INITIAL STUDY

BEAUMONT ENERGY STORAGE PROJECT

CITY OF BEAUMONT

RIVERSIDE COUNTY, CALIFORNIA

BEAUMONT
CALIFORNIA
A CITY ELEVATED

Statement of Reasons for Exemption from Additional Environmental Review and 15183 Checklist for the Beaumont Energy Storage Project

Pursuant to CEQA Guidelines Section 15183

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AQMP	Air Quality Management Plan
BANL	Base Ambient Noise Level
BCVRPD	Beaumont-Cherry Valley Recreation and Park District
BCVWD	Beaumont-Cherry Valley Water District
BESS	Battery Energy Storage System
BLD	Beaumont Library District
BMP	Best Management Practice
BPD	Beaumont Police Department
BSU	Battery Step Up Transformer
BUSD	Beaumont Unified School District
CBC	California Building Code
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFD	Community Facilities Districts
CGP	Construction General Permit
CNPS	California Native Plant Society
CRPR	California Rare Plant Rank
CWCP	California Wetlands Conservation Policy
DEH	Department of Environmental Health
DOC	California Department of Conservation
EIR	Environmental Impact Report
ESA	Environmental Assessment Report
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
GHG	greenhouse gas
GP	General Plan Update
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GSU	Generator Step Up Transformer
HCP	Habitat Conservation Plan
LHMP	Local Hazard Mitigation Plan
MBTA	Migratory Bird Treaty Act
MLD	Most Likely Descendant
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MSHCP	Riverside County Multiple Species Habitat Conservation Plan
MW	megawatt
MWh	megawatt-hour
NEPSSA	Narrow Endemic Plant Species Area
NPDES	National Pollutant Discharge Elimination System
PDC	Power Distribution Center
PDF	Project Design Feature

Acronym/Abbreviation	Definition
PPV	peak particle velocity
RCFD	Riverside County Fire Department
RPS	Renewables Portfolio Standard
RWQCB	Regional Water Quality Control Board
SCE	Southern California Edison
SGMA	Sustainable Groundwater Management Act
SR	State Route
SRA	State Responsibility Area
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
TCR	tribal cultural resource
USACE	U.S. Army Corps of Engineers
UWMP	Urban Water Management Plan
VHFHSZ	Very High Fire Hazard Severity Zones
VMT	vehicle miles traveled
WDR	Waste Discharge Requirements
WECS	wind energy conversion systems
WM	Waste Management
WQMP	Water Quality Management Plan

1 Introduction

1.1 Project Overview

The Beaumont Energy Storage Project (Project) is a 100-megawatt (MW)/400 megawatt-hour (MWh) lithium-ion stationary battery energy storage project located in the City of Beaumont (City), California, being developed by Beaumont ESS, LLC. The Project's batteries will be installed in racks that are housed in outdoor Battery Energy Storage System (BESS) enclosures that will be accessed from the outside via metal cabinet doors for maintenance needs.

The Project will be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures. It is expected that between two to four staff members will visit the site bi-weekly and as needed for maintenance and monitoring. The site will be fully enclosed and will not be open to the public. One on-site parking space is provided. In addition, parking will be permitted on one side of the Project's 30-foot-wide drive aisle.

The Project site is located at 248 Veile Avenue, Beaumont, California 92223 (Figure 1). The site encompasses approximately 7 acres of vacant, previously disturbed property designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing) (please refer to Figures 2, 3, and 4). The Project is surrounded on the north, south and west by commercial and industrial uses, including the SCE Maraschino substation and a recycling facility and auto-wrecking yard (currently operated as Diamond Hills Recycling and M&M Auto Wrecking Yard), and is consistent with the uses, aesthetic, and scale surrounding the Project site. There are low density residential uses along the eastern boundary. The preliminary site plan for the proposed Project is shown in Figure 5, and proposed elevations are depicted in Figure 6.

Battery storage is predominantly used to store energy produced from renewable energy generation sources during low demand times for release during higher demand times, for example, to store solar energy during the daytime and to release it during the evening when the demand for energy goes up but the ability to generate solar energy goes down because the sun has set. Battery storage is not needed to store energy from conventional fuel sources such as natural gas because natural gas is a combustible fuel that can produce energy on demand without requiring another form of storage. Therefore, battery storage is used to facilitate integration of renewable energy sources into the electrical grid.

The Project will provide essential regional and local grid reliability, help to meet California's zero carbon future (California Executive Order B-55-18) by complimenting renewable energy generation, and help to reduce the likelihood of local outages. Recent heat waves and fires in the State of California have exposed the State's shortage of resilient and reliable energy services. The State has identified a need of an additional 7,000 MW of energy services through a combination of renewable energy generation and energy storage by 2025. Battery storage is requisite to meeting the State's energy needs by providing an economic, clean, and "green" replacement to gas-fired power plants that that generally run when there is a high demand for electricity.

In addition, battery storage provides essential grid resiliency for the local network. The Project will help to prevent wild-fire and high wind related public safety power outages from impacting the City of Beaumont and the surrounding region by providing local, safe, and reliable energy storage services. With the rising cost of electricity, battery storage will help to offset cost increases by storing cheap energy when demands are low and delivering energy to the grid when demand and prices are high.

1.2 California Environmental Quality Act Compliance

California Public Resources Code section 21083.3 and California Environmental Quality Act (CEQA) Guidelines Section 15183 provide an exemption from additional environmental review for projects that are consistent with the development density established by existing zoning, community plan or general plan policies for which an Environmental Impact Report (EIR) was certified, except as might be necessary to examine whether there are project-specific significant effects which are peculiar to the project or its site. Section 15183 specifies that examination of environmental effects shall be limited to those effects that: (1) Are peculiar to the project or the parcel on which the project would be located, and were not analyzed as significant effects in a prior EIR on the zoning action, general plan, or community plan, with which the project is consistent, (2) Are potentially significant off-site impacts and cumulative impacts which were not discussed in the prior EIR prepared for the general plan, community plan or zoning action, or (3) Are previously identified significant effects which, as a result of substantial new information which was not known at the time the EIR was certified, are determined to have a more severe adverse impact than discussed in the prior EIR. Section 15183(c) further specifies that if an impact is not peculiar to the parcel or to the proposed project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards, then an additional EIR need not be prepared for that project solely on the basis of that impact.

The Project is consistent with the analysis performed for the City's General Plan 2040 Update (GP) Final Program Environmental Impact Report (EIR) certified in October 2020 (City of Beaumont 2020a). A comprehensive environmental evaluation has been completed for the Project as documented in the attached §15183 Exemption Checklist. This evaluation concludes that the Project qualifies for an exemption from additional environmental review because it is consistent with the land use characteristics established by the City's General Plan, as analyzed by the City of Beaumont General Plan Update Final Program EIR, and all required findings can be made.

In accordance with CEQA Guidelines §15183, the Project qualifies for an exemption because the following findings can be made:

1. The Project is consistent with the development density established by existing zoning, community plan or general plan policies for which an EIR was certified.
2. There are no Project specific effects which are peculiar to the Project or its site, and which the GP EIR failed to analyze as significant effects.
3. There are no potentially significant off-site and/or cumulative impacts which the GP EIR failed to evaluate.
4. There is no substantial new information which results in more severe impacts than anticipated by the GP EIR.
5. The Project will undertake feasible mitigation measures specified in the GP EIR as applicable.

1.3 Project Planning Setting

The City of Beaumont (City) is located in the westernmost portion of Riverside County (County) and is bounded on the west by the City of Calimesa and unincorporated areas, on the north by unincorporated County areas (Cherry Valley), on the south by unincorporated County areas and the City of San Jacinto, and on the east by the City of Banning. Major transportation routes through the City include Interstate 10, State Route 60, and State Route 79. Urban land uses predominate in the City, while open space and protected habitat areas are located to the south and west of the City.

The Project site encompasses approximately 7 acres of vacant, previously disturbed property designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing). The Project is surrounded on the north, south and west by commercial and industrial uses, including the SCE Maraschino substation and a recycling facility and auto wrecking yard. There are low density residential uses along the eastern boundary.

1.4 Public Review Process

Under the CEQA 15183 Exemption process, public review of the checklist is not required. However, pursuant to section 15183(f), where a lead agency, in previously adopting uniformly applied policies or standards for imposition on future projects, failed to make a finding as to whether such policies or standards would substantially mitigate the effects of future projects, the decision-making body of the lead agency, prior to approving such a future project pursuant to this section, may hold a public hearing for the purpose of considering whether, as applied to that project, such standards or policies would substantially mitigate the effects of the project. Approval of a Plot Plan permit for this project will require a hearing before the Planning Commission, which will satisfy the public hearing requirement of section 15183(f) if one is required.

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2 Summary of Findings

The Project is consistent with the analysis performed for the City's General Plan Update (GP) Final Program Environmental Impact Report (EIR) certified in October 2020 (City of Beaumont 2020a). A comprehensive environmental evaluation has been completed for the Project as documented throughout Chapter 3 of this document. This evaluation concludes that the Project qualifies for an exemption from additional environmental review because it is consistent with the development density and land use characteristics established by the City's General Plan, as analyzed by the City of Beaumont General Plan Update Final Program EIR, and all required findings can be made.

The analysis provided throughout Chapter 3 of this document has confirmed the CEQA Guidelines §15183 findings below, and a summary of determination is provided for each finding:

1. ***The Project is consistent with the development density established by existing zoning, community plan or general plan policies for which an EIR was certified.***

   The Project site is designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing). The Project proposes a battery energy storage facility that would provide important electrical reliability services to the local area. Battery storage is considered an energy storage facility and is permitted by right in the M zoning district with a plot plan permit. The project meets the development standards for industrial uses in the M zoning, including setback, height, landscaping, and other standards. Thus, the Project is consistent with the development density, development standards and land use characteristics established by the City's GP and zoning, as analyzed by the GP EIR. As part of this document, all environmental impacts associated with the Project are analyzed to ensure that the project does not have any project-specific impacts that were not already disclosed in the EIR prepared for the GP.

2. ***There are no Project specific effects which are peculiar to the Project or its site, and which the GP EIR failed to analyze as significant effects.***

   As analyzed throughout the Initial Study Checklist below, the proposed project would not result in new or peculiar impacts not previously analyzed as part of the GP EIR. It is determined that the project's environmental impacts would be similar to, or less significant than, the environmental impacts discussed in the EIR prepared for the GP.

3. ***There are no potentially significant off-site and/or cumulative impacts which the GP EIR failed to evaluate.***

   As analyzed throughout the Initial Study Checklist below, the proposed project would not result in peculiar or more severe off-site and/or cumulative impacts than disclosed by the GP EIR. It is determined that the project's environmental impacts would be similar to, or less significant than, the environmental impacts discussed in the EIR prepared for the GP. ***There is no substantial new information which was not known at the time the EIR was certified which results in more severe impacts than anticipated by the GP EIR.***

   As analyzed throughout the Initial Study Checklist below, the proposed project would not result in peculiar or more severe impacts than anticipated by the GP EIR. It is determined that the project's environmental impacts would be similar to, or less significant than, the environmental impacts discussed in the EIR prepared for the GP. ***The Project will undertake feasible mitigation measures specified in the GP EIR as applicable.***

   The GP EIR adopted mitigation measures to address impacts related to agricultural resources, air quality, biological resources, and greenhouse gas emissions. As described in Sections 3.2, 3.3, 3.4,

and 3.8, project impacts related to agricultural resources, air quality, biological resources, and greenhouse gas emissions would be less than significant, and would not require mitigation. Project-specific impacts would be less than those identified in the GP EIR, and implementation of GP EIR mitigation would not be required.

3 Initial Study Checklist

1. **Project title:**

   Beaumont Energy Storage Project

2. **Lead agency name and address:**

   City of Beaumont,
   Beaumont Civic Center
   550 E. 6th Street
   Beaumont, California 92223

3. **Contact person and phone number:**

   Carole Kendrick
   Senior Planner
   951.769.8518

4. **Project location:**

   The Project site is located at 248 Veile Avenue, Beaumont, California 92223. The site encompasses approximately 7 acres of vacant, previously disturbed property.

5. **Project sponsor's name and address:**

   Beaumont ESS, LLC
   11455 El Camino Real #160
   San Diego, California 92130

6. **General plan designation:**

   Industrial (I)

7. **Zoning:**

   Manufacturing (M)

8. **Description of project. (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary):**

   The Project is a 100 MW/400 MWh lithium-ion stationary battery energy storage project located in the City of Beaumont, California (City) being developed by Beaumont ESS, LLC (refer to Figures 1 and 2). The site encompasses approximately 7 acres of vacant, previously disturbed property designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing) (refer to Figures 3 and 4). The Project's batteries will be installed in racks that are housed in outdoor Battery Energy Storage System (BESS) enclosures that will

be accessed from the outside via metal cabinet doors for maintenance needs. Because the size of each battery enclosure varies widely by manufacturer, the total number of enclosures to be installed will not be known until a manufacturer has been selected. In all cases, however, the project area containing the battery enclosures will remain the same at approximately 178,000 square feet. This figure represents the overall site area (302,839 square feet or 6.95 acres) net of easements, dedications, setbacks, roads and detention ponds. The Project will be charged from the electric grid via the Project's interconnection to SCE's existing 115 kV Maraschino substation at the Maraschino-Banning transmission line (the point of interconnection [POI]) at the Maraschino substation in Beaumont, located immediately adjacent to the Project site. Energy stored in the Project will then be discharged into the grid when the energy is needed, providing important electrical reliability services to the local area.

Project construction includes site preparation (clearing and grubbing of existing vegetation) and grading, installation of drainage and detention basins, installation of concrete foundations/supports and/or driven pile foundations, setting battery enclosures, underground trenching for electrical cable and telecommunications, wiring and electrical system installation, and assembly of the accessory components including inverter transformers and generation step-up transformers installation of high voltage equipment, on-site tapping switchyard and generation tie-line interconnecting to the SCE substation at the 115 kV line. (More detail concerning the switchyard and gen-tie line is provided below.) Municipal water supply will be extended to the Project for fire protection and maintenance. Municipal water is anticipated to be extended to the Project from a proposed fire hydrant that will be added along Veile Avenue within the Project right-of-way. The extension of municipal water to the Project is pending further consultation with the Riverside County Fire Department and will be refined during final design of the Project. Construction of the Project is anticipated to occur over approximately 6 months, anticipated to begin in the fourth quarter 2021. The Project would require approximately up to 8,400 cubic yards (cy) of cut and up to 4,000 cy of fill. Excess cut that cannot be placed on the site will be trucked from the site to a location determined by the construction contractor that is expected to be located within approximately 20 miles of the Project site. Any contaminated cut will be disposed of in a permitted landfill. Raw materials required for construction would include asphalt or concrete for roads; concrete, sand, and cement for foundations; and water for concrete, dust control, and erosion controls. During construction activities, heavy equipment would be used including a crane, forklift, dozer, grader, front end loaders, compactor, roller, scraper, generators, welders, pile drivers, and dump trucks, which would primarily run-on diesel fuel.

Energy stored in the Project will be discharged into the grid when the energy is needed, providing important electrical reliability services to the region and local area. The Project will operate 24 hours per day/seven days per week. The Project would be operated remotely with no permanent on-site operations and maintenance personnel, no occupied buildings, or habitable structures. It is estimated that maintenance will include 2-4 staff performing maintenance visits bi-weekly. In addition to regularly scheduled maintenance and as part of Project operations, augmentation of batteries and battery enclosures will be required. Depending on technology selection, augmentation could include replacement of batteries within enclosures and/or the phased installation of BESS enclosures over the life of the Project In order to fully analyze potential impacts from the Project, all battery enclosures that would be constructed and operated through the life of the Project have been included in Project's planning and impact assessments. The site would be fully enclosed and would not be open to the public. Access to the Project site will be provided from Veile Avenue. Access for operational, fire department, and emergency vehicles to the facility will comply with City regulations.

At the end of the Project's useful life, it will either be replaced with a new energy storage project or decommissioned. Decommissioning will involve the removal of the Project equipment from the Project site and the restoration of the Project site to pre-Project conditions. Most of the Project's electrical equipment (breakers, transformers, inverters) would be removed and recycled. Project batteries would be returned to battery manufacturer or an appropriate facility for recycling. Equipment foundations and pads would be demolished and removed. Prior to the approval of a building permit, a decommissioning plan is required to be submitted to the City of Beaumont in accordance with Chapter 17.11.160 Energy Storage Facilities of the Municipal Code.

The major components of the Project are described below and illustrated in the preliminary site plan and elevations (Figures 5 and 6). The battery and technology manufacturer has not been selected at this time. As such, the exact dimensions (and hence the number) of the battery enclosures are not yet known but, in all events, will be placed within a specified "envelope" to allow for foreseeable options available at the time of Project construction. The following information provides conservative assumptions for the purposes of permitting and analyzing impacts from the Project:

Batteries housed within BESS Enclosures: The Project will be comprised of lithium-ion battery modules that will be installed in racks and housed within outdoor Battery Energy Storage System (BESS) enclosures, which are typically made of metal. A BESS enclosure will house hundreds of battery modules where each enclosure is typically capable of storing between 2 to 5 MWh of energy.

Under normal operations, BESS facilities do not contain, store or generate hazardous materials in quantities that would represent a risk to off-site receptors. In addition, the Project's preventative measures and state-of-the-art fire and safety systems, as described below, make an accident condition very rare. Nevertheless, because lithium-ion BESS facilities do store energy, a battery thermal runaway can occur if a cell, or area within a cell, reaches elevated temperatures due to thermal failure, mechanical failure or internal/external short circuiting.

> All stationary battery storage facilities in California are required to comply with Chapter 12 (Energy Systems) and particularly Section 1206 (Electrical Energy Storage Systems) of the California Fire Code, which has adopted internationally and federally accepted National Fire Protection Association (NFPA) 855 standards for the design, construction, installation, commissioning, operation and maintenance of stationary energy storage systems. In addition to Compliance with the 2019 California Fire Code, the Project will also comply with all other local, state and federal safety standards and regulations, including those of the Riverside County Fire Department.
>
> The Project's Fire and Safety features can be described in terms of multiple levels of defense; 1) the Module Level, 2) the BESS Enclosure Level, 3) the Site Level, and 4) the Operational Level.
>
> > Module Level: Pursuant to the 2019 California Fire Code, all battery manufacturers must prove that a failed battery cell inside and enclosure will not cause a fire outside the system. The Project must meet the industry standards for adequate separations, cascading protections, and suppression systems to limit failure to a single battery cell. All BESS must use an Energy Management System for 24/7

monitoring, management, and balancing of cell voltages, currents and temperatures in order to ensure every cell remains within its safe operating parameters. The system must transmit an alarm signal if potentially hazardous temperatures or other conditions such as short circuits, over voltage or under voltage, are detected. This system is capable of controlling and isolating individual cells from the rest of the system both remotely and manually.

