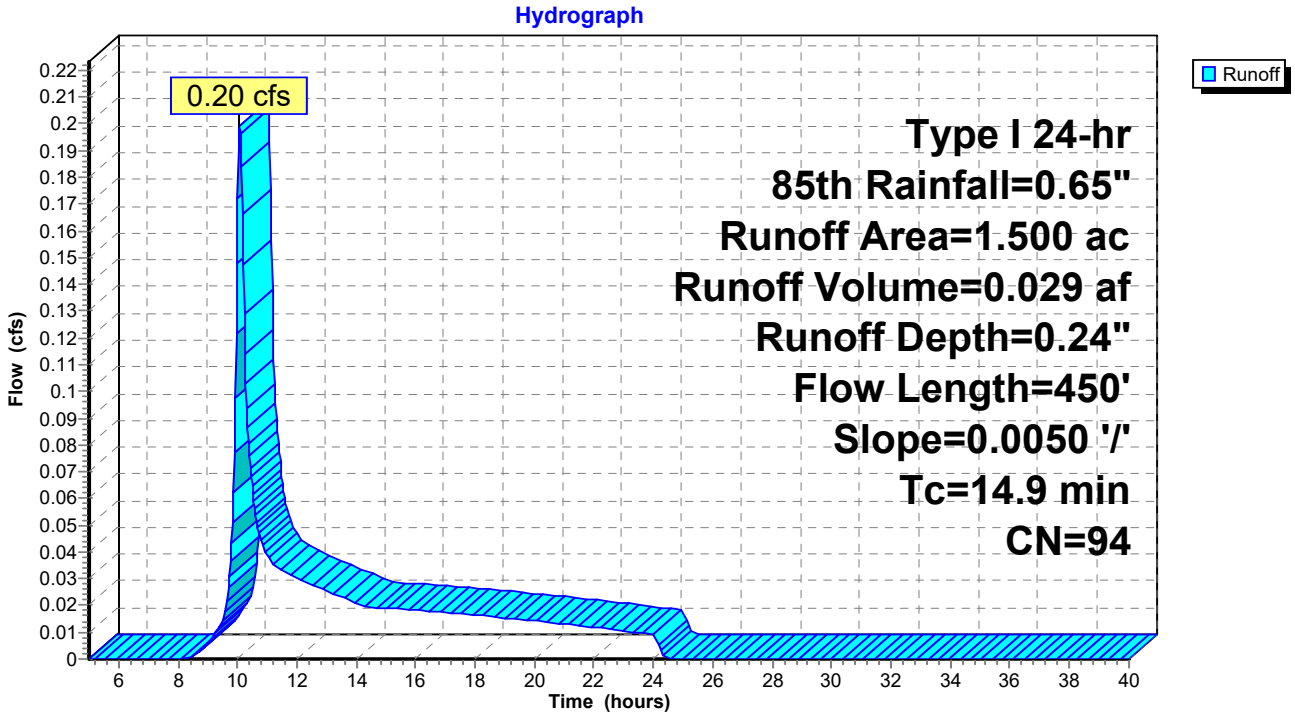
Runoff = 0.20 cfs @ 10.08 hrs, Volume= 0.029 af, Depth= 0.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
0.920	98	Unconnected pavement, HSG C
0.580	87	Dirt roads, HSG C
1.500	94	Weighted Average
0.580		38.67% Pervious Area
0.920		61.33% Impervious Area
0.920		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8	109	0.0050	0.64		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"
11.2	134	0.0050	0.20		**Sheet Flow,** Fallow n= 0.050 P2= 2.05"
0.9	207	0.0050	3.64	6.44	**Pipe Channel, RCP_Round 18"** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
14.9	450	Total			