BESS Enclosure Level: The Project will utilize pre-engineered battery storage systems equipped with state-of-the-art integrated operational management systems, fire, and safety systems, such as air conditioning systems (HVAC), ventilation, gas, heat and smoke detection and alarms, and fire extinguishing and suppression systems. The 2019 California Fire Code contains safety standards for the system's construction (e.g., frame and enclosure, including mounting, supporting materials, barriers and more); the insulation, wiring, switches, transformers, spacing and grounding; safety standards for performance, such as tests for temperature, volatility, impact, overload of switches, and an impact drop test; and standards for manufacturing, ratings, markings, and instruction manuals. In addition to the many individual standards referenced, a Failure Mode and Effects Analysis (FMEA) must be performed for each system and requires a test to ensure safe compatibility of the system's parts.

Site Level: The site layout itself is designed for operational safety pursuant to Riverside County Fire Department requirements, including adequate fire access routes, setbacks, fire hydrants, fire-resistant perimeter walls and other features.

Operational Level: During Operations, state-of-the-art operations, practices and controls are implemented to ensure the Project is operated safely and efficiently. In addition to the BMS, this includes the creation and implementation of emergency response plans, ongoing, close coordination with the Riverside County Fire Department, including on site and regular coordination and training.

During Operations, the modules within each enclosure are accessed for maintenance from the outside via cabinet doors. A typical BESS enclosure is approximately 50 feet long by 10 feet wide by 15 feet high, however, these dimensions can vary widely by manufacturer. Thus, the size and number of each enclosure will vary depending on the battery, enclosure and BESS system manufacturer(s) selected for the Project. The Project footprint and overall capability will remain significantly the same. The modules of the Project described above and illustrated in the preliminary site plan and elevations (Figures 5 and 6). The ultimate battery and technology manufacturer has not been selected at this time. As such, details associated with the Project such as the exact dimensions of project components are approximate.

Inverter/Transformers: Low voltage cables will connect the BESS to low profile, pad-mounted inverter-transformers located adjacent to the BESS enclosures. These inverter-transformers will convert the electricity from AC/DC (and vice-versa) and step the electricity delivered up on its way to the Project's Power Distribution Center (PDC) and main on-site Step-Up Transformer (step-down to BESS unit when charging the batteries).

Project Main Step Up Transformer: The Project Main Step Up Transformer will step the electricity from the inverter-transformer up to the kV level of the transmission system, delivering it into the grid via a generation tie-line.

Power Distribution Center (PDC): The PDC is a Project enclosure that will house and protect key Project electrical, communications and command equipment located near the Step-Up Transformer.

On-Site Tapping Switchyard: The Project's on-site tapping switchyard will be a secure, separately fenced (chain link security fencing) area where high voltage electrical equipment, auxiliary transformers, circuit breakers, relays, static masts, meters and communications equipment are located, including the PDC, and Main Step Up Transformer (also referred to as the Battery Step Up Transformer [BSU] or Generator Step Up Transformer [GSU]) which steps up the voltage from the inverter-transformer to the voltage level of the transmission system, where it is then delivered it into the grid via the Project generation tie-line. The On-Site Tapping Switchyard will be within a project footprint of approximately 160 feet by 220 feet.

Generation Tie-Line: An approximately 0.05-mile generation tie-line (gen-tie line) and fiber optic cables will be constructed from the On-Site Tapping Switchyard to a position designated by SCE on the existing 115 kV SCE Maraschino-Banning transmission line immediately adjacent to the SCE Maraschino Substation. The gen-tie line will be constructed above ground and the fiber optic cables will be constructed underground. The gen-tie line will be approximately 90 feet in height and approximately 275 feet in length. It is estimated 1-4 overhead poles will be needed for the gen-tie line. The exact location and number of poles wills be dependent upon final design and further consultation with SCE. The gen-tie line will be constructed by Beaumont ESS, LLC and deeded to SCE after construction.

Other Site Design Features: The Project will include other design features to ensure safety and efficient as well as compliance with all building, fire, health, and safety regulations, including setbacks, fire-operations access roads, fences/walls, separation between equipment and other features.

9. **Surrounding land uses and setting (Briefly describe the project's surroundings):**

The Project is surrounded on the north, south and west by commercial and industrial uses, including the SCE Maraschino substation and a recycling facility and auto wrecking yard, and is consistent with the uses, aesthetic, and scale surrounding the Project site. There are low density residential uses along the eastern boundary.

10. **Other public agencies whose discretionary approval is required (e.g., permits, financing approval, or participation agreement):**

City of Beaumont – Plot plan permit

City of Beaumont – Modification of Standards

California Public Utilities Commission—General Order 131-D approval of switchyard (if required)

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

No tribal consultation has been requested and such consultation is not required for a CEQA-exempt project under section 15183. A Cultural Resources Report has been prepared and is available for review.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

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

Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☒ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature Date

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
I. AESTHETICS – Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	☒	☐	☐	☐
b) Substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☒	☐	☐	☐
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☒	☐	☐	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☒	☐	☐	☐
II. AGRICULTURE AND FORESTRY RESOURCES – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☒	☐	☐	☐
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☒	☐	☐	☐
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☒	☐	☐	☐
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☒	☐	☐	☐
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☒	☐	☐	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☒	☐	☐	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☒	☐	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☒	☐	☐	☐
IV. BIOLOGICAL RESOURCES – Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☒	☐	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☒	☐	☐	☐
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☒	☐	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☒	☐	☐	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☒	☐	☐	☐
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☒	☐	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☒	☐	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☒	☐	☐	☐
VI. Energy – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☒	☐	☐	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☒	☐	☐	☐
VII. GEOLOGY AND SOILS – Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
ii) Strong seismic ground shaking?	☒	☐	☐	☐
iii) Seismic-related ground failure, including liquefaction?	☒	☐	☐	☐
iv) Landslides?	☒	☐	☐	☐
b) Result in substantial soil erosion or the loss of topsoil?	☒	☐	☐	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☒	☐	☐	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☒	☐	☐	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☒	☐	☐	☐
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☒	☐	☐	☐
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☒	☐	☐	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☒	☐	☐	☐
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☒	☐	☐	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☒	☐	☐	☐
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☒	☐	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☒	☐	☐	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☒	☐	☐	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☒	☐	☐	☐
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☒	☐	☐	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☒	☐	☐	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on or off site;	☒	☐	☐	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site;	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☒	☐	☐	☐
iv) impede or redirect flood flows?	☒	☐	☐	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☒	☐	☐	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☒	☐	☐	☐
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☒	☐	☐	☐
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☒	☐	☐	☐
XII. MINERAL RESOURCES – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☒	☐	☐	☐
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☒	☐	☐	☐
XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☒	☐	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☒	☐	☐	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☒	☐	☐	☐
XV. PUBLIC SERVICES				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☒	☐	☐	☐
Police protection?	☒	☐	☐	☐
Schools?	☒	☐	☐	☐
Parks?	☒	☐	☐	☐
Other public facilities?	☒	☐	☐	☐
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☒	☐	☐	☐
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☒	☐	☐	☐
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☒	☐	☐	☐
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☒	☐	☐	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☒	☐	☐	☐
d) Result in inadequate emergency access?	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☒	☐	☐	☐
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	☒	☐	☐	☐
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☒	☐	☐	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☒	☐	☐	☐
c) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☒	☐	☐	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☒	☐	☐	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☒	☐	☐	☐

	No New Impact / Consistent with GP EIR Determination	Significant Project Impact	Impact Not Identified by GP EIR	Substantial New Information
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☒	☐	☐	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☒	☐	☐	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☒	☐	☐	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☒	☐	☐	☐
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☒	☐	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☒	☐	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

3.1 Aesthetics

a) Would the project have a substantial adverse effect on a scenic vista?

The City of Beaumont General Plan Final Program Environmental Impact Report (GP EIR) concluded this impact to be less than significant. The City does not contain any specifically designated scenic vistas. Intermittent views of the San Gorgonio, San Bernardino, and San Jacinto Mountains can be seen along major thoroughfares in the City. Additionally, an open space area referred to as the "Badlands" is located within the southerly portion of the City. Future development within the City would result in the intensification of existing urban uses, as well as conversion of vacant land into urban uses. Project-specific design review of future development proposals within City limits would ensure that development pursuant to the General Plan (GP) is attractive and cohesive, without diminishing the quality of the natural beauty of the general vicinity. Accordingly, projects which may impact views of ridgelines would be given particular attention (City of Beaumont 2020a).

The Project site is located on a previously disturbed property and is surrounded by commercial and industrial uses. It is immediately adjacent to a recycling facility and auto wrecking yard and an SCE electric substation. The Project would be consistent with the existing land uses, aesthetic, and development scale surrounding the Project site. The Project would adhere to the City's Zoning Ordinance, which requires all project site plans to come under review to prevent unlawful nonconforming uses and structures. The City's Zoning Ordinance would regulate standards such as building setbacks, building heights (please see Figure 6), land uses, landscaping, grading, and parking. Thus, because the Project would conform to requirements of the City's Zoning Ordinance and would be consistent with the uses and scale surrounding the Project site, impacts would be less than significant.

As the Project would have a less than significant impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

b) Would the project substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

The GP EIR concluded this impact to be less than significant. The City does not contain officially designated or eligible State Scenic Highways. The closest officially designated State Scenic Highway is the State Route (SR)-243 freeway, located approximately four miles east of the City. Development pursuant to the GP EIR which would occur in or immediately adjacent to large expanses of open space would have the greatest potential for adverse effects to scenic resources because these areas tend to contain undisturbed or minimally altered naturally occurring scenic resources such as trees and stands or rock outcroppings (City of Beaumont 2020a).

The Project site is located approximately 6.4-miles west of designated State Scenic Highway SR-243 (Caltrans 2021). Development woven throughout the City disrupts the potential view of the designated State Scenic Highway from the Project site. The Project site consists of disturbed undeveloped land with sparse ruderal vegetation; no potentially significant resources are present. Thus, because the Project site

is not visible from any scenic highway and does not contain scenic resources, no impact to scenic resources within a state scenic highway would occur.

The GP EIR determined impacts on scenic resources to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. The conversion of open spaces to rural uses that would be realized under the GP could have potential significant visual impacts, either by altering or obstructing existing views, or by potentially obstructing distant panoramic views from existing development. This would be particularly notable in areas which are currently primarily rural, agricultural, or undeveloped, such as in the southern portion of the City limits. GP goals and policies are intended to ensure that urbanization of the City would not result in substantial degradation to the existing visual character or quality of the City. The City's Zoning Ordinance requires all City-project site plans to come under review to prevent unlawful nonconforming uses and structures. The Zoning Ordinance regulates building setbacks, building heights, land uses, landscaping, parking, etc. which would ensure that future development are consistent with surrounding area in terms of mass, scale, and design (City of Beaumont 2020a).

The Project site is designated as Industrial in the City's General Plan and zoned Manufacturing. The Project is surrounded on the north, south and west by commercial and industrial uses, including the SCE Maraschino substation and a recycling facility and auto wrecking yard, and is consistent with the uses, aesthetic, and scale surrounding the Project site. The Project would be constructed pursuant to City design plans and policies contained in the GP and Zoning Ordinance. Thus, because the Project would not conflict with land use designation and zoning of the site, be consistent with surrounding uses, and would adhere to City design plans and policies of the GP and Zoning Ordinance; impacts would be less than significant.

The Project is anticipated to interconnect with the existing overhead 115-kV SCE Maraschino-Banning transmission line located immediately adjacent to the west side of the Project site along Veile Avenue, via an approximately 0.05-mile gen-tie line. In accordance with Section 12.16.060 of the City of Beaumont Code of Ordinances, poles, overhead wires and associated structures used for the transmission of electric energy at nominal voltages in excess of 34,500 volts are exempt from the underground installation of electric wires. The gen-tie line will be consistent with the existing transmission liens associated with the SCE Maraschino substation and surrounding commercial and industrial uses.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

The GP EIR concluded this impact to be less than significant. Development pursuant to the GP would introduce new sources of light into the City in the form of streetlights, parking lots, illuminated signs, residential/other outdoor security lighting, and vehicular lights that may affect the nighttime sky.

Additionally, new sources of light from glare may arise from the use of reflective materials on building exteriors or from certain industrial processes, such as solar farms. Although all new development pursuant to the GP would incrementally contribute to light pollution throughout the City, all future development within the City limits would be subject to the provisions of Chapter 8.50, Outdoor Lighting, of the Municipal Code. Chapter 8.50 sets forth restrictive lighting standards that act to prevent or minimize overall illumination levels, and effectively reduce or preclude potential light/glare overspill impacts. In this regard, the City's Outdoor Lighting Ordinance establishes specific design, construction, and performance standards applicable to lighting and light fixtures within the City (City of Beaumont 2020a).

Through adherence to the applicable City standards, the Project would not generate excessive light or glare. The Project's batteries would be installed in racks that are housed in outdoor BESS enclosures that would be accessed from the outside via metal cabinet doors for maintenance needs. The Project would not include occupied buildings or habitable structures; thus, no interior lighting is proposed. The Project would include exterior lighting in the form of light poles situated along the roadway within the site for visibility at night. The light poles will not exceed 20 feet in height. The Project would include an 8-foot wall on the northern, southern, and western boundary of the site and a 9-foot wall on the eastern boundary of the site which would prevent light from spilling onto adjacent properties. Lighting at the switchyard would be shielded and downward facing. Therefore, impacts associated with light and glare would be less than significant.

The GP EIR determined impacts on light and glare to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.2 Agriculture and Forestry Resources

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

The GP EIR concluded this impact to be less than significant with mitigation incorporated. The GP does not designate any lands for agricultural use. Because there are no exclusive agricultural land use designations included as part of the GP, development facilitated by the GP could eventually convert up to 50 acres of Farmland. The only location within the City with Prime Farmland is Dowling Farms, which is also the only active agricultural use growing row crops in the City. Dowling Farms is surrounded on three sides by industrial development (warehouses) and SR-60 on the fourth side. Since there are no sensitive receptors associated with industrial development, pressure in the form of complaints from the industrial users is not anticipated which would adversely affect the ability of the farming to continue on this site Likewise, it is not anticipated that activities from the industrial development would result in Dowling Farms to cease operations.

As stated in the GP EIR. there are no policies available to mitigate the irreplaceable loss of Prime and Unique Farmland. However, impacts regarding the conversion of Farmland would be reduced to less than significant through the protection of Farmland via an agricultural easement, cancellation of a Notice (or

Notices of Non-Renewal) or placement of a new Williamson Act contract on property at another location in California as required by mitigation measure MM AG-1 (City of Beaumont 2020a).

According to the California Department of Conservation California Important Farmland Finder, the Project site is Urban and Built-Up Land, which is considered vacant and nonagricultural land that is surrounded by urban development and is less than 40 acres in size (DOC 2021). The Project site is designated as Industrial in the City's General Plan and zoned Manufacturing. The Project is surrounded on the north, south and west by commercial and industrial uses. Thus, because the Project would not convert agricultural land and is consistent with the designated land use and zoning of the site, no impact would occur and mitigation measure MM AG-1 would not apply.

The GP EIR determined impacts on Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to be less than significant with mitigation incorporated. As the Project would have no impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The Project site is designated as Industrial in the City's General Plan and zoned Manufacturing. The Project proposes energy storage and thus would be consistent with the land use designation and zoning. The City does not currently have Williamson Act contract lands within the City and the Project site is not encumbered by a Williamson Act contract, the Project would not conflict with a Williamson Act contract and no impact would occur.

The GP EIR determined impacts as a result of conflict with existing zoning for agricultural use, or a Williamson Act Contract would be less than significant with mitigation incorporated. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded no impact would occur. There are no properties within the City that are zoned for forest land, timberland, or timberland production. In addition, environmental conditions within the City are not suitable for the creation of forest land or timberland (City of Beaumont 2020a).

The Project site is designated as Industrial in the City's General Plan and zoned Manufacturing. The Project proposes energy storage and thus would be consistent with the land use designation and zoning. Therefore, because the Project would be consistent with the land use designation and zoning of the Project site and no properties within the City are zoned for forest land, timberland, or timberland production, including the Project site; no impact would occur.

The GP EIR determined impacts would not occur. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded no impact would occur. There are no forest lands within the City and environmental conditions within the City are not suitable for the creation of a mature stand of forest trees (City of Beaumont 2020a).

As discussed in threshold c, the Project proposes energy storage and thus would be consistent with the land use designation and zoning. Therefore, because the Project would be consistent with the land use designation and zoning of the Project site and no forestland exists within the City, including the Project site, no impact would occur.

The GP EIR determined impacts on forestland would not occur. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. The GP does not designate any lands for agricultural use. The only location in the City with Prime Farmland is Dowling Farms, which is also the only active agricultural use growing row crops in the City. However, Dowling Farms is approximately 3,600 feet north and west of the Project site. The General Plan EIR concludes that activities from the surrounding industrial development would not result in Dowling Farms to cease operations (City of Beaumont 2020a). Additionally, there are no forest lands within the City and the desert conditions within the City are not suitable for the creation of a mature stand of forest trees.

The Project site is designated as Industrial in the City's General Plan and zoned Manufacturing. The Project proposes energy storage and thus would be consistent with the land use designation and zoning. Additionally, the Project site would not be located within or near Dowling Farms which is the only location which contains Prime Farmland in the City. As previously mentioned, Dowling Farms is approximately 3,600 feet north and west of the Project site. Therefore, because the Project would be consistent with the land use designation and zoning of the Project site, no properties within the City are zoned for forest land or agricultural use; and the Project will not affect Dowling Farms; no impact would occur.

The GP EIR determined impacts on light and glare to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.3 Air Quality

The following study has been prepared for the Project in relation to air quality and greenhouse gas emissions and incorporated into the below discussion:

- An Air Quality and Greenhouse Gas Emissions Study (Appendix A) was prepared for the Project by Dudek, dated April 2021

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

The GP EIR concluded this impact to be less than significant. Vehicle use, energy consumption, and associated air pollutant emissions are directly related to population growth. A project may be inconsistent with the South Coast Air Basin (SCAB) Air Quality Management Plan (AQMP) if it would generate population, housing or employment growth exceeding the forecasts used in the development of the AQMP. Consistency with the 2016 AQMP is also a function of consistency with applicable AQMP control measures. The AQMP includes specific control measures to reduce air pollutant emissions in order meet federal and state air quality standards.

The City's General Plan area, including the Project site, is in the SCAB, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties and all of Orange County, and is within the jurisdictional boundaries of SCAQMD.

The purpose of a consistency finding regarding the AQMP is to determine whether a project is consistent with the assumptions and objectives of the regional air quality plans, and whether it would interfere with the region's ability to comply with federal and state air quality standards. SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3 of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- Whether the project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- Whether the project would exceed the assumptions in the AQMP, or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance as part of the Air Quality and Greenhouse Gas Emissions Study (Appendix A). It was determined that construction and operation of the proposed Project would not generate criteria air pollutant emissions that exceed SCAQMD's thresholds.

The second criterion, regarding the Project's potential to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase, is primarily assessed by determining consistency between the project site's land use designations and the project's potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality

Handbook). SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the Southern California Association of Governments (SCAG) for its Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (SCAG 2016). This document, which is based on general plans for cities and counties in the SCAB, is used by SCAQMD to develop the AQMP emissions inventory (SCAQMD 2017).[1] The SCAG 2016 RTP/SCS and the associated Regional Growth Forecast are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

The site encompasses approximately 7 acres of vacant, previously disturbed property designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing). The Project would be considered an energy storage facility under the zoning code which is explicitly permitted under the Manufacturing zone. Therefore, the Project is consistent with the underlying zoning of the site. In addition, the implementation of the Project would not generate an increase in growth demographics that would conflict with existing projections within the region. Accordingly, the Project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

In summary, based on the considerations presented for the two criteria, impacts relating to the Project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

The GP EIR determined impacts resulting from conflict with or the obstruction of the applicable air quality plan to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be significant and unavoidable. As discussed in the GP EIR, implementation of the GP at buildout would generate long-term emissions that exceed the daily SCAQMD thresholds for all criteria pollutants, except SOx (City of Beaumont 2020a).

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a proposed project's individual emissions would have a cumulatively significant impact on air quality.

[1] Information necessary to produce the emissions inventory for the SCAB is obtained from SCAQMD and other governmental agencies, including the California Air Resources Board (CARB), California Department of Transportation (Caltrans), and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in its 2016 RTP/SCS are integrated into SCAQMD's 2016 AQMP (SCAQMD 2017).

Construction

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road vendor trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for particulate matter, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated.

CalEEMod Version 2016.3.2 was used to estimate emissions from construction of the proposed Project. Internal combustion engines used by construction equipment, trucks, and worker vehicles would result in emissions of VOCs, NO_x, CO, PM_{10}, and $PM_{2.5}$. PM_{10} and $PM_{2.5}$ emissions would also be generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil. The Project would be required to comply with SCAQMD Rule 403 to control dust emissions generated during any dust-generating activities. Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active dust areas three times per day, with additional watering depending on weather conditions as specified in project design feature **PDF-AQ-1,** outlined below. The CalEEMod default assumptions were used for estimating fugitive dust emissions from grading on site. As outlined in Table 5 of the Air Quality and Greenhouse Gas Emissions Study (Appendix A), the Project construction would not exceed SCAQMD's daily thresholds, and therefore, construction impacts associated with criteria air pollutant emissions would be less than significant.

The following Project design feature was included in the CalEEMod modeling as has been incorporated into the project design by Beaumont ESS, LLC. It is recommended that the City of Beaumont also require this project design feature be enforceable as a condition of the Plot Plan Permit. This analysis was completed to fulfill the Beaumont General Plan Mitigation Measure AQ-1 and project design feature (PDF)-AQ-1 below ensures the project is consistent with the uniformly applicable development standards within the General Plan Mitigation Measure AQ-1.

PDF-AQ-1 Prior to City of Beaumont (City) approval of any construction-related permits, the project applicant or its designee shall place the following requirements on all plans, which shall be implemented during each construction phase to minimize diesel particulate matter emissions:

a. Heavy-duty diesel-powered construction equipment shall be equipped with Tier 3 or better diesel engines for engines 50horsepower or greater. The City shall verify and approve all pieces within the construction fleet that would not meet Tier 3 standards.

b. Vehicles in loading and unloading queues shall not idle for more than 5 minutes and shall turn their engines off when not in use to reduce vehicle emissions.

c. All construction equipment shall be properly tuned and maintained in accordance with manufacturer's specifications.

d. When construction equipment units that are less than 50 horsepower would be employed, that equipment shall be electrical or natural gas powered, where available.

e. A Construction Traffic Control Plan shall be developed to ensure construction traffic and equipment use is minimized to the extent practicable. The Construction Traffic Control Plan shall include measures to reduce the amount of large pieces of equipment operating simultaneously during peak construction periods, schedule vendor and haul truck trips to occur during non-peak hours, establish dedicated construction parking areas to encourage carpooling and efficiently accommodate construction vehicles, identify alternative routes to reduce traffic congestion during peak activities, and increase construction employee carpooling.

f. Use a chemical stabilizer monthly on disturbed soil and unpaved roads to reduce fugitive dust emissions.

g. Water exposed area three times daily.

Operation

Emissions from the operational phase of the proposed Project were estimated using CalEEMod. Operational year 2022 was assumed following completion of construction. As outlined in Table 6 of the Air Quality and Greenhouse Gas Emissions Study (Appendix A), the proposed Project would not exceed SCAQMD's significance thresholds during operations. Therefore, operational impacts associated with criteria air pollutant emissions would be less than significant.

In considering cumulative impacts from a proposed Project, the analysis must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the SCAB is designated as nonattainment for the CAAQS and NAAQS. If a project's emissions would exceed SCAQMD's significance thresholds, it would be considered to have a cumulatively considerable contribution to nonattainment status in the SCAB. If a project does not exceed thresholds and is determined to have less than significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality. The basis for analyzing the project's cumulatively considerable contribution is if the project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact) and consistency with SCAQMD's 2016 AQMP, which addresses cumulative emissions in the SCAB.

The SCAB has been designated as a federal nonattainment area for O_3 and $PM_{2.5}$ and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction of the proposed Project would generate VOC and NO_x emissions (which are precursors to O_3) and emissions of PM_{10} and $PM_{2.5}$. As indicated in Tables 5 and 6 of the Air Quality and Greenhouse Gas Emissions Study (Appendix A), project-generated construction and operational emissions would not exceed SCAQMD's emission-based significance thresholds for VOC, NO_x, CO, SO_2, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a construction project were to occur concurrently with another off-site project. There are no known nearby related projects, and construction schedules for potential future projects near the project site are currently unknown; therefore, potential construction impacts associated with two or more simultaneous projects would be speculative.[2] However, future projects would be subject to CEQA and would require an air quality analysis and, where necessary, mitigation if the project would exceed SCAQMD's significance thresholds. Criteria air pollutant emissions associated with construction activity of future proposed projects would be reduced through implementation of control measures required by SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all construction sites in the SCAQMD.

Based on the previous considerations, the proposed Project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and cumulative impacts would be less than significant.

The GP EIR determined impacts resulting from cumulatively considerable net increase of criteria pollutants to be significant and unavoidable. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR or result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be significant and unavoidable.

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, older people, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993). The nearest sensitive-receptor land use (a residence) is located approximately 140 feet east of the Project site boundary. This analysis was completed to fulfill the Beaumont General Plan Mitigation Measure AQ-1 and project design feature (PDF)-AQ-1 below ensures the project is consistent with the uniformly applicable development standards within the General Plan Mitigation Measure AQ-1.

Construction

Construction activities associated with the proposed Project would result in temporary sources of on-site fugitive dust and construction equipment emissions. As shown in Table 7 of the Air Quality and Greenhouse Gas Emissions Study (Appendix A), the Project's estimated construction emissions would not exceed the established LSTs; therefore, the Project would result in a less than significant localized impact to sensitive receptors during construction. Additionally, the Air Quality and Greenhouse Gas Emissions Study found that impacts to sensitive receptors with regard to potential CO hotspots resulting from the Project's contribution

[2] The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145). This discussion is nonetheless provided in an effort to show good-faith analysis and to comply with CEQA's information disclosure requirements.

to cumulative traffic-related air quality impacts would be less than significant. A thermal runaway of a cell or module would be considered a low-priority risk and thus would result in a less than significant impact; as shown in Table 8 in Appendix A; and the Project would not generate emissions of PM_{10} or $PM_{2.5}$ that would exceed SCAQMD's LSTs and thus are not expected to cause any increase in related localized or regional health effects for these pollutants.

Operation

During operation, the project would require periodic maintenance and movement of containers one day every 5 years. The infrequent use of offroad equipment and vehicles would not impact sensitive receptors through the generation of toxic air contaminants or CO hotspots. Impacts would be less than significant.

In summary, the Project would not result in any potentially significant contribution to local or regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants. It is determined that project impacts would be less than significant.

Furthermore, a Health Risk Assessment (HRA) was performed to assess the impact of a battery cell malfunction, such as a runaway reaction or overcharge event, on sensitive receptors proximate to the Project site. The HRA is included as part of Appendix A to this report. The analysis evaluated the potential impacts of a thermal runaway event where there was an elevated temperature situation due to a runaway reaction with combustion. As discussed in Appendix A, the results of the HRA show that a thermal runaway of a cell or module would be considered a low-priority risk and would result in a less than significant impact.

The GP EIR determined impacts on sensitive receptors to be significant and unavoidable. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR and would not result in a project-specific peculiar impact not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR

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

The GP EIR concluded this impact to be less than significant. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speed and direction; and the sensitivity of receiving location all contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the Project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and asphalt pavement application. Such odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities (SCAQMD 1993). The proposed Project would not create any new sources of odor during operation. Therefore, Project operations would result in an odor impact that would be less than significant.

The GP EIR determined impacts on other emissions to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.4 Biological Resources

The following study has been prepared for the Project in relation to biological resources and incorporated into the below discussion:

- A Biological Resources Report (Appendix B) was prepared for the Project by LSA Associates Inc., dated January 2021

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

The GP EIR concluded this impact to be less than significant with mitigation incorporated. As discussed in the GP EIR, 22 special-status plant species and 34 special-status wildlife species are considered candidate, sensitive, or special status under the Federal Endangered Species Act (FESA), California Endangered Species Act (CESA) and/or California Native Plant Society (CNPS)/California Rare Plant Ranks (CRPR) designation. These include species that are listed as endangered or threatened under FESA, species proposed, or candidates for such listing and species similarly listed under CESA. This list also includes species covered and not covered by the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). Proposed planning actions could result in the permanent loss of habitat by allowing future development to occur (City of Beaumont 2020a). The GP EIR requires implementation of mitigation measures MM BIO-1 (impacts on candidate, sensitive, or special status species), MM BIO-2 (impacts on nesting birds), and MM BIO-3 (impacts on riparian habitat or sensitive natural community) to address and reduce potentially significant impacts to a less than significant level.

Under existing conditions, the Project site is vacant, disturbed land. As documented in the Biological Resources Report prepared for the Project, vegetation on the Project site consists of non-native grassland and coastal sage scrub. There are also a few ornamental trees along its eastern edge. There are no oaks or other native trees present. Dominant species in the non-native grassland include mouse barley (*Hordeum murinum*), foxtail chess (*Bromus madritensis*), ripgut brome (*Bromus diandrus*), and stem stork's bill (*Erodium cicutarium*). The coastal sage scrub is dominated by California buckwheat (*Eriogonum fasciculatum*) and foxtail chess (Appendix B).

The Project site is located within the MSHCP Plan Area. However, the Project site is not subject to any other adopted Habitat Conservation Plan (HCP) (Appendix B).

Sensitive Plant Species

Section 6.1.3 of the MSHCP requires focused surveys for specified sensitive plant species if the project is located within a Narrow Endemic Plant Species Area (NEPSSA) and suitable habitat is present. However, the Biological Resources Report finds that the Project site is not within a mapped survey area for NEPSSA species. Therefore, impacts to sensitive plant species would be less than significant.

Sensitive Wildlife Species

Fairy Shrimp

The Project site was assessed for fairy shrimp during a site visit in December 2020. The MSHCP calls for habitat assessments for three sensitive species of fairy shrimp: Santa Rosa Plateau fairy shrimp (*Linderiella santarosae*), Riverside fairy shrimp (*Streptocephalus woottoni*), and vernal pool fairy shrimp (*Branchinecta lynchi*). Santa Rosa Plateau fairy shrimp occurs only on the Santa Rosa Plateau of extreme southwest Riverside County. A fourth sensitive species of Southern California, San Diego fairy shrimp (*Branchinecta sandiegonensis*), is found primarily in coastal areas of Orange and San Diego Counties. It has been found as far inland as the Wildomar area of southwest Riverside County but is not expected in the vicinity of the Project site. These sensitive fairy shrimp species inhabit vernal pools as well as stock ponds, large road ruts, or other similar habitats that pond water long enough to allow growth and reproduction. To provide fairy shrimp habitat, a feature must regularly pond water for at least 18 days for vernal pool fairy shrimp (Eriksen and Belk 1999) and two months for Riverside fairy shrimp (USFWS 2012). As will be discussed in threshold c, the Biological Resources Report found that there are no vernal pools within the Project site. Although there are shallow depressions (small potholes) near the western edge of the site in an area compacted by vehicle use, these are only about two inches deep. Given their small size and the loamy soils, they would not pond water long enough to provide fairy shrimp habitat. Additionally, no inundation on the Project site was seen in seasonally appropriate aerial photographs, and the loamy soils are unlikely to support ponding for long enough to provide suitable habitat conditions. Given these factors, the Project site does not have habitat suitable for sensitive fairy shrimp species and no surveys will be required (Appendix B).

Riparian Birds

Habitat suitability for riparian birds, including least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher (*Empidonax traillii extimus*), and yellow-billed cuckoo (*Coccyzus americanus*) was assessed in conjunction with the assessment for riverine and riparian areas. As will be discussed in threshold b, there are no riparian areas or any habitat suitable for riparian birds on the Project site. Therefore, no surveys for riparian birds would be required (Appendix B).

Other Special-Status Species

Other special-status species may occur on Project site. The CDFW, USFWS, local agencies, and special interest groups, such as the CNPS, maintain lists of species that they consider to be in need of monitoring. Legal protection for special-status species varies widely. The special-status species listed in the Biological

Resources Report may be expected to occur in the general vicinity of the Project site but are not covered under the MSHCP or are not adequately conserved by the MSHCP at this time. Some of these species have a low potential of occurring on the Project site. However, none of these species that may be present is listed as threatened or endangered under state or federal law, and the Project site does not contain high quality habitat for any of these species. Therefore, any impacts to these species by the Project would not be substantial. Neither additional surveys nor additional conservation measures would be required by this Project for these species (Appendix B).

Threatened and Endangered Species

Although the site may provide low-quality habitat for the Stephens' kangaroo rat, no threatened or endangered species are expected to occur on the Project site (Appendix B). Since the Stephen's kangaroo rat is a species covered by the MSHCP, no mitigation and no surveys are required.

Nesting Birds

During the bird breeding season (typically February 1 through August 31), large trees on or adjacent to the Project site may be used by hawks, ravens, or other large birds for nesting. Trees, shrubs, and other vegetation may provide nest sites for smaller birds. Most birds and their active nests are protected from "take" (meaning destruction, pursuit, possession, etc.) under the Migratory Bird Treaty Act and/or Sections 3503–3801 of California Fish and Game Code. Activities that cause destruction of active nests, or that cause nest abandonment and subsequent death of eggs or young, may constitute violations of one or both of these laws. If trees are to be removed during the nesting season, a pre-construction nesting bird survey should be conducted, and avoidance measures taken to ensure that no take of birds or their nests will occur (compliance with GP EIR MM BIO-2).

The GP EIR determined impacts on species identified as a candidate, sensitive, or special status species to be less than significant with mitigation incorporated. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant with mitigation incorporated. The City would need to see that future projects have mitigated for impacts to sensitive habitats and waters of the state or United States at a ratio deemed acceptable to the various resource agencies. The GP EIR requires that mitigation measure MM BIO-3 be implemented to ensure impacts to riparian/riverine or sensitive habitat resources are less than significant (City of Beaumont 2020a).

The Project site was assessed for riparian/riverine areas during a site visit in December 2020. The Biological Resources Report prepared for the Project found that under existing conditions, one drainage feature is present in the southeastern portion of the site (See Figure 2). This drainage feature is deeply incised and receives ephemeral runoff from Elm Avenue. Vegetation within this drainage feature is sparse

and consists of the same upland species characteristic of the non-native grassland areas of the site. However, the drainage feature is not within the impact area of the Project site and is not expected to be affected by the Project. As such, the Biological Resources Report determines that the Project site does not contain riparian vegetation. The few trees located along the eastern edge of the site are non-native and do not appear to be reliant on the ephemeral flows of the drainage feature (Appendix B). Therefore, impacts would be less than significant.

The GP EIR determined impacts on riparian habitat to be less than significant with mitigation incorporated. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant with mitigation incorporated. Direct impacts to federally protected wetlands would occur if future development resulted in direct removal, fill, hydrologic interruption or other disturbance to these resources. Should certain proposed development be located within wetland areas, federal and state laws and regulations would be implemented to protect resources from development through the ACOE Section 404 permitting process, the California Wetlands Conservation Policy (CWCP), and compliance with applicable MSHCP policies. Implementation of mitigation measure MM BIO-3 would ensure impacts to wetlands are less than significant (City of Beaumont 2020a).

As discussed in threshold b, one drainage feature is present in the southeastern portion of the Project site. This drainage feature is deeply incised and receives ephemeral runoff from Elm Avenue. Vegetation within this drainage feature is sparse and consists of the same upland species characteristic of the non-native grassland areas of the site. This drainage feature is subject to jurisdiction by the California Department of Fish and Wildlife (CDFW) as a streambed and by the Regional Water Quality Control Board (RWQCB) as waters of the state. Permits from these agencies would likely be required if the feature were to be affected by project construction. However, this feature is not within the impact area of the Project. As an ephemeral drainage, this drainage feature is not subject to regulation by the U.S. Army Corps of Engineers (USACE) (Appendix B).

Vernal pools are seasonal wetlands that occur in depression areas that have wetlands indicators of all three parameters (soils, vegetation and hydrology) during the wetter portion of the growing season but normally lack wetlands indicators of hydrology and/or vegetation during the drier portion of the growing season. The Project site was assessed for vernal pools during a site visit in December 2020. Although there are shallow depressions (small potholes) where soils are compacted by vehicle parking near the western edge of the Project site, these would not qualify as vernal pools because they are artificially created, do not have hydrophytic vegetation (they are unvegetated), and would not hold water long enough to create hydric soils. No ponded areas or features resembling vernal pools were seen in aerial photographs of the Project site. The soil mapped and observed on the site is sandy loam, which is unlikely to support ponding sufficient for vernal pool formation. There are no areas of hydrophytic vegetation on the site. Therefore, there are no vernal pools on the Project site (Appendix B).

The GP EIR determined impacts on state or federally protected wetlands to be less than significant with mitigation incorporated. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant with mitigation incorporated. Wildlife movement includes seasonal migration along corridors, as well as daily movements for foraging. Migration corridors may include areas of unobstructed movement of deer, riparian corridors providing cover for migrating birds, routes between breeding waters and upland habitat for amphibians, and between roosting and feeding areas for birds. Projects pursuant to the GP could result in creation of new barriers to animal movement in the urbanizing portions of the City; however, impacts to wildlife movement would be mitigated through the establishment of corridors and linkages established by compliance with the Western Riverside MSHCP. Additionally, future projects would need to implement mitigation measure MM BIO-2, which requires compliance with the Migratory Bird Treaty Act (MBTA) (City of Beaumont 2020a).

The Project site is located adjacent to roads and existing development that already restrict wildlife movement in the Project vicinity (See Figure 2). As found in the Biological Resources Report, the Project would not substantially limit wildlife movement (Appendix B). Therefore, impacts would be less than significant.

The GP EIR determined impacts on wildlife corridors to be less than significant with mitigation incorporated. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. The City does not have a tree preservation policy or ordinance. However, an application and approval from the City is required for any removal of front yard/street tree or trees (City of Beaumont 2020a).

The Project site contains trees scattered around the property edges of the site. In accordance with Section 12.12.130, Tree Removal, of the City's Municipal Code, the Project would obtain a permit from the City Engineer prior to the removal of trees (City of Beaumont 2021). Per the findings of the Biological Resources Report, the Project would not conflict with local policies or ordinances related to biological resources (Appendix B). Therefore, impacts would be less than significant.