Subcatchment 14S: E4



Summary for Subcatchment 15S: E6

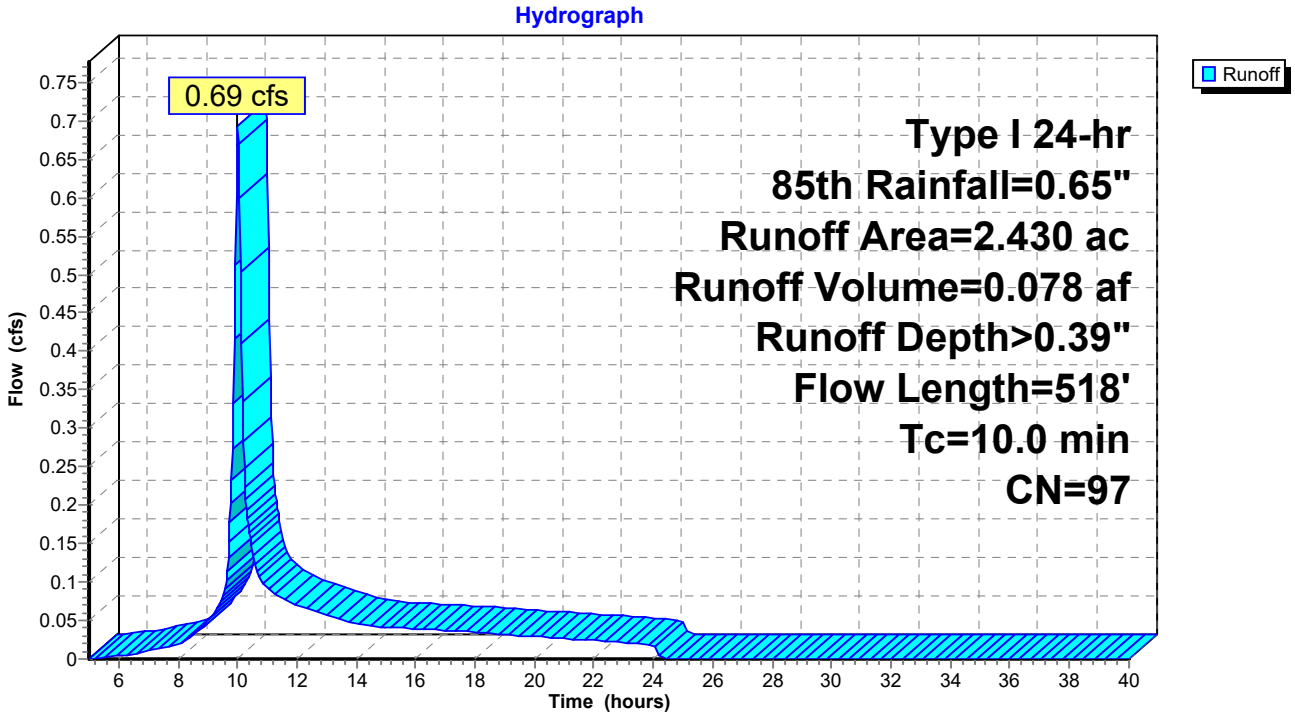
Runoff = 0.69 cfs @ 10.01 hrs, Volume= 0.078 af, Depth> 0.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
2.190	98	Unconnected pavement, HSG C
0.240	87	Dirt roads, HSG C
2.430	97	Weighted Average
0.240		9.88% Pervious Area
2.190		90.12% Impervious Area
2.190		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	300	0.0033	0.67		**Sheet Flow,** Smooth surfaces n= 0.011 P2= 2.05"
2.2	154	0.0033	1.17		**Shallow Concentrated Flow,** Paved Kv= 20.3 fps
0.3	64	0.0050	3.64	6.44	**Pipe Channel, RCP_Round 18"** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.015 Concrete sewer w/manholes & inlets
10.0	518	Total			