The GP EIR determined impacts associated with the conflict of any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be

consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant with mitigation incorporated. There are two adopted Habitat Conservation Plans/Natural Community Conservation Plan within the City. Namely, the Stephens Kangaroo Rat Habitat Conservation Plan (SKR HCP) and the MSHCP. Implementation of all GP goals and policies related to biological resources, implementation of mitigation measure MM BIO-3, and compliance with the MSHCP and SKR HCP would ensure that development pursuant to the GP would not conflict with any HCPs (City of Beaumont 2020a).

The Project site is located within the MSHCP area. However, the Project site is not subject to any other adopted HCP (Appendix B). The Project would adhere to applicable GP goals and policies related to biological resources, implement mitigation measure MM BIO-3 of the GP, and comply with the MSHCP including City of Beaumont Ordinance No. 1131, which updates the local development mitigation fee for funding the preservation of natural ecosystems in accordance with the MSHCP. Impacts would be less than significant.

The GP EIR determined impacts resulting from conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan to be less than significant with mitigation incorporated. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.5 Cultural Resources

The following study has been prepared for the Project in relation to cultural resources and incorporated into the below discussion:

- An Archaeological and Paleontological Resources Assessment (Appendix C) was prepared for the Project by Dudek, dated May 2021

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

The GP EIR concluded this impact to be less than significant. Although few buildings in Beaumont pre-date 1900, there is a section of the downtown area that exemplifies the old-town character and contains several buildings of historic interest. Historic properties and resources are protected under federal, state, regional, and local regulations.

The archaeological assessment prepared for the Project determined that California Historical Resources Information System (CHRIS) records search data indicates that the surrounding area is sensitive for

previously recorded historic period archaeological resources. According to the cultural resources report prepared for the City's General Plan Update, the Project site is within an area considered highly sensitive for the presence of historic period resources. Although no archaeological resources were identified within the Project site during the pedestrian survey, late 19th century through early 20th century archaeological features and material were encountered a short distance from the southern border of the Project, which indicates the potential for historic period archaeological resources to be encountered within the Project site during ground disturbing activities. However, the Project site is a vacant, previously disturbed property, and Project construction is not expected to substantially impact historical resources on-site as described in section "b" below. Project implementation of the management recommendations provided in the Archaeological and Paleontological Resources Assessment (Appendix C) would ensure potential impacts to historical resources would remain at a less than significant level. These measures implement General Plan policies 8.11.1 through 8.11.4 and are thus consistent with the City's uniformly adopted development standards that apply to all projects.

The GP EIR determined impacts resulting from historical resources to be less than significant. As the Project would not have any peculiar, project-specific impacts that are new or more severe, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Based on what is known of the histories of local Native American groups and previously recorded archaeological sites, archaeological resources are known to exist within the City. Archaeological resources are protected under federal, state, regional regulation and local processes. The GP and City's Zoning Ordinance includes goals and policies that would protect and reduce substantial adverse impacts to archaeological resources. Additionally, as part of the City's typical entitlement review process, a project applicant may be required to provide a cultural resources assessment and mitigate project-specific impacts.

The Archaeological and Paleontological Resources Assessment prepared for the Project (Appendix C) determined that the potential for unrecorded archaeological resources to exist within the Project site is considered moderate based on the following factors: 1) there have been no prior investigations for the presence of archaeological resources conducted within the Project site; 2) CHRIS records search data indicates that the surrounding area is sensitive for previously recorded historic period archaeological resources; 3) according to the cultural resources report prepared for the City's General Plan Update, the Project site is within an area considered highly sensitive for the presence of historic period resources (Appendix C); 4) archival map and photography review identified features within the vicinity of the Project site that indicate the potential for early 20th century settlements such as dirt roads, tree alignments, and available watercourses; 5) the geotechnical report prepared for the Project encountered minimal fill material on the site (Appendix D), which suggests there is potential to encounter intact archaeological deposits that have not been previously disturbed by prior development; and 6) though no archaeological resources were identified within the Project site during the pedestrian survey, late 19th century through early 20th century archaeological features and material were encountered a short distance from the

southern border of the Project, which indicates the potential for historic period archaeological resources to be encountered within the Project site during ground disturbing activities.

Based on these factors, archaeological sensitivity within the Project site is considered moderate. Considering the overall sensitivity of the area, there is a potential for unknown archaeological resources to be encountered during ground disturbing activities. However, implementation of the management recommendations provided in the Archaeological and Paleontological Resources Assessment (Appendix C) would ensure potential impacts to archaeological resources as a result of Project implementation would not result in any peculiar or site-specific impacts than were already identified in the GP EIR

The GP EIR determined impacts on archaeological resources to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Future construction projects in the City could have the potential to disturb or destroy buried Native American human remains as well as other human remains, including those interred outside of formal cemeteries. General Plan Policy 8.11.4, and state Health and Safety Code § 7050.5, CEQA Guidelines § 15064.5(e), and PRC § 5097.98 mandate the process to be followed in the unlikely event of an accidental discovery of any human remains in a location other than a dedicated cemetery. Specifically, the process is as follows:

> The Riverside County Coroner must be notified within 24 hours of the discovery of potentially human remains. The Coroner must then determine within two working days of being notified if the remains are subject to his or her authority. If the Coroner recognizes the remains to be Native American, he or she must contact the NAHC by phone within 24 hours. The NAHC then designates a Most Likely Descendant (MLD) with respect to the human remains within 48 hours of notification. The MLD will then have the opportunity to recommend to the Project proponent means for treating or disposing, with appropriate dignity, the human remains and associated grave goods within 24 hours of notification.

According to California Health and Safety Code, six or more human burials at one location constitute a cemetery (Section 8100), and disturbance of Native American cemeteries is a felony (Section 7052). In the event that the project proponent and the MLD disagree regarding the disposition of the remains, state law will apply, and the mediation process will occur with the NAHC (see PRC Section 5097.94[k]). Either the MLD or the landowner may request mediation from the NAHC, and both parties must agree to mediate. If an MLD cannot be identified, or mediation fails, then the landowner shall be bound by the reinternment process outlined in PRC Section 5097.98(e) (City of Beaumont 2020a).

The Archaeological and Paleontological Resources Assessment (Appendix C) did not identify any human remains or find any indications that they would be expected to be found on the project site. However, although unlikely, there is the possibility of human remains being discovered during ground disturbing

activities on the Project site, as the Archaeological and Paleontological Resources Assessment identified the Project site as having moderate archaeological sensitivity. Project compliance with Health and Safety Code § 7050.5, CEQA Guidelines § 15064.5(e), and PRC § 5097.98, as well as implementation of the management recommendations outlined in the Archaeological and Paleontological Resources Assessment (Appendix C) would ensure potential impacts to human remains would not result in any peculiar or site-specific impacts than were already identified in the GP EIR.

The GP EIR determined impacts on human remains to be less than significant. Compliance with existing regulations would ensure any inadvertent discovery of human remains would be properly handled, and impacts would be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR.

3.6 Energy

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

The GP EIR concluded this impact to be less than significant. Environmental effects may include a proposed project's energy requirements and its energy-use efficiencies by amount and fuel type during demolition, construction, and operation; the effects of a proposed project on local and regional energy supplies; the effects of a proposed project on peak and base period demands for electricity and other forms of energy; the degree to which a proposed project complies with existing energy standards; the effects of a proposed project on energy resources; and the proposed project's projected transportation energy use requirements and its overall use of efficient transportation alternatives, if applicable (City of Beaumont 2020a).

Grading and Construction

It is anticipated that most off-road construction equipment, such as those used during grading, would be gas or diesel powered. In addition, all operation of construction equipment would cease upon completion of project construction. Furthermore, the construction contractors are required to minimize nonessential idling of construction equipment during construction, in accordance with Section 2449 of 13 CCR Article 4.8, Chapter 9.

The energy needs for Project construction would be temporary and are not anticipated to require additional capacity or increase peak or base period demands for electricity or other forms of energy. Construction equipment use and associated energy consumptions would be typical of that associated with the construction projects of this size. Thus, the Project's energy consumption during the grading and construction phase would not be considered wasteful, inefficient, or unnecessary.

Operational

The Project is a 100 MW/400 MWh lithium-ion stationary battery energy storage project. The Project would not increase demand for electricity or natural gas at the Project site during operations. The Project would not contain any permanent components that would increase demand for existing sources of energy except for gasoline usage for bi-weekly maintenance visits. The Project development of a battery storage facility

would provide a secure and reliable electricity supply, improve community infrastructure, and support sustainable electricity generation. By building the Project, a clean, reliable resource would be gained to help integrate renewable energy sources, reduce dependence on gas-fired generation, and reduce greenhouse gas emissions and criteria air pollutant emissions. Therefore, no significant impact to energy resources would result from the implementation of the Project.

Energy stored in the Project will then be discharged into the grid when the energy is needed, providing important electrical reliability services to the local area. Energy demands of the Project are estimated to be between 2% and 10% of enclosure capacity depending on the ultimate manufacturer, size, configuration, and operating conditions. The Project would be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures.

The GP EIR determined impacts on energy to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. As discussed in the GP EIR, there are two renewable energy plans that would be relevant to the City: the Renewables Portfolio through the State and the local Sustainable Beaumont Plan (City of Beaumont 2020a).

Renewables Portfolio Standard (RPS)

The state's electricity grid is transitioning to renewable energy under the RPS. Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The RPS goals have been updated since adoption with 50% by 2026, 60% by 2030, and 100% by 2045. SB 100 also establishes RPS requirements for publicly owned utilities that consist of 44% renewable energy by 2024, 52% by 2027, and 60% by 2030. The statewide RPS requirements do not directly apply to individual development projects, but to utilities and energy providers such as Southern California Edison (SCE), whose compliance with RPS requirements would contribute to the state objective of transitioning to renewable energy. The development accommodated under the GP would comply with the current and future iterations of the Title 24 Building Energy Efficiency Standards and CALGreen Code. Furthermore, as discussed under threshold a in the GP EIR, the GP includes goals 8.1, 8.2, 8.3, 8.11, 9.10, and 11.12 and their policies which contribute to reducing energy consumption through increasing energy efficiency, energy conservation, and use of renewable energy. The City's Zoning Ordinance also includes a new section (Section 17.11.140) that provides regulations for wind energy conversion systems (WECS) which accommodates future development of renewable energy sources in the City.

Sustainable Beaumont Plan

The City adopted the Sustainable Beaumont Plan in 2015, which provides a comprehensive plan to use energy more efficiently, harnessing renewable energy to power buildings, recycling waste, and enhancing access to sustainable transportation modes, so the City can keep dollars in its local economy, create new

green jobs, and improve community quality of life in addition to reducing greenhouse gas (GHG) emissions. (City of Beaumont 2015). The GP builds upon the Sustainable Beaumont Plan and includes goal 8.3 and associated policies that require the City to establish GHG reduction targets, implement reduction measures, monitor and update programs that address energy from all sectors.

The Project, which comprises the building of a battery storage facility, would be part of a sustainable solution to enable renewable energy generating sources to be better used and more efficiently integrated into the grid. Battery storage is predominantly used to store energy produced from renewable energy generation sources during low demand times for release during higher demand times, for example, to store solar energy during the daytime and to release it during the evening when the demand for energy goes up but the ability to generate solar energy goes down because the sun has set. Battery storage is not needed to store energy from conventional fuel sources such as natural gas because natural gas is a combustible fuel that can produce energy on demand without requiring another form of storage. Therefore, battery storage is used to facilitate integration of renewable energy sources into the electrical grid.

As discussed above, renewable energy is a focus of the RPS and Sustainable Beaumont Plan; thus, the Project would align with the State's and City's energy goals. Therefore, no conflicts with renewable energy or energy efficiency plans would occur and there would be no significant energy-related impacts from the Project.

The GP EIR determined impacts resulting from conflict with or obstruction of a state or local plan for renewable energy or energy efficiency to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR

3.7 Geology and Soils

The following study has been prepared for the Project in relation to geology and soils and incorporated into the below discussion:

- A Geotechnical Investigation Report (Appendix D) was prepared for the Project by Westwood Professional Services, dated April 21, 2021

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

and

ii) Strong seismic ground shaking?

The GP EIR concluded both impacts to be less than significant. Seismic activity is to be expected in Southern California. Many earthquake faults, as well as many designated Alquist-Priolo Fault

Zones, are known to occur within the City. Many of these faults are expected to be seismically active and have the potential to rupture, which would result in ground shaking, depending on the underlying soil/geologic conditions at the time of rupture. Unlike damage from ground shaking, which can occur at great distances from the fault, impacts from fault rupture are limited to the immediate area of the fault zone where the fault breaks along the surface. Many earthquake faults, as well as many designated Alquist-Priolo Fault Zones, are known to occur within the City. In order to lessen the potential for property loss, injury or death that could result from rupture of faults during earthquake events, the State of California has provided strict regulations that the City must follow to ensure impacts from fault rupture are reduced to less than significant levels. Development within the City limits or properties and developments annexed into the City would be required to comply with the building design standards of the California Building Code (CBC) Chapter 33 for construction of new buildings and/or structures related to seismicity and specific engineering design and construction measures would be implemented to anticipate and avoid potential impacts from seismic activity. Additionally, adherence to goals and policies in the GP would also ensure that adverse effects caused by seismic and geologic hazards are minimized by limiting the densities and intensity of uses in this area (City of Beaumont 2020a).

The Geotechnical Report prepared for the Project finds one mapped fault located within the boundary of the Project site. However, the Project site is not located within an Alquist-Priolo fault zone, where surface rupture may be expected. Consistent with other development in the City, the design of structures on the Project site should account for seismic loads in accordance with the CBC. Additionally, as discussed in the Geotechnical Report, deep foundations, such as drilled piers or shafts, may be used to support project structures. Refer to Appendix D for further details. Thus, compliance with CBC and recommendations in the Geotechnical Report would result in less than significant impacts.

The GP EIR determined impacts involving rupture of a known earthquake fault and strong seismic ground shaking to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

iii) Seismic-related ground failure, including liquefaction?

The GP EIR concluded this impact to be less than significant. Strong ground shaking can result in liquefaction. As discussed in the GP EIR, the City is underlain by areas susceptible to varying degrees of liquefaction, ranging from very low to moderate (City of Beaumont 2020a).

As shown in Figure 9.6 in the GP, Liquefaction Areas, liquefaction susceptibility within the Project site is low (City of Beaumont 2020b). Per the Geotechnical Report, Liquefaction potential is considered low considering the depth to groundwater and generally medium dense to dense nature of the sand encountered (Appendix D). Thus, impacts would be less than significant.

The GP EIR determined impacts involving seismic-related ground failure, including liquefaction to be less than significant. As the Project would have less than significant impacts for the reasons detailed

above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

iv) Landslides?

The GP EIR concluded this impact to be less than significant. Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes. Compliance with the standards in the current CBC would require an assessment of hazards related to and the incorporation of design measures into structures to mitigate this hazard if development were considered feasible. The City's Municipal Code requires provisions to grading and development on or near hillsides. Additionally, the City has included goals, policies, and implementation in the GP to minimize the risk of injury, loss of life, and property damage caused by earthquake hazards or geologic disturbances (City of Beaumont 2020a).

The Project site is predominantly flat and is not located near any hills; thus, potential landslide impacts are negligible. Thus, because the Project site is not located near hills and would be designed in accordance with the current CBC, impacts would not occur.

The GP EIR determined impacts involving landslides to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Soil erosion and/or the loss of topsoil would be likely to occur when soil is exposed during construction activities. Wind and water are the two main methods of erosion, and human activities that remove vegetation or otherwise disturb soil are the biggest influence on erosion potential.

The City is a co-permittee to the Riverside County MS4 Permit issued by the Santa Ana River RWQCB. This permit places stormwater pollution prevention requirements on planned developments, construction sites, commercial and industrial businesses, municipal facilities and activities, and residential communities within the City. Thus, the Project would require submittal of a Stormwater Pollution Prevention Plan (SWPPP) and a Water Quality Management Plan (WQMP) for review and approval by City staff. The SWPPP describes the erosion and sediment control Best Management Practices (BMPs) to be used during the construction phase and the WQMP (Appendix F) describes the post-construction treatment methods for the expected pollutants of concern. Refer to section 3.10, Hydrology and Water Quality, for further details regarding the Project WQMP. Additionally, under existing conditions, the Project site is predominantly pervious land. Upon completion of construction, impervious areas on site would be increased, reducing potential for soil erosion and loss of topsoil. Thus, impacts would be less than significant.

The GP EIR determined impacts involving soil erosion or the loss of topsoil to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be

consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Unstable geologic units and soils are known to occur throughout the City. As discussed in the GP EIR, liquefaction, lateral spread, and/or subsidence may occur depending on where a project is constructed within the City (City of Beaumont 2020a).

The Project site is predominantly flat and is not located near any hills; thus, there are no potential landslide impacts. Additionally, liquefaction potential is considered low considering that no groundwater was encouraged in the test borings that went to a depth of 40 feet (Appendix D). However, according to Figure 9.7 in the GP, Ground Subsidence Areas, the Project site is susceptible to subsidence (City of Beaumont 2020b).

As found in the Geotechnical Report prepared for the Project, based on the conditions encountered at the soil boring locations, the geologic units found across the Project site are described as the following: poorly graded sand and gravel; poorly graded sand with silt (and gravel), silty sand, and clayey sand; and silt with sand, sandy silt, elastic silt with sand, lean clay with sand, sandy lean clay, and sandy fat clay (Appendix D). Section 17.11.040 of the Municipal Code requires that all grading be done consistent with the soils report. Refer to Appendix D for further details.

With adherence to the recommendations of the Geotechnical Report, impacts would be less than significant. The GP EIR determined impacts involving a geologic unit that is unstable to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Expansive soils are characterized by their potential shrink/swell behavior. Shrink/swell is the cyclic change in volume (expansion and contraction) that occurs in certain fine-grained clay sediments from the process of wetting and drying. Clay minerals are known to expand with changes in moisture content. Expansive soils can be widely dispersed and can occur in hillside areas, as well as low-lying alluvial basins thus, portions of the City may be subject to expansive soils. All development in the City is required to be compliant with the CBC Code in Title 24, as related to the construction of structures and facilities on expansive soils (City of Beaumont 2020a).

As discussed in threshold c, the Project site soil contains poorly graded sand and gravel; poorly graded sand with silt (and gravel), silty sand, and clayey sand; and silt with sand, sandy silt, elastic silt with sand, lean clay with sand, sandy lean clay, and sandy fat clay (Appendix D). The fat clay layers have

the potential for expansion, however recommendations in the geotechnical report would ensure that impacts are less than significant.

The GP EIR determined impacts involving expansive soils to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

The GP EIR concluded this impact to be less than significant. As discussed in the GP EIR, all septic-using development within the City has to comply with the provisions of the CBC (24 CCR Part 2), Chapter 18, which address soils and foundations; and Chapters 16 and 17, which address structural design, structural test and inspections (City of Beaumont 2020a).

The Project proposes a battery energy storage facility that will be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures. The Project does not propose the use of septic tanks or an alternative wastewater disposal system. Therefore, no impact would occur.