Subcatchment 15S: E6



Summary for Subcatchment 16S: E7

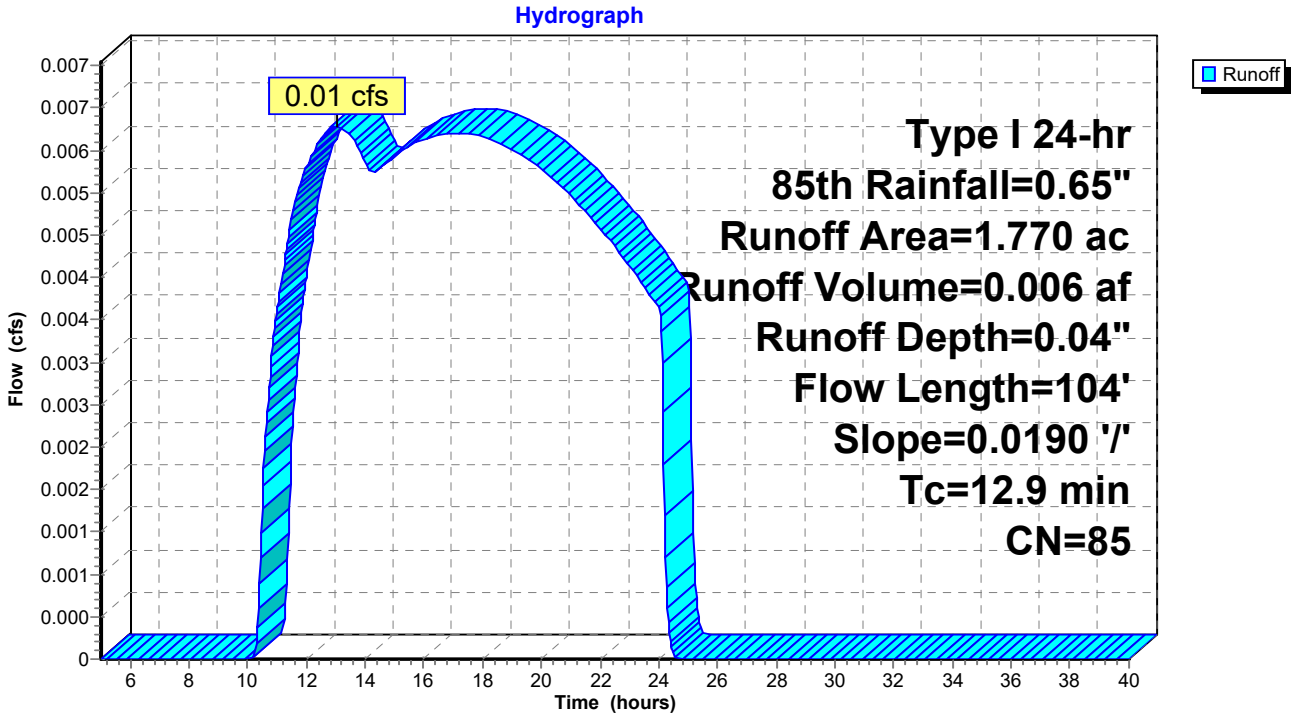
Runoff = 0.01 cfs @ 13.03 hrs, Volume= 0.006 af, Depth= 0.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Type I 24-hr 85th Rainfall=0.65"

Area (ac)	CN	Description
0.010	98	Unconnected pavement, HSG C
1.480	87	Dirt roads, HSG C
0.280	76	Woods/grass comb., Fair, HSG C
1.770	85	Weighted Average
1.760		99.44% Pervious Area
0.010		0.56% Impervious Area
0.010		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9	104	0.0190	0.13		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.05"

Subcatchment 16S: E7



Summary for Reach 9R: 36"

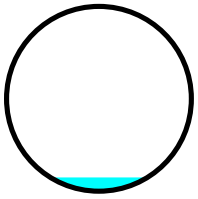
[52] Hint: Inlet/Outlet conditions not evaluated
[62] Hint: Exceeded Reach 11R OUTLET depth by 0.03' @ 9.98 hrs

Inflow Area = 12.530 ac, 40.46% Impervious, Inflow Depth = 0.12" for 85th event
Inflow = 0.45 cfs @ 10.20 hrs, Volume= 0.129 af
Outflow = 0.45 cfs @ 10.26 hrs, Volume= 0.129 af, Atten= 1%, Lag= 3.7 min