The GP EIR determined impacts involving septic tanks or alternative wastewater disposal systems to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR

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

The GP EIR concluded this impact to be less than significant. As discussed in the GP EIR, based on the mapped geological formations that have been known to produce fossils, the City contains areas with none, low, and high paleontological sensitivity. Areas that will probably yield a greater potential of paleontological findings in the City are those that have been less disturbed by agriculture cultivations or other human disturbance, and because there is and was more native vegetation, natural stream waters, and animal life which encouraged settlement, food gathering, and hunting (City of Beaumont 2020b). GP policy 8.11.1 requires development to avoid paleontological resources, whenever possible. If complete avoidance is not possible Policy 8.11.1 requires development to minimize and fully mitigate impacts to paleontological resources (City of Beaumont 2020a).

The Project site contains previously disturbed land and is located within a predominantly urbanized area. According to the Archaeological and Paleontological Resources Assessment prepared for the Project (Appendix C), no paleontological resources were identified within the Project site as a result of the institutional records search or desktop geological review. However, intact paleontological resources may be present below the weathered ground surface. Given the proximity of past fossil discoveries in the

surrounding area and the underlying older Pleistocene to latest Pliocene age deposits, the Project site is highly sensitive for supporting paleontological resources at depth. For these reasons, the Project would implement all paleontological resources management recommendations set forth in the Archaeological and Paleontological Resources Assessment to ensure potential impacts to paleontological resources would remain at a level of less than significant.

The GP EIR determined impacts on paleontological resources to be less than significant. As the Project would have less than significant impacts with management recommendations incorporated, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.8 Greenhouse Gas Emissions

The following study has been prepared for the Project in relation to air quality and greenhouse gas emissions and incorporated into the below discussion:

- An Air Quality and Greenhouse Gas Emissions Study (Appendix A) was prepared for the Project by Dudek, dated April 2021

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

The GP EIR concluded this impact to be significant and unavoidable. As discussed in the GP EIR, GP goals and their associated policies will further reduce potential greenhouse gas (GHG)-related impacts from subsequent land use development by increasing energy and water efficiency, energy conservation, and use of renewable energy, promoting alternative forms of transportation and investing in infrastructure for public and active transportation, and reducing solid waste, and thus reduce GHG emissions. Specifically, goals 8.1, 8.3, 9.10, and 11.12, address energy sector emissions, goals 4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 5.1, 6.5, 11.1, and 11.8 address transportation section emissions, goals, 8.1, 7.3, 9.10 and 11.12 address water sector emissions, and goals 7.6, 7.7, 7.6, and 7.7 address waste sector emissions in addition to other goals 3.1, 3.3., 3.7, and 3.8 that address land use and neighborhood design and improve opportunities for pedestrian, bicycle, and transit use. While goal 8.3 and associated policies 8.3.1 through 8.3.3 specify that the City will establish GHG reduction targets, implement measures to achieve needed reductions and monitor progress towards meeting said targets, mitigation measure MM GHG-1 will be implemented to evaluate the potential mitigation strategies identified in Table 5.7-F in the GP EIR, implement feasible strategies, and monitor progress towards achieving GHG reduction targets. Although GP policies would reduce GHG emissions to the extent feasible, GHG calculations predict emissions in excess of the thresholds (City of Beaumont 2020a).

Construction of the proposed Project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road haul and vendor trucks, and worker vehicles. The SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime; therefore, the total construction GHG emissions were calculated, amortized over 30 years, and then compared to the SCAQMD operational GHG significance threshold of 3,000 MT CO_2e per year (Appendix A).

CalEEMod was used to estimate GHG emissions during construction. Construction of the Project is anticipated to last up to 6 months. On-site sources of GHG emissions include off-road equipment and off-site sources include on-road vehicles (haul and vendor trucks and worker vehicles). The estimated total GHG emissions during construction of the proposed Project would be approximately 656 MT CO_2e. Estimated project-generated construction emissions amortized over 30 years would be approximately 22 MT CO_2e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the Project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is determined by adding the amortized construction emissions to the operational emissions and comparing them to the operational threshold.

CalEEMod was used to estimate potential project generated operational GHG emissions from area sources, energy sources (electricity), mobile sources, off-road equipment, and waste, and water/wastewater (for additional details, refer to Appendix A to this document for a discussion of operational emission calculation methodology and assumptions). Operational year 2022 was assumed following completion of construction. The estimated total GHG emissions during operation of the Project would be approximately 570 MT CO_2e per year, including amortized construction emissions, as shown in Table 10 of Appendix A. The Project would not exceed the SCAQMD threshold of 3,000 MT CO_2e per year. Projects below this significance criterion have a minimal contribution to global emissions and are considered to have less than significant impacts. Therefore, operational impacts associated with directly or indirectly generating a significant quantity of GHG emissions would be less than significant.

The GP EIR determined impacts involving greenhouse gas emissions to be significant and unavoidable. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR and would not result in project-specific peculiar impacts not identified in the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded that no impact would occur. Applicable plans adopted for the purpose of reducing GHG emissions include CARB's 2017 Scoping Plan, SCAG's Sustainable Communities Strategy, and the Sustainable Beaumont Plan (City of Beaumont 2020a).

CARB 2017 Scoping Plan

The CARB 2017 Scoping Plan is applicable to state agencies but is not directly applicable to cities/counties and individual projects (i.e., the Scoping Plan does not require the City to adopt policies, programs, or regulations to reduce GHG emissions). However, new regulations adopted by the state agencies outlined in the 2017 Scoping Plan result in GHG emissions reductions at the local level. As a result, local jurisdictions benefit from reductions in transportation emissions rates, increases in water efficiency in the building and landscape codes, and other statewide actions that would affect a local jurisdiction's emissions inventory from the top down. Statewide strategies to reduce GHG emissions include the low carbon fuel standard and changes in the corporate average fuel economy standards.

Development projects accommodated under the GP are required to adhere to the programs and regulations identified by the 2017 Scoping Plan and implemented by state, regional, and local agencies to achieve the statewide GHG reduction goals of SB 32. Future development projects would be required to comply with these GHG emissions reduction measures because they are statewide strategies. For example, new buildings associated with land uses accommodated under the proposed land use plan of the GP would be built to meet the CALGreen and Building Energy Efficiency Standards in effect at the time when applying for building permits. Furthermore, as discussed under threshold a, the GP Plan includes policies and implementation actions that would help reduce GHG emissions and therefore help achieve GHG reduction goals.

As outlined in Table 13 of the Air Quality and Greenhouse Gas Emissions Study (Appendix A) the project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the Project. The Project would not interfere with implementation of any of the GHG reduction goals for 2030 or 2050 because the Project would not exceed SCAQMD's recommended screening threshold of 3,000 MT CO_2e per year (SCAQMD 2008a). Because the Project would not exceed the threshold, the Air Quality and Greenhouse Gas Emissions Study (Appendix A) provides support for the conclusion that the Project would not impede the state's trajectory toward the previously described statewide GHG reduction goals for 2030 or 2050. Furthermore, the Project's consistency would assist in meeting the City's contribution to GHG emission reduction targets in California.

2016 SCAG Regional Transportation Plan/Sustainable Communities Strategy

SCAG 2016 RTP/SCS goals and policies reduce vehicle miles traveled (VMT) focus on transportation and land use planning that include building infill projects, locating residents closer to where they work and play and designing communities so there is access to high quality transit service (SCAG 2016). SCAG adopted the Connect SoCal plan (2020 – 2045 Regional Transportation Plan/Sustainable Communities Strategy) in May 2020. The Connect SoCal plan identifies that land use strategies that focus on new housing and job growth in areas rich with destinations and mobility options would be consistent with a land use development pattern that supports and complements the proposed transportation network. The overarching strategy in Connect SoCal is to provide for a plan that allows the Southern California region to grow in more compact communities in transit priority areas and priority growth areas; provide neighborhoods with efficient and plentiful public transit; establish abundant and safe opportunities to walk, bike, and pursue other forms of active transportation; and preserve more of the region's remaining natural lands and farmlands (SCAG 2020). The Connect SoCal plan contains transportation projects to help more efficiently distribute population, housing, and employment growth as well as projected development that is generally consistent with regional-level general plan data to promote active transport and reduce GHG emissions. The projected regional development, when integrated with the proposed regional transportation network identified in Connect SoCal, would reduce per capita vehicular travel related GHG emissions and achieve the GHG reduction per capita targets for the SCAG region. The GP includes goals 3.1, 3.2, 3.3, 3.7, 3.8, 4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 5.1, 6.5, 7.9, 8.3, 8.11, 11.1, and 11.8 and their associated policies which address land use and neighborhood design and improve opportunities for pedestrian, bicycle, and transit use and thereby reduce VMT.

The Project would not conflict with the goals in SCAG's 2016 RTP/SCS. The Project would conflict with the goal to improve air quality and GHG in the region because the project would result in criteria air pollutant and GHG emissions during construction and operation. However, as described in Section 3.3 Air Quality

and response to Threshold a) above, the project would not exceed any SCAQMD thresholds and would not result in a substantial amount of air pollutant or GHG emissions.

Additionally, the Project does not have growth-inducing components and thus would not conflict with the growth projections within the 2016 AQMP, and the Project would be consistent with all applicable measures within the SCAG Connect SoCal RTP/SCS. Therefore, the Project would be consistent with the goals of the 2016 SCAG RTP/SCS.

City of Beaumont Sustainable Beaumont Plan

Adopted in 2015, the Sustainable Beaumont Plan provided measures to meet the goal of reducing community GHG emissions 15% decrease from 2005 levels, as recommended in the AB 32 Scoping Plan. The goal for 2030 is to reduce GHG emissions 41.7% below 2012 levels, which would put the City on a path toward the state's long-term goal to reduce emissions 80% below 1990 levels by 2050. The reduction measures listed in the Sustainable Beaumont Plan are estimated to reduce 162,174 MTCO2e by 2030, which meets the 2030 target (City of Beaumont 2015). The Sustainable Beaumont Plan will serve as a foundation that can be built upon in updated versions of the Plan or similar document to meet the 2030 goals and beyond. Implementation of GP goals and their associated policies will further reduce potential GHG emissions from subsequent land use development and redevelopment by increasing energy and water efficiency, energy conservation, and use of renewable energy, promoting alternative forms of transportation and investing in infrastructure for public and active transportation, and reducing solid waste. Specifically, goals 8.1, 8.3, 9.10, and 11.12, address energy sector emissions, goals 4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 5.1, 6.5, 11.1, and 11.8 address transportation section emissions, goals, 8.1, 7.3, 9.10 and 11.12 address water sector emissions, and goals 7.6, 7.7, 7.6, and 7.7 address waste sector emissions in addition to other goals 3.1, 3.3., 3.7, and 3.8 that address land use and neighborhood design and improve opportunities for pedestrian, bicycle, and transit use.

The Project site is zoned Manufacturing with a General Plan land use designation of Industrial under the 2040 General Plan. The future emissions estimate of the Sustainable Beaumont Plan therefore account for the implementation of the Project as it is consistent with the 2040 General Plan. Energy stored in the Project will then be discharged into the grid when the energy is needed, providing important electrical reliability services to the local area. The Project would also store excess energy from the grid to be used when demand is higher. Therefore, the Project would be consistent with the City's Sustainable Beaumont Plan and impacts would be less than significant.

Based on the considerations previously outlined, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and no mitigation is required. Therefore, the Project's impact associated with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs would be less than significant.

The GP EIR determined impacts resulting from conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs would not occur. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR and would not result in project-specific peculiar impacts not identified in the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.9 Hazards and Hazardous Materials

The following study has been prepared for the Project in relation to hazards and hazardous materials and has been incorporated into the below discussion:

- A Phase I Environmental Site Assessment Report (Appendix E) was prepared for the Project by Partner Engineering and Science Inc, dated March 19, 2021

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

The GP EIR concluded this impact to be less than significant. The transport, storage, use, and disposal of hazardous materials and wastes is extensively regulated by federal, state, and local policies, which provide a high level of protection to the public. The City enforces disclosure laws though Municipal Code 17.04.040, such as the Hazardous Materials Transportation Act, Resource Conservation and Recovery Act, Hazardous Waste Control Law, California Code of Regulations (CCR) Title 22, Business Plan Act, CCR Title 26, and Municipal Code Section 14.04, that require users, producers, and transporters of hazardous materials and wastes to clearly identify the materials that they store, use, or transport and to notify the appropriate city, county, state, and federal agencies in the event of a violation. By recognizing these hazards and ensuring that an educated public is able to work with city officials to minimize risks associated with hazardous materials, safe conditions can be maintained throughout the City.

The Riverside County Department of Environmental Health (DEH) is the Certified Unified Program Agency for Riverside County and is responsible for consolidating, coordinating, and making consistent the administrative requirements, permits, inspections, and enforcement activities of state standards regarding the transportation, use, and disposal of hazardous materials in Riverside County, of which the City is a part. Riverside County DEH implements the hazardous materials business plans that include an inventory of hazardous materials used, handled, or stored at any business in the City. DEH is also responsible for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, aboveground storage tanks, and stationary sources handling regulated substances. GP Policy 9.11.2 requires an assessment of hazardous materials as part of environmental review and/or the approval of a hazardous management and disposal plan as a condition of project approval subject to review by DEH (City of Beaumont 2020b).

Because projects, including the Project, undertaken pursuant to the GP will be required to comply with existing regulations, standards, and GP Policy 9.11.2, Policy 9.11.5 (prohibits the placement of new facilities involved with use storage, transport, or disposal hazardous materials near existing sensitive land uses), Implementation action S30 (requires the City of develop and maintain an inventory of hazardous materials used by businesses in the City), and Implementation Action S31 (requires the City to maintain a public record of hazardous materials sites and a timetable for the expected remediation), Project impacts regarding hazards to the public or environment through the routine use transport, use, or disposal of hazardous materials are considered to be less than significant (City of Beaumont 2020a).

Under normal operations, BESS facilities do not store or generate hazardous materials in quantities that would represent a risk to off-site receptors. In addition, the Project's preventative measures and state-of-

the-art fire and safety systems, as described further below, make an accident condition very rare. Nevertheless, because lithium-ion BESS facilities do store energy, a battery thermal runaway can occur if a cell, or area within a cell, achieves elevated temperatures due to thermal failure, mechanical failure, internal/external short circuiting, and electrochemical abuse.

As previously stated, the Project's preventative measures, and state-of-the-art fire and safety systems, make a thermal runaway event very rare. The Project would utilize pre-engineered battery storage systems listed under UL 9540 pursuant to the 2019 California Fire Code. UL 9540 contains safety standards for the system's construction (e.g., frame and enclosure, including mounting, supporting materials, barriers and more); the insulation, wiring, switches, transformers, spacing and grounding; safety standards for performance of over twenty different elements, such as tests for temperature, volatility, impact, overload of switches, and an impact drop test; and standards for manufacturing, ratings, markings, and instruction manuals. In addition to the many individual standards referenced, UL 9540 compliance requires a Failure Mode and Effects Analysis (FMEA) be performed and requires a test to ensure safe compatibility of the system's parts. This includes the UL1973 standard, in which a battery manufacturer must prove that a failed cell inside will not cause a fire outside the system. The Project would meet the UL9540 and industry standards for adequate separations, cascading protections, and suppression systems to limit failure to a single cell.

The 2019 California Fire Code also requires that all BESS use an Energy Management System for monitoring and balancing cell voltages, currents and temperatures. The system must transmit an alarm signal if potentially hazardous temperatures or other conditions such as short circuits, over voltage or under voltage, are detected. The fire code also requires the use of appropriate fire-extinguishing and smoke detection systems, which will be incorporated into each of the Project's BESS enclosures.

Consistent with GP Policy 9.11.2, the Project has prepared a Phase I Environmental Site Assessment (ESA) (Appendix E). The Phase I ESA found no spills, stains, or other indications that a surficial release has occurred at the site. Additionally, no contamination by hazardous substances or petroleum products has affected the Project site. Further, no potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the site (Appendix E). Thus, based on the findings of the Phase I ESA and with compliance and enforcement of existing laws and regulations concerning the upset and/or accidental release of hazardous materials, impacts would be less than significant. The potential for the chemicals in the batteries to catch fire is discussed below in the section on fire hazards.

The GP EIR determined impacts involving the routine transport, use, or disposal of hazardous materials to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. The transport, storage, and use of hazardous materials by developers, contractors, business owners, and others are required to comply with federal, state, and local regulations during project construction and operation. Facilities that use hazardous materials are required to obtain permits from the EPA under the Resource Conservation and Recovery Act,

which gives the EPA the authority to control the generation, transportation, treatment, storage, and disposal of hazardous waste. Additionally, the hazardous materials regulations included in federal law govern the transportation of hazardous materials. The Federal Motor Carrier Safety Administration issues regulations concerning highway routing of hazardous materials, hazardous materials endorsements for a commercial driver's license, highway hazardous material safety permits, and financial responsibility requirements for motor carriers of hazardous materials. Locally, the Riverside County Department of Environmental Health (DEH) is the Certified Unified Program Agency (CUPA) for Riverside County and is responsible for consolidating, coordinating, and making consistent the administrative requirements, permits, inspections, and enforcement activities of state standards regarding the transportation, use, and disposal of hazardous materials in Riverside County.

To address potential accidental exposure of individuals as a consequence of unknown existing environmental contaminants, GP Policy 9.11.2 requires an assessment of hazardous materials as part of environmental review. Compliance with and enforcement of existing laws and regulations concerning the upset and/or accidental release of hazardous materials into the environment including but not limited to Chemical Accident Prevention Provision, which requires companies that use certain hazardous materials to develop a Risk Management Program; the Resource Conservation and Recovery Act, which requires infrastructure at the state and local levels to plan for chemical emergencies; and the California Health and Safety Code, which provides threshold quantities for regulated hazardous substances and the establishment of Hazardous Materials Release Response Plans, supported by GP Policies 9.11.2 through 9.11.9 and Implementation actions S29 through S31, will ensure that the general public will not be exposed to any unusual or excessive risks related to accidental upset and/or release of hazardous materials into the environment (City of Beaumont 2020a).

Under normal operations, battery energy storage system facilities do not store or generate hazardous materials in quantities that would represent a risk to off-site receptors. In addition, the Project's preventative measures and state-of-the-art integrated operational management systems, fire, and safety systems, such as HVAC systems, ventilation, gas, heat and smoke detection and alarms, and fire suppression systems, make an accident condition very rare and they are designed to limit a credible thermal runaway event to the cell level. See additional discussion of fire suppression in the Wildfire section below. The Project also will comply with the above regulations, as applicable. As discussed in Section 3.9(a), the Project would be consistent with GP Policy 9.11.2, with preparation a Phase I ESA Report. The Phase I ESA found no spills, stains, or other indications that a surficial release has occurred at the site. Additionally, no contamination by hazardous substances or petroleum products has affected the Project site. Further, no potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the site (Appendix E). Thus, based on the findings of the Phase I ESA and with compliance with applicable federal, state, and local regulations regarding the transport, storage, and use of hazardous materials during project construction and operation, impacts would be less than significant.