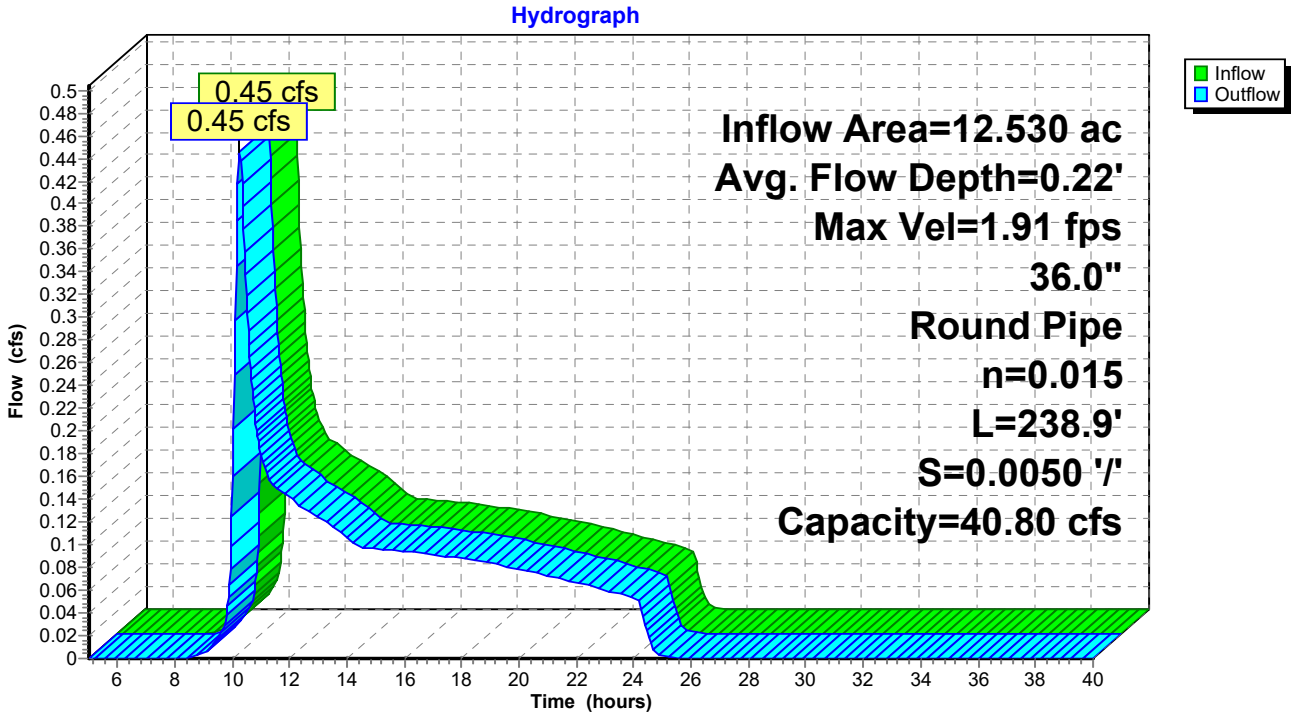
Routing by Stor-Ind+Trans method, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Max. Velocity= 1.91 fps, Min. Travel Time= 2.1 min
Avg. Velocity = 1.11 fps, Avg. Travel Time= 3.6 min

Peak Storage= 56 cf @ 10.22 hrs
Average Depth at Peak Storage= 0.22'
Bank-Full Depth= 3.00' Flow Area= 7.1 sf, Capacity= 40.80 cfs

36.0" Round Pipe
n= 0.015 Concrete sewer w/manholes & inlets
Length= 238.9' Slope= 0.0050 '/'
Inlet Invert= 96.56', Outlet Invert= 95.37'



Reach 9R: 36"


Hydrograph
Inflow
Outflow
0.45 cfs
0.45 cfs
Inflow Area=12.530 ac
Avg. Flow Depth=0.22'
Max Vel=1.91 fps
36.0"
Round Pipe
n=0.015
L=238.9'
S=0.0050 '/'
Capacity=40.80 cfs
Flow (cfs)
Time (hours)

Summary for Reach 11R: 30"

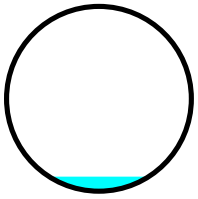
[52] Hint: Inlet/Outlet conditions not evaluated
[62] Hint: Exceeded Reach 12R OUTLET depth by 0.01' @ 24.38 hrs

Inflow Area = 8.860 ac, 42.44% Impervious, Inflow Depth = 0.12" for 85th event
Inflow = 0.31 cfs @ 10.18 hrs, Volume= 0.088 af
Outflow = 0.31 cfs @ 10.25 hrs, Volume= 0.088 af, Atten= 2%, Lag= 4.1 min

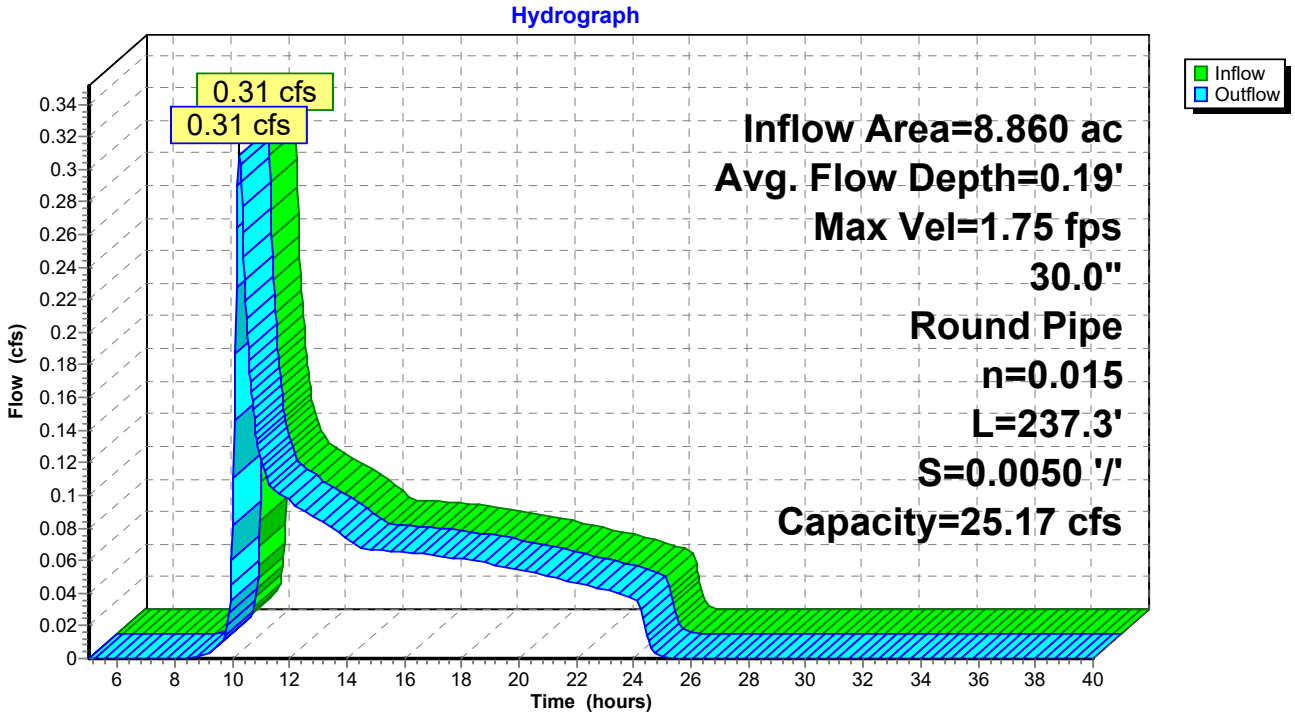
Routing by Stor-Ind+Trans method, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Max. Velocity= 1.75 fps, Min. Travel Time= 2.3 min
Avg. Velocity = 1.02 fps, Avg. Travel Time= 3.9 min

Peak Storage= 42 cf @ 10.21 hrs
Average Depth at Peak Storage= 0.19'
Bank-Full Depth= 2.50' Flow Area= 4.9 sf, Capacity= 25.17 cfs

30.0" Round Pipe
n= 0.015 Concrete sewer w/manholes & inlets
Length= 237.3' Slope= 0.0050 '/'
Inlet Invert= 97.75', Outlet Invert= 96.56'



Reach 11R: 30"


Hydrograph
0.31 cfs
0.31 cfs
Inflow Area=8.860 ac
Avg. Flow Depth=0.19'
Max Vel=1.75 fps
30.0"
Round Pipe
n=0.015
L=237.3'
S=0.0050 '/'
Capacity=25.17 cfs
Inflow
Outflow
Flow (cfs)
Time (hours)

Summary for Reach 12R: 24"

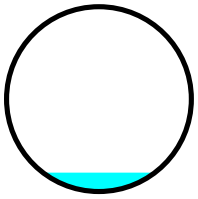
[52] Hint: Inlet/Outlet conditions not evaluated