The GP EIR determined impacts involving upset and/or accidental release of hazardous materials to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The nearest schools to the Project site are Beaumont Adult School and San Gorgonio Middle School (1591 Cherry Avenue), located approximately 2 miles north of the site. Thus, the Project would not be located within one-quarter mile of a school. Hazardous materials handled on site during construction activities would comply with applicable hazardous materials regulations to reduce potential impacts. Refer to thresholds a and b for further details. The Project proposes development of an energy storage facility which would discharge into the grid when energy is needed, providing important electrical reliability services to the local area. The Project would be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings habitable structures. Any potential hazardous substance used on site would be related to future maintenance activities and would adhere to applicable regulations regarding hazardous materials.

Therefore, because the Project would not be located within one-quarter mile of a school, would not conflict with GP Policy 9.11.5, and would adhere to applicable regulations regarding the handling and use of hazardous materials, impacts would be less than significant.

The GP EIR determined impacts involving emissions within one-quarter mile of a school to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The Project site is not included on any hazardous waste site lists, including the California Department of Toxic Substances Control's EnviroStor database, the State Water Resources Control Board's GeoTracker site, the Cortese list, or other lists compiled pursuant to Section 65962.5 of the Government Code (CalEPA 2021; DTSC 2021; SWRCB 2021). As determined in the Phase I ESA Report, the Project site contains no evidence of former aboveground or underground hazardous substances or petroleum product storage tanks (Appendix E). Thus, no impact would occur.

The GP EIR determined impacts involving a site that is included on a hazardous materials site to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. There are no airports within the City. The closest airport to the City is the Banning Municipal Airport, located in the City of Banning approximately five miles to the east of the City.

The Project site is located approximately seven miles west of Banning Municipal Airport. Thus, the Project site is not located within an airport land use plan. No impact would not occur.

The GP EIR determined impacts involving a safety hazard or excessive noise to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Major evacuation routes that would be used in the event of an emergency are shown on Figure 9.2 in the GP (City of Beaumont 2020b). These routes include Interstate (I)-10, State Route (SR)-60, Brookside Avenue, Oak Valley Parkway, Highland Springs Avenue, and Beaumont Avenue. The GP includes a planned extension of Potrero Road eastward to connect to Highland Springs Avenue. After the completion of the extension, Potrero Boulevard shall be designated as an evacuation route as well. The Mobility Element of the GP provides for appropriate access and circulation throughout the City and allows for appropriate access for rapid response for emergency situations and routes for evacuation purposes.

Goals and Policies in the GP, including Goals 9.3 and 9.4 and Policies 9.3.1 through 9.3.6, 9.4.5, and 9.4.6, provide for effective emergency responses, protection from natural and man-made disasters, and public education related to emergency conditions and emergency preparedness, response, and evaluation plans. As discussed in the GP EIR, future projects would be reviewed for adequate infrastructure and access as well as consistency with adopted emergency and evacuation plans among many other environmental issues in order to ensure the safety of City residents and the physical environment (City of Beaumont 2020a).

The closest evacuation route to the Project site would be I-10, with the nearest on-ramp located approximately 0.8-miles east of the site. Construction of the Project is not anticipated to result in road closures. In the event of an emergency, emergency personnel would be able to access the roads surrounding the Project site as well as access the Project site. Thus, with adherence to the goals and policies of the GP, impacts would be less than significant.

The GP EIR determined impacts resulting in impaired implementation with an adopted emergency response plan or emergency evacuation plan to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified

within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

As shown in Figure 9.3, Fire Hazard Severity Zone, in the GP, the Project site is not located within a fire hazard severity zone. Land directly west of the Project site is located in a very high hazard severity zone (City of Beaumont 2020b). The Project would be operated remotely with no permanent on-site operations and no occupied buildings or habitable structures. As described further in Section 3.20, the project will include current best practices for fire safety. The batteries would be subject to compliance with existing federal, state, and local regulations for health and safety, the battery storage would contain a safety system that would include a fire detection and suppression control system that would be triggered automatically when the system senses imminent fire danger, and the fire suppression system inside each enclosure will shut down the unit if any hazard indicators are detected. In the event of an emergency, Beaumont ESS, LLC would be immediately alerted through the remote monitoring system, which includes temperature sensors within the equipment that is monitored 24 hours a day, seven days a week. Upon learning of an emergency situation, Beaumont ESS, LLC would immediately notify the proper authorities. The Project would adhere to applicable requirements set forth by the 2019 California Fire Code adopted by the City's Code of Ordinances (City of Beaumont 2021). Furthermore, municipal water supply will be extended to the Project for fire protection. Municipal water is anticipated to be extended to the Project from a proposed fire hydrant that will be added along Veile Avenue within the Project right-of-way. The extension of municipal water to the Project is pending further consultation with the Riverside County Fire Department and will be refined during final design of the Project. To ensure that the Riverside County Fire Department is familiar with the Project and its equipment, Beaumont ESS, LLC will be conducting an on-site training with firefighters prior to operation.

The GP EIR determined impacts associated with wildland fires to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR. See also Section 3.20.

3.10 Hydrology and Water Quality

The following study has been prepared for the Project in relation to hydrology and water quality and has been incorporated into the below discussion:

- A Water Quality Management Plan (Appendix F) was prepared for the Project by Westwood Professional Services, dated March 31, 2021.

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

The GP EIR concluded this impact to be less than significant. Water quality standards for groundwaters and surface waters of the region are established in the Regional Water Quality Control Board (RWQCB) Basin

Plan (Basin Plan). The RWQCB regulates waste discharges to minimize and control their effects on the quality of the region's groundwater and surface water. Permits are issued under a number of programs and authorities including, wastewater treatment plants and recycled water. Projects greater than or equal to one acre in size would be required to comply with the current National Pollutant Discharge Elimination System (NPDES) Statewide Construction General Permit (CGP), which also includes Waste Discharge Requirements (WDRs) for discharges of stormwater runoff associated with construction and land disturbance activities. The CGP requires preparation of an effective SWPPP, which describes targeted erosion and sediment control best management practices (BMPs) to prevent stormwater pollution during construction. This is consistent with policies and implementation measures of Goal 7.5 in the GP, which will minimize pollutant discharges (Policy 7.5.3), require construction site inspections of erosion control measures (Implementation CFI23), and provide education to the public about stormwater pollution (Policy 7.4.4 and Implementation CFI6). Further, Policy 3.12.3 controls grading practices to minimize the potential for erosion consistent with Title 13 of the City's Municipal Code ("Stormwater/Urban Runoff Management and Discharge Controls"). Consequently, through compliance with the goals, policies, and implementation measures of the GP, compliance with the City's Municipal Code requirements for erosion control, and the existing regulatory requirements of the NPDES Statewide CGP, construction of future projects in the City will not violate water quality standards or WDRs.

Pursuant to the Riverside County Municipal Separate Storm Sewer System (MS4) NPDES Permit, qualifying new development and large redevelopment projects are required by the City to prepare a Water Quality Management Plan (WQMP) or similar demonstration of post-construction methods to mitigate downstream impacts to flooding and water quality (City of Beaumont 2020a). The Preliminary WQMP has been included as Appendix F.

Project grading and construction would be completed in accordance the SWPPP, which would include standard BMPs to reduce potential off-site water quality impacts related to erosion and incidental spills of petroleum products and hazardous substances from equipment. Additionally, as detailed in the WQMP prepared for the Project, surface water runoff during project operations would be managed through a mixture of strategies that would be designed to remove pollutants from on-site runoff prior to discharge into the storm drain system to the maximum extent practicable, as required by MS4 (Appendix F). Therefore, the Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality and water quality impacts would be less than significant.

The GP EIR determined impacts associated with groundwater quality to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR

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

The Project would not propose groundwater extraction during construction or operational activities. As discussed in this section, the Project would be accounted for in the projected growth of the City because the General Plan assumes the site will be developed for industrial uses and the GP EIR determined that

development in the City through 2040 would result in a less than significant impact with respect to groundwater supplies. It is therefore follows that this project would not result in a significant increase of water use in the City. Approximately 9 acre-feet of water is anticipated to be required during the duration of construction. Water will be provided through a temporary use agreement with a local water purveyor.

Additionally, with continued adherence to GP goals, policies, and implementation action support efforts that are aligned with sustainable groundwater management, including protecting and monitoring water quality, increasing opportunities for recharge, and funding existing and future water facilities, impacts would be less than significant.

The GP EIR determined impacts associated with groundwater supplies or recharge to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

i) result in substantial erosion or siltation on or off site;

The GP EIR concluded this impact to be less than significant. Substantial erosion or siltation is known to result during construction and/or during the post-construction phase if erosion control measures are not used. Erosion or siltation can also occur in the post-construction phase if runoff is not captured and conveyed appropriately. Projects of the GP will be subject to NPDES permit requirements that address the control of erosion and siltation. This includes the CGP which requires for projects greater than one acre in size (or part of a larger plan of development) a SWPPP and the effective implementation of erosion control measures. The Santa Ana RWQCB conducts inspections and enforces the CGP at construction sites. Implementing projects of the GP will also be subject to the post-construction requirements of the MS4 NPDES permit. This includes preparation of a project specific WQMP and drainage study for review and approval by the City prior to issuance of a grading permit(s). The WQMP ensures that implementing project designs have incorporated current LID methods (or adequately demonstrated why LID will not be feasible) for the effective treatment of pollutants of concern in stormwater runoff from a design storm event. Project-specific drainage studies will demonstrate the pre- and post-construction hydrology and hydraulics of implementing projects, and how the Project and any incorporated elements, such as such detention basins, will ensure that adverse downstream impacts to receiving waters and/or receiving drainage facilities have been mitigated for and will not occur. As discussed in the GP EIR, the control of erosion that may result from implementing projects of the GP is already a highly regulated, monitored, and enforced system. GP Policies will provide residents, project applicants, and the City the tools to comply with existing regulations that address erosion and siltation from the addition of impervious surfaces and alteration of existing drainage patterns (City of Beaumont 2020a).

Project grading and construction would be completed in accordance the SWPPP. Inclusion of Project BMPs would reduce erosion and siltation from the Project site occurring from construction

activities. In addition, the Project site is located within a moderately developed area, with industrial and residential land uses surrounding the Project site; as such, the development of the Project would not cause a significant change to surface bodies of water in a manner that could cause siltation or erosion with the development of a SWPPP and adherence to best management practices. Please also see the Project's Water Quality Management Plan for further detail on how the Project will minimize erosion and siltation. Upon completion of construction, the Project would introduce more impervious area to the site; thus, the Project would reduce potential erosion or siltation from occurring on the site. Additionally, as detailed in the WQMP prepared for the Project, to reduce erosion, a gravel pad shall be placed at each inlet point in the bioretention facilities of the site. Further, landscaping would be included as part of the Project to minimize erosion (Appendix F). Therefore, impacts would be less than significant.

Through implementation of GP goals, policies, and implementation actions and existing regulations, erosional/siltation impacts from changes to the existing drainage patterns and increasing imperviousness as a result of the Project would be less than significant.

The GP EIR determined impacts associated with erosion or siltation to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site;

The GP EIR concluded this impact to be less than significant. Flooding can occur from an increase in imperviousness which increases the volume and speed of runoff. When the volume and speed of runoff is increased, drainage facilities become inadequate to handle the flows and capacity is exceeded. Riverside County Flood Control and Water Conservation District operates and maintains a network of flood control facilities in the City. The City is responsible for smaller drainage facilities, typically those that are less than 36 inches in diameter. Project contributions to RCFCWCD facilities must also be analyzed and mitigated for by each project, taking into account buildout of the entire area tributary to that same drainage facility. WQMPs will be required for qualifying projects to demonstrate to the satisfaction of the City, the benefit of decreasing the area of imperviousness by incorporating LID methods into the drainage system by slowing on- and off-site flow rates and decrease flooding. WQMPs will also evaluate methods of on-site retention of runoff, such as cisterns, rain barrels, and basins which allow for a metered release of flows, typically after the rain event has passed, when capacity becomes available in the downstream pipes and channels. GP Goal 7.4 includes policies to provide adequate stormwater infrastructure for flood control, and reduce run-off quantity (Policy 7.4.1 and 7.4.3). The policies of Goal 7.5 will manage and effectively treat stormwater to minimize risk to downstream resources including drainage studies and WQMPs for new developments (Policy 7.5.5). Implementation measures CFI9 will develop an ADP with the flood control district to accompany the existing master drainage plan. The policies of Goal 9.8 will reduce potential flood hazards in the City by updating flood maps, restricting development in flood hazard areas, and requiring new development to mitigate potential flooding and adverse impacts to adjacent properties (Policy 9.8.4). City Municipal Code Chapters 8.32, 13.24, 15.24 and 16.44

include measures to address the avoidance and minimization of flooding, as well as proper design and planning for flood control facilities (City of Beaumont 2020a).

As discussed in threshold c(i), the Project would increase the amount of impervious surfaces on the Project site and inevitably alter the existing on-site drainage pattern. As detailed in the WQMP, runoff generated by the Project site would be collected by proposed bioretention basins installed on the downstream sides of the Project, which would capture the peak runoff rates. Additionally, through implementation of GP goals, policies, and implementation actions and existing regulations, flooding impacts from changes to the existing drainage patterns and increasing imperviousness as a result of the Project would be less than significant.

The GP EIR determined impacts associated with surface runoff which would result in flooding on or off site to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

The GP EIR concluded this impact to be less than significant. Refer to previous threshold c(ii) for discussion of existing regional stormwater drainage facilities and pollutants in runoff water. GP policies will support practices that promote LID, prevention of urban runoff and mitigation of industrial pollution, and distribute information on how to reduce or eliminate surface and groundwater contamination. Implementation action CFI2 includes updating ordinances to enable innovative stormwater capture and reuse systems and CFI8 will develop standards for use of LID (City of Beaumont 2020a).

As discussed in threshold c(i), the Project would increase the amount of impervious surfaces on the Project site and inevitably alter the existing on-site drainage pattern. As detailed in the WQMP, runoff generated by the Project site would be collected by proposed bioretention basins installed on the downstream sides of the Project, which would eventually discharge into the City's storm drain system. Further, through implementation of GP goals, policies, and implementation actions, the Project would not exceed the capacity of drainage systems or provide substantial additional sources of polluted runoff. Therefore, impacts would be less than significant.

The GP EIR determined impacts associated with stormwater drainage systems to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

iv) impede or redirect flood flows?

The GP EIR concluded this impact to be less than significant. Figure 9.8, Flood Hazards, in the GP, show Federal Emergency Management Agency (FEMA)-designated 100-year and 500-year flood hazard zones within the City (City of Beaumont 2020b). With continued development of regional drainage facilities pursuant to the Beaumont Master Drainage Plan, these flood hazard areas are expected to decrease (City of Beaumont 2020a).

As shown in Figure 9.8 in the GP, the Project site is located within a 500-year floodplain (City of Beaumont 2020b). However, the Project would be required to incorporate flood control methods to minimize the risk to life and property pursuant to current regulations, City Municipal Code, and applicable GP goals, policies, and implementation actions as applicable. Therefore, impacts would be less than significant.

The GP EIR determined impacts associated with flood flows to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Figure 9.8, Flood Hazards, in the GP, show Federal Emergency Management Agency (FEMA)-designated 100-year and 500-year flood hazard zones within the City (City of Beaumont 2020b). Regulations of the City's Municipal Code chapter 15.24 (Floodplain Management) restrict land uses that are dangerous to health, safety, and property due to water or erosion hazards and require land uses vulnerable to flood be protected against flood damage at the time of initial construction (City of Beaumont 2021). Further, GP Policy 6.7.1 prohibit new non-residential uses that are known to release or emit toxic waste at levels that are harmful to human health while continuing to allow necessary services. Future implementing projects will be required to incorporate flood control methods to minimize the risk to life and property pursuant to current regulations, City Municipal Code, and applicable GP goals, policies, and implementation actions. The City is located approximately 52 miles from the nearest Pacific Ocean. Therefore, the City is too far away from the nearest ocean to have any meaningful tsunami risk. Seiches can occur in bodies of water both near and far from an earthquake epicenter. Seiches as a result of ground shaking could occur in the region that may adversely impact property owners down-gradient from these bodies of water. Pursuant to GP goals, policies, and implementation, future projects will be required to mitigate potential flooding, such as preventing adverse drainage impacts to adjacent properties and the adequate siting of structures located within flood plains (City of Beaumont 2020a).

The Project site is located within the boundaries of the City which is located approximately 52 miles from the Pacific Ocean. Because of the Project's inland location, relatively flat topography, and lack of an adjacent perennial body of water, the Project site would not be susceptible to tsunami or seiche. Additionally, as shown in Figure 9.8 in the GP, the Project site is located within a 500-year floodplain (City of Beaumont 2020b). However, the Project would be required to incorporate flood control methods to minimize the risk to life and property pursuant to current regulations, City Municipal Code, and applicable GP goals, policies, and implementation actions as applicable. Therefore, impacts would be less than significant.

The GP EIR determined impacts associated with release of pollutants due to flood hazard, tsunami, or seiche zones to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

The GP EIR concluded this impact to be less than significant. The local water quality control plan (Basin Plan) is maintained by the Santa Ana RWQCB (updated June 2019) (City of Beaumont 2020a). The Basin Plan specifies the state's water quality standards (i.e., beneficial uses, water quality objectives, and antidegradation policy) and serves as the basis for the RWQCB's regulatory programs. When permittees and projects comply with the provisions of applicable NPDES permits and water quality permitting they are consistent with the Basin Plan. GP Policies include measures to implement NPDES requirements and enforcement of regulations, such as inspecting construction sites.

Much of the City overlies the Beaumont Basin, which is managed by the Beaumont Basin Watermaster Committee, of which the City is a member. The Watermaster operates under the Judgment and the Rules and Regulations, which were originally adopted June 8, 2004, and subsequently amended in 2006 and 2008. The Judgment and the Rules and Regulations establish the procedures by which Watermaster accounts for the water resources of the Basin. Watermaster has the power to collect administrative assessments from all Appropriators and replenishment assessments from those parties (Appropriative and Overlying) pumping in excess of their pumping right to fund its operations. Each year, Watermaster publishes an Annual Report, which documents production and recharge activities in the Beaumont Basin. Under the Judgment, the Watermaster is granted discretionary powers to develop and implement a groundwater management plan for the Beaumont Basin. The Watermaster is responsible for providing the legal and practical means of ensuring that the waters of the Basin are put to maximum beneficial use. The GP includes policies to support the monitoring, protection, and development of groundwater resources which is consistent with the tasks of the Watermaster. The surrounding groundwater basins in the City are not subject to a management plan currently. Pursuant to SGMA, the surrounding groundwater basins will be managed beginning 2022 by state-approved GSAs following a state-approved GSP. A GSP details the plan for how groundwater basins will reach long-term sustainability (City of Beaumont 2020a).

Pursuant to the GP, the Project is subject to policies that support monitoring, protection, and development of groundwater resources. As such, the Project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan and impacts would be less than significant.

The GP EIR determined impacts resulting from conflict or obstruction of a water quality control plan or sustainable groundwater management plan to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.11 Land Use and Planning

a) Would the project physically divide an established community?