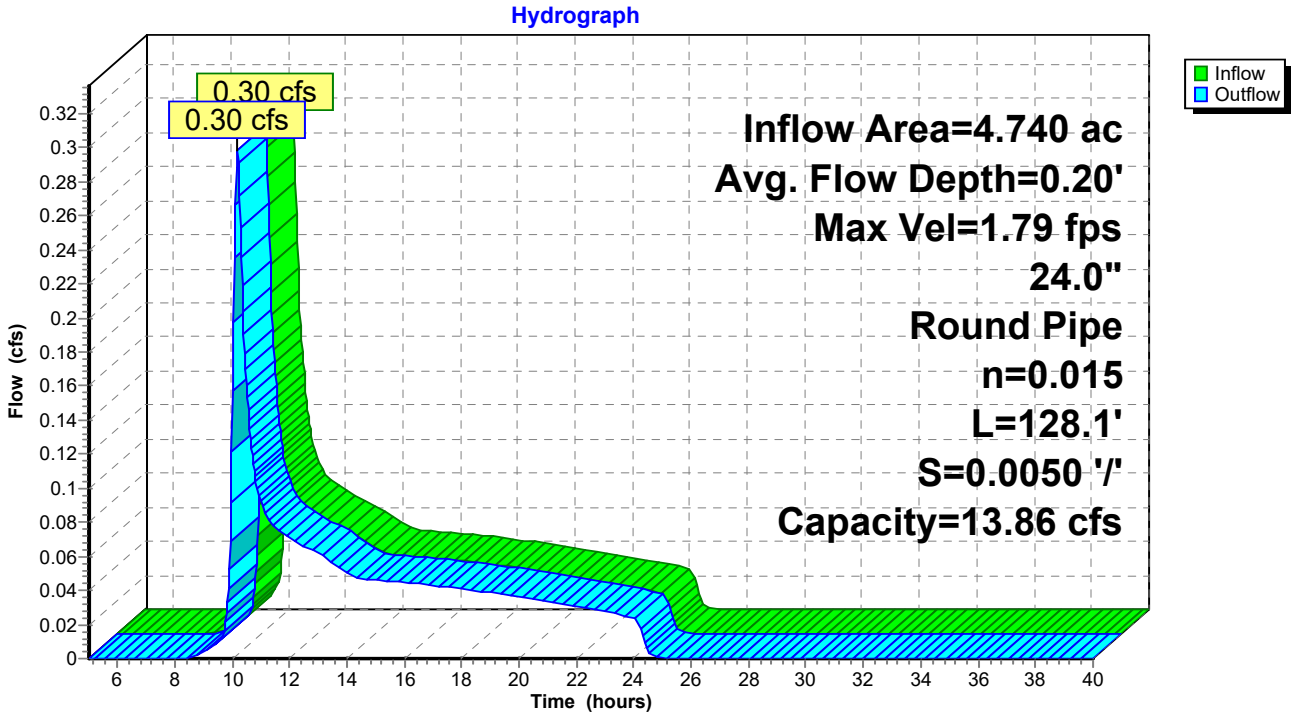
Inflow Area = 4.740 ac, 68.35% Impervious, Inflow Depth = 0.16" for 85th event
Inflow = 0.30 cfs @ 10.14 hrs, Volume= 0.065 af
Outflow = 0.30 cfs @ 10.17 hrs, Volume= 0.065 af, Atten= 1%, Lag= 2.1 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Max. Velocity= 1.79 fps, Min. Travel Time= 1.2 min
Avg. Velocity = 0.95 fps, Avg. Travel Time= 2.2 min

Peak Storage= 21 cf @ 10.15 hrs
Average Depth at Peak Storage= 0.20'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 13.86 cfs

24.0" Round Pipe
n= 0.015 Concrete sewer w/manholes & inlets
Length= 128.1' Slope= 0.0050 '/'
Inlet Invert= 98.39', Outlet Invert= 97.75'





Summary for Pond 4P: East Basin

Inflow Area = 16.730 ac, 43.45% Impervious, Inflow Depth > 0.15" for 85th event
Inflow = 0.87 cfs @ 10.04 hrs, Volume= 0.213 af
Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min