The Project site is at 248 Veile Avenue, Beaumont, California 92223 (refer to Figure 1). The site encompasses approximately 7 acres of vacant, previously disturbed property designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing) (please refer to Figures 2, 3, and 4). Industrial uses, like the Project, are anticipated on the Project site. The Project site is partially fenced and is surrounded on the north, south and west by commercial and industrial uses. There are low density residential uses along the eastern boundary. The Project site is not used as a connection between two established communities. Instead, connectivity in the surrounding project area is facilitated via local roadways and pedestrian facilities. Thus, impacts would not occur.

As previously discussed, the GP EIR determined impacts resulting from the division of an established community to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The Project site is designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing) (please refer to Figures 3 and 4). Battery storage and the switchyard tie into the grid is considered an energy storage facility use and is permitted by right in the M zoning district with a plot plan permit. The project will comply with all policies and ordinances of the City, including Chapter 17.11.160 Energy Storage Facilities, therefore there is no impact on land use.

The Project site is located within the MSHCP Plan Area. However, the Project site is not subject to any other adopted HCP, please refer to section 3.4 Biological Resources.

The GP EIR determined impacts resulting from a conflict with any land use plan, policy, or regulation to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.12 Mineral Resources

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

The City does not contain any "locally important mineral resource recovery sites." Although the current Zoning Ordinance has a Mineral Resources Overlay Zone (Section 17.03.160), neither the GP, existing Zoning Map, nor any specific plan within the City identifies a locally important mineral resource recovery site (City of Beaumont 2020a).

The City has no known or identified mineral resources of regional or statewide importance. The upper portion of the City is located in Mineral Resource Zone (MRZ)-3 where the significance of mineral deposits is undetermined; the lower portion of the City is located either in MRZ-3 or in an unstudied area (no MRZ designation issued) (City of Beaumont 2020a). As provided in the GP EIR, where no mineral resource information is available (e.g., MRZ-3 and unstudied areas), no impacts to "known mineral resources" would occur.

According to the California Department of Conservation (DOC), the Project site is located in an MRZ-3 area, which is consistent with the mineral zone designation for the upper portion of the City (DOC 2015). Given the size of the project site and the surrounding developed land uses, extraction of mineral resources on-site would be unlikely. Furthermore, Mineral resource mining is not a compatible use with existing surrounding land uses. Thus, impacts would be less than significant.

The GP EIR determined impacts on mineral resources to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

As discussed in response to threshold a) above, the GP EIR concluded this impact to be less than significant. The City does not contain any "locally important mineral resource recovery sites." Although the current Zoning Ordinance has a Mineral Resources Overlay Zone (Section 17.03.160), neither the GP, existing Zoning Map, nor any specific plan within the City identifies a locally important mineral resource recovery site (City of Beaumont 2020a).

The Project would not propose mineral resource extraction activities. Additionally, as discussed in threshold a, mineral resource mining is not a compatible use with existing surrounding land uses. Therefore, impacts would not occur.

The GP EIR determined impacts on mineral resource recovery sites to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.13 Noise

The following study has been prepared for the Project in relation to noise and incorporated into the below discussion:

- A Noise Impact Analysis (Appendix G) was prepared for the Project by Vista Environmental, dated February 24, 2021

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

The GP EIR concluded this impact to be significant and unavoidable. Noise levels at new noise-sensitive receptors in the City would be compared to the City's compatibility standards to determine if additional noise reduction features are necessary. Noise impacts from new development will be mitigated on a project-level basis through the use of appropriate location-specific design and engineering techniques, including building setbacks, appropriate building siting, sound barriers, and sound attenuating construction techniques. Therefore, the use of such techniques in new development in Beaumont would maintain an acceptable noise environment.

Implementation of GP Policies 10.1.2, 10.1.3, 10.1.4, 10.1.5, 10.31.8, 10.2.1, 10.2.2, 10.2.3, 10.2.4, 10.2.5, 10.2.6, and 10.2.7 and Implementation actions N2, N3, N5, and N10 would ensure that noise impacts are considered as individual development projects and transportation improvements are proposed; and, if necessary, appropriate, site-specific noise attenuation techniques are incorporated into future development and transportation project designs. Also as depicted in Table 5.12-H of the GP EIR, the existing noise levels for sensitive receptors around the studied roadways indicates that the City's noise standard of 55 dBA for daytime exterior noise level as well as the state standard of 65 dBA for daytime exterior noise levels may be exceeded for existing receptors. Therefore, since the existing conditions already exceed the City and state noise standards, as well as exceeding acceptable noise increase standards from FTA, impacts from permanent noise are considered significant and unavoidable (City of Beaumont 2020a).

The City has adopted specific standards for construction noise under Title 9 Public Peace, Morals and Welfare, Chapter 9.02, Noise Control. Section 9.02.110(F) of the City's Municipal Code specifically exempts noise sources associated with landscape maintenance, construction, including erection, excavation, demolition, alteration, or repair of any structure or improvement, provided that such activities do not take place between the hours of 6 p.m. and 7 a.m. However, sound levels are not permitted to exceed 55 dBA for more than 15 minutes per hour, as measured in the interior of the nearest occupied residence or school. Typical construction in California generally provides a reduction of exterior-to-interior noise levels of about 25 dBA with closed windows. As discussed in the GP EIR, construction equipment noise levels could reach up to 89 dBA 50 feet from the source. With the typical 25 dBA reduction of exterior-to-interior noise level, this would equate to up to a 64 dBA interior noise level, which would exceed City standards. GP Implementation action N2, which requires project-specific acoustical studies, and Implementation actions N7, N8, and N9, which set forth standards for the operation of construction equipment, require equipment staging areas to be located to as far away for noise sensitive receptors as feasible, and incorporation noise attenuation measures such as temporary bound barriers during certain construction phases (City of Beaumont 2020a).

Project Construction-Related Nosie

Noise impacts from construction activities associated with the Project would be a function of the noise generated by construction equipment, equipment location, sensitivity of nearby land uses, and the timing and duration of the construction activities. The Noise Impact Analysis prepared for the Project found that the nearest sensitive receptors to the Project site would be single-family homes on the east side of the Project site, where the nearest residential structure is approximately 120 feet east of the Project site.

Section 9.02.110(F) of the City's Municipal Code allows construction noise to exceed the City noise standards provided that construction activities occur between 7:00 a.m. and 6:00 p.m. on the condition that construction noise does not exceed 55 dB(A) for intervals of more than 15 minutes per hour at the interior of the nearest occupied residence.

Construction noise levels at the exterior of the nearest homes have been calculated through use of the RCNM and the parameters and assumptions detailed in the Noise Impact Analysis with implementation of Project Design Feature (PDF) 1, which requires placement of acoustical blankets on the east side of any stationary equipment utilized during construction of the Project. It is industry accepted practice to assume that a single-family home with the windows closed provides 20 dB exterior to interior noise reduction. With implementation of PDF 1, the noise levels from all phase of construction would be below the City's construction noise threshold of 55 dBA at the interior of the nearest homes to the east (Appendix G). Therefore, with implementation of PDF 1 and the construction time restrictions detailed in Section 9.02.110(F) of the City's Municipal Code, construction noise impacts would meet City ordinance and be less than significant.

Project Operational-Related Noise

As discussed in the Noise Impact Analysis, the Project would consist of the development and operation of a battery energy storage facility. The Project would create operational noise from the proposed on-site equipment. Section 9.02.110(G) of the City's Municipal Code limits noise created from machinery, equipment, fans and air conditioning equipment to the Base Ambient Noise Level (BANL) plus 5 dBA. Section 9.02.050 of the City's Municipal Code defines the BANL for industrial land uses as 75 dBA between 7:00 a.m. and 10:00 p.m. and 50 dBA between 10:00 p.m. and 7:00 a.m. As such, the resultant noise standard is 80 dBA between 7:00 a.m. and 10:00 p.m. and 55 dBA between 10:00 p.m. and 7:00 a.m.

It should be noted that Section 9.02.130 of the Municipal Code details the application of the noise standards between land use zones and details that "A use lying adjacent to a zone with a more restrictive noise requirement hereunder shall not be required to conform to that more restrictive requirement." As such, since the Project site is zoned Manufacturing (M), the industrial land use BANL is the appropriate standard to use for all adjacent land uses, including the residential uses to the east.

As detailed in the Noise Impact Analysis, noise levels at the nearby properties were calculated through use of the SoundPlan model that includes implementation of PDF 2 that requires construction of a minimum 6-foot-high wall on the west side of the Project site on Veile Avenue, and a minimum 9-foot-high wall on the east side of the Project site along Elm Avenue The Project proposes an 8-foot-high wall on the north, south, and west sides of the Project and a 9-foot-high wall on the east side of the Project. Findings from the Noise Impact Analysis show that operational noise levels created by the Project would be within the City's daytime and nighttime noise standards at the nearby receptors (Appendix G). Therefore, the Project would not result in a substantial permanent increase in ambient noise levels from on-site noise sources. Impacts would be less than significant.

The GP EIR determined impacts involving temporary or permanent increase in ambient noise to be significant and unavoidable. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-

specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

The GP EIR concluded this impact to be less than significant. Per Section 9.02.110(F) of the City's Municipal Code, whenever a construction site is within one-quarter of a mile of an occupied residence or residences, no construction activities shall be undertaken between the hours of 6:00 p.m. and 6:00 a.m. during the months of June through September and between the hours of 6:00 p.m. and 7:00 a.m. during the months of October through May. Exceptions to the standards shall be allowed only with the written consent of the building official. These restrictions on hours of construction would keep most construction activities from exceeding 72 VdB at the nearest sensitive receptor and interfering with people's sleep. The Noise Element of the GP includes Policies 10.2.8 and 10.2.9 and Implementation action N6 to reduce impacts associated with vibration from transportation and construction vibration, Implementation N2 requires acoustical studies, which could include an analysis of groundborne vibration and identify project-specific mitigation measures as needed. Compliance with the applicable provisions of Chapter 9.02 of the City's Municipal Code and GP policies and implementation actions listed above would limit construction hours, identify appropriate project-specific mitigation, and reduce construction-related vibration impacts (City of Beaumont 2020a).

The Noise Impact Analysis prepared for the Project identified the nearest off-site structures that are susceptible to vibration as single-family homes located on the east side of the Project site, where the nearest residential structure is approximately 120 feet away from the Project site. Since neither the City's Municipal Code nor the GP provides a quantifiable vibration threshold level, Caltrans guidance has been utilized, which defines the threshold of perception from transient sources at 0.25 inch per second peak particle velocity (PPV). Refer to Appendix G for further details.

The primary source of vibration during construction would be from the operation of a vibratory roller. A vibratory roller would create a vibration level of 0.21 inch per second PPV at 25 feet. Based on typical propagation rates, the vibration level at the nearest off-site structure (120 feet away) would be 0.04 inch per second PPV. The vibration level at the nearest residential structure would be below the 0.25 inch per second PPV threshold detailed above. The Project would consist of the operation of a battery energy storage facility. The on-going operation of the Project would not include the operation of any known vibration sources (Appendix G). Therefore, groundborne vibration or groundborne noise impacts during construction and operation of the Project would be less than significant.

The GP EIR determined impacts involving excessive groundborne vibration or groundborne noise levels to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. No private or public airport is located within two miles of the City. The closest airport is the Banning Municipal Airport, located approximately five miles east of the City. The City is not located in the 55 dBA CNEL, 60 dBA CNEL, or 65 dBA CNEL noise contours of the Banning Municipal Airport (City of Banning 2007) where potential noise impacts would occur.

The only noise within the project during operation will be that of the HVAC units used to keep the interior of the enclosures at operating temperature. The noise levels within the enclosures will be similar to that of a warehouse with air handling equipment used to circulate the cooling air. Nothing in the construction or operation of the facility would expose the maintenance crew to hazardous noise. As noted in the project description, there will be no permanent staff at the site upon completion. There is no potential for hazardous noise levels to be generated by the project, or to affect the project site.

3.14 Population and Housing

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

The Project will be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures. It is anticipated that the limited number of construction workers needed to develop the Project would come from the local labor pool. No residential uses are proposed as part of the Project, and no permanent employees would be required during operations. Therefore, no impacts associated with population growth would occur.

The GP EIR determined impacts on unplanned population growth to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The Project site consists of vacant, previously disturbed property. No residential uses occur on the Project site, and as such, the Project would not remove people or housing from the site. Therefore, no impact associated with the displacement of existing people or housing would occur.

The GP EIR determined impacts resulting from the displacement of people or housing to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.15 Public Services

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

Fire protection?

It is anticipated that future developments in the GP plan area will be constructed in compliance with the California Fire Code as adopted by the City's Municipal Code (MMC 15.20). The City has adopted the 2016 California Fire Code that lists the minimum required fire-flow and flow duration for buildings of different floor areas and construction types. This includes compliance with all applicable fire code and RCFD requirements and standards for construction, access, water mains, fire flow, and fire hydrants. Prior to any site development or future project approvals, all plans will be required to be submitted to the fire marshal for review and verification that they conform to all pertinent fire standards and requirements (City of Beaumont 2020a). The Project will be constructed in accordance with these regulations.

The closest fire station to the Project site is Station 66, located approximately 0.8 miles east of the site. Based on the proximity of the Project site to the existing RCFD facilities, and since the Project site is located in a predominantly developed part of the City that is already within the service area of RCFD, it is anticipated that the Project could be served by RCFD without adversely affecting personnel-to-resident ratios, response times, or other performance objectives. Therefore, impacts would be less than significant.

The GP EIR determined impacts to fire protection services to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

Police protection?

The Project site is located approximately 0.8 miles southwest of the BPD (660 Orange Street). Based on the Project site being located within the service area of the BPD, the proximity of the Project site to the BPD, and the City's ability to meet its goal of 1 sworn officer per 1,000 population, as well as the fact that it will be fully enclosed, have no public access, will be operated remotely and will have private security services available 24 hours per day, seven days per week. It is anticipated that the Project could be served without adversely affecting personnel-to-resident ratios, response times, or other performance objectives. Therefore, impacts would be less than significant.

The GP EIR determined impacts to police protection services to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

Schools?

The GP EIR concluded this impact to be less than significant.

The Project would not directly or indirectly induce population growth in the City. The number of employees hired to construct the Project would be minimal and would likely already reside within the broader project area. Additionally, the Project would be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures resulting in increased population or demand on schools. It is expected that between two to four staff members will visit the site bi-weekly and as needed for maintenance and monitoring. As such, it is not anticipated that people would relocate to the City as a result of the Project, and thus, an increase in school-age children requiring public education is not expected to occur.

The GP EIR determined impacts to schools to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

Parks?

The Project would not result in population growth, and as such, would not increase demands on park and recreation facilities. Therefore, no impact would occur.

The GP EIR determined impacts to parks to be less than significant (refer to Section 3.16[a]). As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

Other public facilities?

The Project would not directly or indirectly increase demand of public facilities. The number of employees hired to construct the Project would be minimal and would likely already reside within the broader project area. Additionally, the Project would be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures resulting in increased population or demand of public facilities. It is expected that between two to four staff members will visit the site bi-weekly and as needed for maintenance and monitoring. As such, it is not anticipated that people would relocate to the City as a result of the Project, and thus, an increase in demand of public facilities.

The GP EIR determined impacts to other public facilities to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.16 Recreation

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

The GP EIR concluded this impact to be less than significant. Development associated with future land uses consistent with the GP will increase population in the form of new residents in the City. These new residents are expected to use park and recreational facilities, and this additional use may result in greater demands on parks and recreational facilities in the City such that deterioration of these facilities could occur or be accelerated.

The GP includes goal, policies, and implementation actions in the Land Use and Community Design, Economic Development, and Health and Environmental Justice chapters to ensure that park and recreational facilities are adequately maintained for existing and future users. Policy 3.6.3 requires project developers to establish mechanisms to adequately maintain new parks and recreational facilities. Policy 3.11.1 requires the maintenance of existing park and recreation facilities in order to facilitate their use. Policy 5.8.3 requires new development to pay its fair share of required improvements, including maintenance costs. Policy 6.3.1 requires the City to partner with Beaumont-Cherry Valley Recreation and Park District (BCVRPD) to provide maintenance and ensure existing park and recreation facilities are in good condition to facilitate their use. Implementation action CFI24, would result in the development of a Parks Master Plan in collaboration with BCVRPD to address deficiencies in park maintenance and existing facilities (City of Beaumont 2020a).

The Project proposes a new battery energy storage facility and thus would not introduce a residential development. As such, the Project would not increase the use of existing parks and recreational facilities such that substantial physical deterioration of recreational facilities would occur or be accelerated. Additionally, due to the anticipated limited number of construction personnel, short-term impacts to local recreational facilities would not occur. Further, upon operation, the Project would be operated remotely with no permanent on-site operations and maintenance personnel. Therefore, impacts would not occur.

The GP EIR determined impacts associated with the increased use of recreational facilities to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. As discussed in threshold a, the GP includes goal, policies, and implementation actions in the Land Use and Community Design, Mobility, Economic Development, and Health and Environmental Justice chapters that will result in construction and/or expansion of parks and recreational facilities. Specifically, Policy 7.9.1 requires the City to continue to implement its park dedication and improvement requirement 5 acres of parkland for every 1,000 persons in conjunction with residential development (City of Beaumont 2020a).

The Project would not induce substantial population growth in the City. Thus, the Project would not increase the demand for recreational facilities. Additionally, the Project would not promote or indirectly induce new development that would require the construction or expansion of recreational facilities. Therefore, impacts would not occur.

The GP EIR determined impacts associated with the construction or expansion of recreational facilities to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.17 Transportation

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

The GP EIR concluded this impact to be less than significant. In summary, the GP provides a comprehensive circulation system that would accommodate increased demand for public transit, bicycle, and pedestrian facilities. The GP is not inconsistent with nor does it conflict with any policies, plans, or programs regarding public transit, roadway, bicycle, golf cart network, or pedestrian facilities or the performance or safety of those facilities. The GP incorporates expanded networks and policies related to supporting transit, bicycles, golf carts, and pedestrians in the City. These networks are consistent with regional and local planning efforts supporting these modes of travel. Additionally, the GP includes policies supporting complete streets (providing accessibility for all users of all ages and abilities) and active transportation (City of Beaumont 2020a).

Under existing conditions, the Project site is undeveloped, disturbed land. The Project site contains no sidewalk along Veile Avenue or Elm Avenue. A Class II bicycle lane borders the site along Veile Avenue. The Project would include improvements to street frontages, including a sidewalk, along Veile Avenue. As such, development of the Project would improve pedestrian facilities. Additionally, because the Project would operate remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures, operational vehicle trips generated because of the Project would be negligible. Consistent with development pursuant to the GP, the Project would not conflict with any policies, plans, or programs regarding public transit, roadway, bicycle, golf cart network, or pedestrian facilities or the performance or safety of those facilities. Impacts would not occur.

The GP EIR determined impacts associated with the conflict with a program, plan, ordinance, or policy to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

The GP EIR concluded this impact to be significant and unavoidable with no feasible mitigation. In December 2018, the California Natural Resources Agency finalized updates to the State CEQA Guidelines,

which included SB 743. SB 743 required OPR and the California Natural Resources Agency to develop alternative methods of measuring transportation impacts under CEQA (SB 743). Section 15064.3 of the updated 2019 CEQA Guidelines provide that transportation impacts of projects are, in general, best measured by evaluating the project's vehicle miles traveled (VMT). To provide guidance for VMT thresholds, OPR recommended residential and office development projects have a VMT ratio of 15% below existing conditions in order to have a less than significant impact (City of Beaumont 2020a).