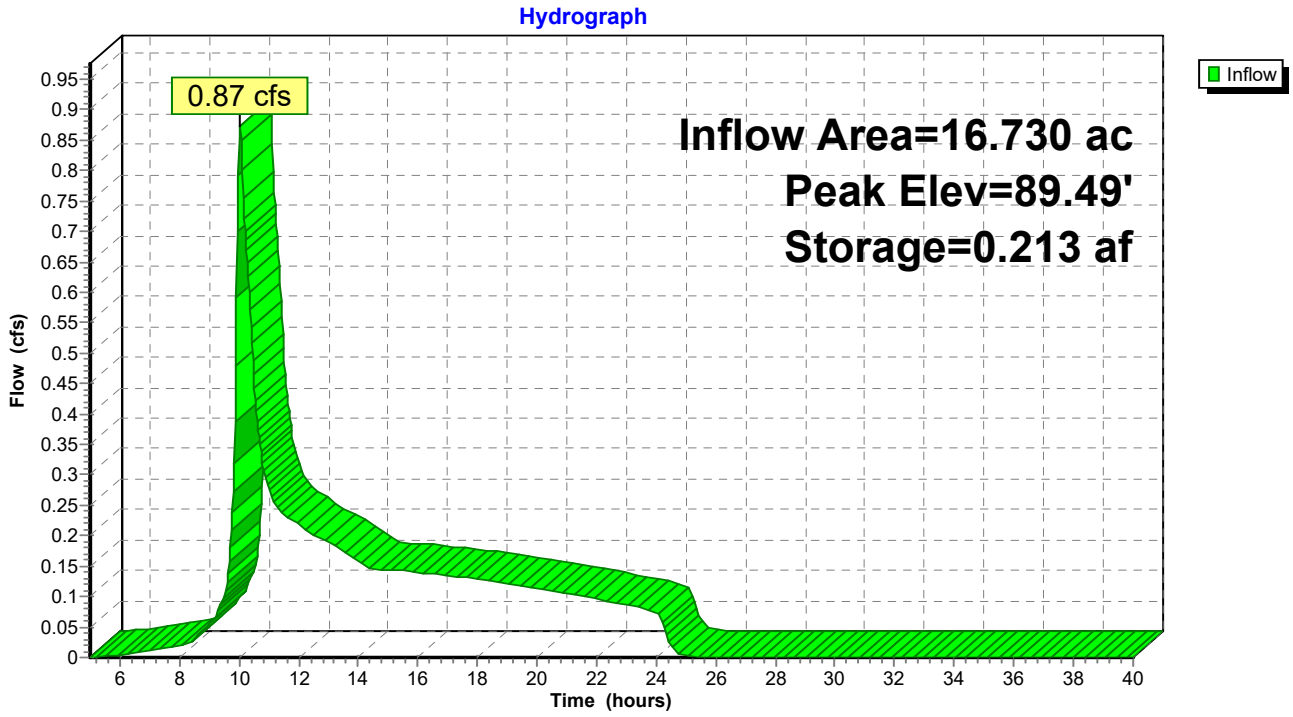
Routing by Stor-Ind method, Time Span= 5.00-40.01 hrs, dt= 0.03 hrs
Peak Elev= 89.49' @ 28.64 hrs Surf.Area= 0.282 ac Storage= 0.213 af

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	88.00'	4.831 af	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
88.00	0.001	0.000	0.000
89.00	0.192	0.096	0.096
90.00	0.374	0.283	0.379
91.00	0.494	0.434	0.813
92.00	0.556	0.525	1.338
93.00	0.610	0.583	1.921
94.00	0.666	0.638	2.559
95.00	0.726	0.696	3.255
96.00	0.787	0.756	4.012
97.00	0.851	0.819	4.831

Pond 4P: East Basin





NV5

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APPENDIX H – TRIP GENERATION MEMORANDUM

October 4, 2022

Ryan Fowler
City of Menifee
Community Development Department
29844 Haun Road
Menifee, CA 92586

Subject: ***Trip Generation Memorandum for the Proposed Nova Power Battery Energy Storage System Facility Project in the City of Menifee***

Dear Mr. Fowler:

Kimley-Horn and Associates, Inc. has prepared a trip generation memorandum to evaluate trip generating characteristics and a qualitative Vehicle Miles Traveled (VMT) assessment of the proposed Nova Power Battery Energy Storage System Facility project (the "Project").

PROJECT DESCRIPTION

The Project site is located southeast of the intersection of Ethanac Road and Antelope Road, in the City of Menifee, County of Riverside. The Project site consists of a 42.52-acre parcel of developed land with existing on-site infrastructure. The Applicant proposes the re-development of the Inland Empire Energy Center (IEEC) generation plant, which includes the demolition of select existing infrastructure and the construction of a battery energy storage system (BESS), using lithium-ion batteries to store electrical energy from the grid to be discharged later when customer demand is high, and other appurtenant infrastructure. The Project site total area is approximately 1,880,485 square feet (SF). Refer to **Figure 1, Conceptual Site Plan** and **Table 1, Site Data Summary**.

Table 1, Site Data Summary

	AREA (SF)	PERCENTAGE (%)
Total Site Area	**1,880,485**	**100**
Total Building Area	**369,151**	**19.7**
Admin/Maintenance Building	*14,215*	*0.8*
Water Treatment Building	*11,074*	*0.6*
Water Tank	*145*	*0.01*
BESS Equipment	*323,030*	*17.2*
GSU & Switchgear	*19,383*	*1.0*
Control Enclosures	*1,214*	*0.1*
Accessory Use/Storage	*90*	*0.01*
Paved Area	**190,162**	**10.1**
Parking	*17,495*	*0.9*
Access Drives	*172,667*	*9.2*
Yard Area	**917,945**	**48.8**
Gravel	*917,945*	*48.8*
Landscaped Area	**403,227**	**21.4**
Landscaping (including ponds)	*403,227*	*21.4*

As shown in **Table 1**, the Project would have a total site area of 1,880,485 SF, of which approximately 323,030 SF designated for BESS uses and 14,215 SF would be utilized for administrative and maintenance purposes, where employees would be located during normal operational use. As such, for the purposes of this Trip Generation Memo, the administrative and maintenance building square footage would be used for calculating traffic impacts.

VEHICLE MILES TRAVELED AND LEVEL OF SERVICE

SB 743 was approved by the California legislature in September 2013. SB 743 required changes to the California Environmental Quality Act (CEQA), specifically directing the Governor's Office of Planning and Research (OPR) to develop alternative metrics to the use of vehicular "Level of Service" (LOS) for evaluating transportation projects. OPR has updated guidelines for CEQA and written a technical advisory for evaluating transportation impacts in CEQA and set a deadline of July 2020. OPR has recommended that Vehicle Miles Traveled (VMT) replace also as the primary measure of transportation impacts. OPR Technical Advisory suggests that the City may screen out VMT impact using project size, maps, transit availability, and provision of affordable housing to quickly identify when a project should be expected to cause a less-than significant impact without conducting a detailed study. The City of Menifee has published Transportation Impact Analysis Guidelines for Vehicle Miles Traveled (June 2020) and Level of Service Assessment (October 2020) as recommended guidelines for analyzing transportation impacts of proposed development projects.

Per the City of Menifee LOS Traffic Study Guidelines (October 2020), project-related effects shall be clearly identified as direct or cumulative in the traffic study report. Only feasible improvements shall be recommended in the traffic study report. Analysis of the recommended improvements shall be provided to demonstrate the proposed improvement will reduce the project effect to meet LOS standards.

PROJECT TRAFFIC

A qualitative LOS assessment and VMT assessment were conducted based on guidance by OPR and the City of Menifee local guidelines for implementing CEQA. The City of Menifee utilizes LOS and VMT screening for projects that have a less than significant impact. The City of Menifee's guidelines indicate that projects generating less than 110 daily vehicle trips generally will not require a TIA that includes VMT and projects that generate 50 or less peak hour trips generally will not require TIA that includes LOS analysis.

A trip generation analysis has been performed to determine the net amount of traffic that this Project will generate post-construction. Trip generation estimates for the proposed Project are based on the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition, 2022, trip generation rates for the following land use: ITE Land Use 110 – General Light Industrial. Daily and evening peak hour trip generation estimates are summarized on **Table 2**. The Project currently anticipates a maximum of three employees during the day and two employees during the night to be present on site during normal operations. For the purposes of this Memo, five employees are assumed for calculations. To provide for a more conservative (higher) estimation, all numbers have been rounded up to the nearest whole number.

Table 2, Summary of Project Trip Generation

Land Use	ITE Code	Unit	Trip Generation Rates[1]						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
General Light Industrial	110	Employees	3.10	0.59	0.10	0.69	0.21	0.48	0.69
Land Use	**ITE Code**	**Unit**	**Trip Generation Estimates**						
			Daily	**AM Peak Hour**			**PM Peak Hour**		
				In	**Out**	**Total**	**In**	**Out**	**Total**
Total Project Trips		Employees	16	3	1	4	1	3	4
[1] Source: Institute of Transportation Engineers (ITE) Trip Generation Manual 11th Edition.									

The Project would generate 16 daily trips to and from the Project site with 4 trips in the AM and PM peak hours each. The Project would generate fewer than 100 daily trips and would not produce 50 or more trips during the peak hours.

Conclusion

Per the City of Menifee has published Transportation Impact Analysis Guidelines for Vehicle Miles Traveled (June 2020) and Level of Service Assessment (October 2020), projects that generate or add fewer than 110 daily vehicle trips do not require a VMT analysis and the VMT impact is considered less than significant, and projects that generate less than 50 peak hour trips do not affect LOS significantly. As such, the Project impacts related to transportation would be less than significant.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.



Pranesh Tarikere, P.E.

Kimley»Horn

FIGURE 1: CONCEPTUAL SITE PLAN