The Project proposes construction and operation of a battery energy storage facility. Construction of the Project is anticipated to occur over approximately 6 months, and it is expected that on average there will be 30-35 workers on site with a peak daily work force of approximately 45-50. Although construction of the Project would require transport of materials to/from the Project site by heavy equipment, the construction period is considered temporary, and all routine construction-related trips as well as construction worker commutes would cease once construction is complete. Excess cut that cannot be placed on the site will be trucked from the site to a location determined by the construction contractor that is expected to be located within approximately 20 miles of the Project site. The Project would be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures. It is expected that between two to four staff members will visit the site bi-weekly and as needed for maintenance and monitoring. As such, because vehicle trips generated by the Project would be negligible, the Project would not conflict with CEQA Guidelines section 15064.3, subdivision (b). Thus, impacts would be less than significant.

The GP EIR determined impacts associated with the conflict or inconsistency with CEQA Guidelines section 15064.3, subdivision (b) to be significant and unavoidable. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR and would not result in project-specific peculiar impacts not identified in the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. Under the GP, City policies and design standards currently reflect state and federal rules, regulations and standards with respect to roadway design. The GP includes transportation network improvements that would be subject to review and future consideration by the City's Public Works engineering staff. Transportation network improvements would be made in accordance with the City's Mobility Element. The Land Use and Community Design, Mobility, and Health and Environmental Elements include policies to improve the safety of all users of the transportation system in the City.

Policies identified in the GP that support the reduction of hazards or incompatible uses include, but are not limited to: design and construct pedestrian friendly neighborhoods and include features such as short blocks, wide sidewalks, tree-shaded streets, buildings oriented to streets or public spaces, traffic-calming features, convenient pedestrian street crossings, and safe streets that are designed for pedestrians, cyclists and vehicles (Policy 3.7.1); design neighborhoods to emphasize connectivity and promote physical activity, including increased pedestrian access by promoting high-density, mixed use development, access to existing and proposed transit, and the use of bicycles and walking as alternatives to driving (Policy 3.8.3);

design residential streets to minimize traffic volumes and/or speed, as appropriate, without compromising connectivity for emergency first responders, cyclists, and pedestrians (Policy 4.2.3); reduce the potential for car collisions through design improvements, speed limit enforcement, and education efforts, prioritizing areas with a high level of collision incidence (Policy 4.3.1); support local Safe Routes to Schools programs to ensure safe walking and biking access for children and youth to school, prioritizing sites with the highest need (Policy 4.3.2); enhance existing pedestrian infrastructure to support the needs of aging adults, particularly routes to transit, health care services, and shopping centers (Policy 4.3.4); ensure connectivity of pedestrian and cyclist facilities to key destinations, such as downtown, commercial centers, and employment centers, and link these facilities to each other by providing trails along key utility corridors (Policy 4.4.1); improve safety for all active transportation users (Policy 4.4.3); strive for a safe transportation system that eliminates traffic-related fatalities and reduces non-fatal injury collisions (Policy 6.6.1); pursue and support local Safe Routes to Schools programs (Policy 6.6.2); and remote safe routes for aging adults, particularly routes to transit and shopping centers (Policy 6.6.3). Therefore, with compliance with existing laws, rules and regulations, the Project, pursuant to the GP, would not substantially increase hazards due to a geometric design feature or incompatible uses (City of Beaumont 2020a).

Access to the Project site would be provided by two driveways along Veile Avenue. With the exception of required street frontage improvements, including a new sidewalk along Veile Avenue, the Project does not include any substantial changes to the existing straight street geometry or intersections. Additionally, the Project would adhere to the aforementioned policies of the GP and would comply with existing laws, rules and regulations. Therefore, impacts associated with hazardous design features would be less than significant.

The GP EIR determined impacts associated with increased hazards due to a geometric design feature or incompatible uses to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

d) Would the project result in inadequate emergency access?

The GP EIR concluded this impact to be less than significant. Under the GP, access to major routes including I-10, SR-60, Brookside Avenue, Oak Valley Parkway, Highland Springs Avenue, and Beaumont Avenue would not be obstructed. Additionally, the GP includes a planned extension of Potrero Road eastward to connect to Highland Springs Avenue. Policies that support access include maximizing the use of alleys and rear buildings to provide access and reduce congestion on the street system (Policy 11.8.9) and municipal code updates requiring new development to provide emergency access (two viable points of ingress and egress) (Implementation S13). Projects pursuant to the GP would be reviewed for adequate infrastructure and access to ensure the safety of City residents and the physical environment. Implementation of existing laws and regulations, and compliance with applicable GP Goals, Policies, and Implementation actions during individual project review would ensure that impacts regarding impairing the implementation of emergency response and evacuation plans would be less than significant (City of Beaumont 2020a).

Access to the Project site would be provided by two driveways along Veile Avenue. The Project driveways would be designed and constructed according to City standards under the direction of a licensed and qualified engineer. The Project site would be accessible to emergency responders during construction

and operation of the Project. Additionally, the Project would adhere to the aforementioned GP policies and implementation actions related to emergency access. Therefore, impacts would be less than significant.

The GP EIR determined impacts associated with an emergency response plan or emergency evacuation plan to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.18 Tribal Cultural Resources

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

and

ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

As described in Section 3.5 above, the Archaeological and Paleontological Resources Assessment prepared for the Project (Appendix C) determined that the potential for unrecorded archaeological resources to exist within the Project site is considered moderate. CHRIS records search data indicates that the surrounding area is sensitive for previously recorded historic period archaeological resources. However, the Archaeological and Paleontological Resources Assessment did not identify any tribal cultural resources on-site, nor are any resources recorded on-site. Nevertheless, considering the overall sensitivity of the area, there is a potential for unknown tribal cultural resources to be encountered during ground disturbing activities. Implementation of the management recommendations provided in the Archaeological and Paleontological Resources Assessment (Appendix C), as well adherence to state law, would remain at a level of less than significant.

The GP EIR determined impacts to tribal cultural resources to be less than significant. As the Project would have less than significant impacts with management recommendations incorporated, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.19 Utilities and Service Systems

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

Since no habitable structures would be constructed as part of the Project, operational water required for the Project would be minimal, and only for ongoing maintenance. The amount of water required for both the grading/construction phase and the operations phase would not require any expansion of existing water facilities.

Municipal water is anticipated to be extended to the Project from a proposed fire hydrant that will be added along Veile Avenue within the Project right-of-way. The extension of municipal water to the Project is pending further consultation with the Riverside County Fire Department and will be refined during final design of the Project.

Similarly, the Project will not require No new wastewater facilities would be developed for the Project.

Electric Power Facilities

The Project will be charged from the electric grid via the Project's interconnection to SCE's existing 115 kV Maraschino substation at the Maraschino-Banning transmission line (the point of interconnection [POI]) at the Maraschino substation in Beaumont, located immediately adjacent to the Project site. Energy stored in the Project will then be discharged into the grid when the energy is needed, providing important electrical reliability services to the local area. The construction of the 0.05-mile generation tie-line and fiber optic cables has been incorporated into the Project description and analyzed as part of this document. Therefore, this extension would not result in additional adverse physical effects beyond those already identified in other sections of this environmental analysis.

Natural Gas

Because the Project site would be unmanned and no residences are proposed as part of the Project, no new or expanded natural gas facilities would be required.

Telecommunication Facilities

Because the Project site would be unmanned, and daily operations would be monitored remotely through the proposed fiber optic line, the Project would not require the construction of new or expanded telecommunications facilities.

The GP EIR determined impacts associated with the relocation or construction of new or expanded utilities to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

As discussed in threshold a, the Project would require minimal water usage during construction. Additionally, since no habitable structures would be constructed as part of the Project, operational water required for the Project would be minimal, and only for ongoing maintenance. Impacts would be less than significant.

The GP EIR determined impacts to water supplies during normal, dry, and multiple dry years to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

The GP EIR concluded this impact to be less than significant. The City's WWTP has a current capacity of 4.0 million gallons per day (mgd) which could be reached by the year 2022. The WWTP is in the process of a treatment capacity expansion from 4.0 mgd to 6.0 mgd in order to serve the projected City population for the next 20 years (City of Beaumont 2020a).

The Project would not require wastewater services at the site. Therefore, the Project would not impact any wastewater treatment provider.

The GP EIR determined impacts associated with adequate wastewater treatment capacity to be less than significant. As the Project would have no impact for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

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

Since no habitable structures would be constructed as part of the Project, it is expected that the Project would generate minimal solid waste. The amount of solid waste to be generated by the Project is dependent on the manufacturer chosen for the Project and whether or not the BESS enclosures will be assembled off or on-site. The Lamb Canyon Landfill has a maximum permitted throughput of 5,000 tons per day. Additionally, the landfill has a max permitted capacity of 38,935,653 cubic yards and a remaining capacity of 19,242,950 cubic yards. It is anticipated that the landfill will close in 2029 (CalEPA 2019). Additionally, with adherence to the appliable waste management plans and regulations set by the state and local jurisdiction, as well as compliance with GP goals, policies, and implementation actions related to solid waste disposal, impacts would be less than significant.

The GP EIR determined impacts associated with solid waste reduction goals to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific

increase impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

The Project would deposit all solid waste at a permitted solid waste facility. Additionally, the Project would adhere to the requirements of AB 939, as well as comply with GP goals, policies, and implementation actions related to solid waste disposal. Impacts would be less than significant.

The GP EIR determined impacts associated with compliance of regulations related to solid waste to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.20 Wildfire

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

The GP EIR concluded this impact to be less than significant. The Riverside County Fire Department Office of Emergency Services is responsible for planning for and managing emergency responses for the County; specifically, the County's Local Hazard Mitigation Plan (LHMP) includes assessments of the nature, locations, probabilities, and severities of a wide variety of hazards, as well as mitigation goals and strategies and action plans for reducing disaster risks. It specifically contains recommendations for dealing with wildfire risks, primarily through creating defensible space by keeping fire fuel away from buildings. Since the City is one of the participating jurisdictions in the LHMP, the City will comply with the LHMP. Additionally, the City's GP Safety Element contains policies for reducing potential losses from disasters and for emergency responses. Additionally, the Circulation Element of the GP provides for appropriate access and circulation throughout the City and allows for appropriate access for rapid response for emergency situations and routes for evacuation purposes. Goals 9.3, 9.4, 9.5 and 9.6 in the GP support and provide for updates, coordination, programs and promotion by the City and other public agencies for emergency services, support, and responses. Specifically, Policies 9.4.5 and 9.4.6 address the need to maintain and provide emergency access and evacuation planning. Lastly, Implementation Plan S13 also requires standards for new development and requiring emergency/evacuation access and routes (City of Beaumont 2020a).

The closest evacuation route to the Project site would be I-10, with the nearest on-ramp located approximately 0.8-miles east of the site. Construction of the Project is not anticipated to result in road closures. In the event of an emergency, emergency personnel would be able to access the roads surrounding the Project site as well as access the Project site. Additionally, the Project would comply with the LHMP and applicable GP Goals and Policies. Therefore, the Project would not interfere with an adopted emergency response plan or emergency evacuation plan and impacts would be less than significant.

The GP EIR determined impacts associated with impairing an adopted emergency response plan or emergency evacuation plan to be less than significant. As the Project would have less than significant impacts for the

reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

b) Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

The GP EIR concluded this impact to be less than significant. The City includes State Responsibility Areas (SRAs) and Very High Fire Hazard Severity Zones (VHFHSZs), mainly in the southern portion of the City. Factors such as vegetation (potential fuel for wildfires), climate, slope, and fire origin (proximity to development) could possibly exacerbate wildfire risks. As discussed in the GP EIR, protection from wildfire is realized through creation of defensible areas around structures and the use of fire-resistant building materials. Standard City Building and Safety Department and City Fire Department environmental and building permit review processes are intended to ensure that new developments are safely designed to avoid exacerbating wildfire risk. GP Goal 9.6 and supporting policies along with Policies 3.1.12, 3.11.5, 3.11.6, 3.11.7, and 9.3.3 promote public awareness of wildland fire hazards and require appropriate protection from these hazards. Buffering and distancing development through the GP policies listed above, will help to limit the exposure of residents to pollutants during fires. Evacuation routes and emergency preparedness outlined above in threshold a will also further to remove residents from exposure during wildfire events to also reduce exposure during fire events (City of Beaumont 2020a).

As shown in Figure 9.3, Fire Hazard Severity Zone, in the GP, the Project site is not located within a fire hazard severity zone. Land directly west of the Project site is located in a very high hazard severity zone (City of Beaumont 2020b). However, the Project proposes development of an energy storage facility which would be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures. The batteries selected for the Project will use lithium-ion cell technology. The batteries would be subject to compliance with existing federal, state, and local regulations for health and safety, including the 2019 California Fire Code. The Project proponent would select batteries or Energy Storage System (ESS) providers that comply with the application-specific codes, standards, and regulations for the siting, construction, and operation of lithium-ion stationary ESS. The existing regulations control the conditions under which the energy storage (battery) component can operate, and because the site will comply with all fire clearance requirements for vegetation, the fire impact is less than significant.

In addition, the battery storage would contain a safety system that would include a fire detection and suppression control system that would be triggered automatically when the system senses imminent fire danger. The fire suppression system inside each enclosure will shut down the unit if any hazard indicators are detected. The project will include current best practices for fire safety, which use chemical agent suppressant–based systems that detect and suppress fires. If smoke or heat were detected, or if the system were manually triggered, an alarm would sound, strobes would flash, and the system would release suppressant, typically FM 200, NOVEC 1230, or similar to the satisfaction of the fire official. Prior to operations, the Project proponent will meet with the appropriate local fire departments to provide a tour of the site, including review of access points and major and project components; review the site's emergency response plan; and educate and train first responders with regard to any specific safety concerns related to the use of battery storage components and the safety systems in place. the Project would adhere to applicable requirements set forth by the 2019 California Fire Code

adopted by the City's Code of Ordinances (City of Beaumont 2021). Furthermore, municipal water supply will be extended to the Project for fire protection.

Chapter 12 of the 2019 California Fire Code also requires the use of an Energy Management System, for monitoring and balancing cell voltages, currents and temperatures. The system must transmit an alarm signal if potentially hazardous temperatures or other conditions such as short circuits, over voltage or under voltage are detected. The fire code also requires the use of an appropriate fire extinguishing and smoke detection system, to the satisfaction of the fire official which will be incorporated into each of the Project's BESS enclosures. UL 9540 incorporates the UL 1973 standard, in which a battery manufacturer must prove that a failed cell inside will not cause a fire outside the system. The Project will meet the UL 9540 and industry standards for adequate separations, cascading protections, and suppression systems to limit failure to a single cell.

A Health Risk Assessment (Appendix A) was performed to assess the impact of a battery cell malfunction, such as a runaway reaction or overcharge event, on sensitive receptors proximate to the Project site. The analysis evaluated the potential impacts of a thermal runaway event where there was an elevated temperature situation due to a runaway reaction with combustion. As discussed in Appendix A, the results of the Health Risk Assessment show that a thermal runaway of a cell or module would be considered a low-priority risk and would result in a less than significant impact.

Because the project has a multi-layered approach to fire safety that includes protections from the battery cell, to the compartment, to the container and to the site level, it would be a rare event for a fire to occur at the site that could not be controlled by these features or by responding firefighters from nearby fire stations. The nearest wildland areas are 250 feet from the facility. The likelihood of a facility fire escaping and igniting vegetation is considered extremely low due to the protections and setbacks from the nearest unmaintained vegetation and there would be no project occupants as it is an unmanned facility. Therefore, because the potential for a wildfire ignition caused by the facility's operations is considered an extremely rare event and the absence of project occupants, the potential for impacts would be less than significant.

The GP EIR determined impacts associated with wildfire to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR and would not result in project-specific peculiar impacts not analyzed in the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

c) ***Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?***

Under existing conditions, the Project site is vacant, disturbed land. The immediate area surrounding the site is urbanized land containing a mix of industrial, commercial, and residential uses. As shown in Figure 9.3, Fire Hazard Severity Zone, in the GP, the Project site is not located within a fire hazard severity zone. The Project would include electrical cable and telecommunication connections, wiring and electrical system installation, and would include assembly of the accessory components including inverter transformers and generation step-up transformers installation of high voltage equipment, on-site tapping switchyard and generation tie-line interconnecting to the SCE substation at the 115 kV line. However, as described above,

the project will include current best practices for fire safety. The batteries would be subject to compliance with existing federal, state, and local regulations for health and safety, the battery storage would contain a safety system that would include a fire detection and suppression control system that would be triggered automatically when the system senses imminent fire danger, and the fire suppression system inside each enclosure will shut down the unit if any hazard indicators are detected. Accordingly, it is not anticipated that the Project would exacerbate fire risk, since electrical cables and telecommunications would be undergrounded, and pavement of the site would serve as a fuel break. Therefore, impacts would be less than significant.

The Project will be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings or habitable structures. It is expected that between two to four staff members will visit the site bi-weekly and as needed for maintenance and monitoring. The site will be fully enclosed and will not be open to the public. The Project will be monitored 24 hours per day, seven days per week, including an Energy Management System for monitoring and balancing cell voltages, currents and temperatures. The system will transmit an alarm signal if potentially hazardous temperatures or other conditions such as short circuits, over voltage or under voltage, are detected.

Accordingly, it is not anticipated that the Project would exacerbate fire risk, since electrical cables and telecommunications would be undergrounded, and pavement of the site would serve as a fuel break. Therefore, impacts would be less than significant.

The GP EIR determined impacts associated with the exacerbation of fire risk to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not increase impacts identified within the GP EIR and would not result in project-specific peculiar impacts not identified in the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

d) Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

The GP EIR concluded this impact to be less than significant. The City includes SRAs and VHFHSZs, mainly in the southern portion of the City. However, as previously discussed, the Project site is not located in a fire hazard severity zone.

Under existing conditions, the Project site is vacant, disturbed land. Upon completion of construction, the Project would increase the amount of impervious surfaces on the Project site and inevitably alter the existing on-site drainage pattern. As detailed in the WQMP prepared for the Project, runoff generated by the Project site would be collected by proposed bioretention basins installed on the downstream sides of the Project, which would capture the peak runoff rates. While the Project site is located within a 500-year floodplain, the Project would be required to incorporate flood control methods to minimize the risk to life and property pursuant to current regulations, City Municipal Code, and applicable GP goals, policies, and implementation actions. Additionally, the Project would maintain some landscaped area that would be pervious and help reduce flooding. Further, the Project site is predominantly flat and is not located near any hills; thus, potential landslide impacts are negligible. Thus, the Project would not expose people or structures to a significant risk, including downslopes or downstream flooding or landslides, as a result of runoff, post-fire instability, or drainage changes. Therefore, impacts would be less than significant.

The GP EIR determined impacts associated with the exposure of people or structures to downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes to be less than significant. As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR.

3.21 Mandatory Findings of Significance

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

As analyzed in Section 3.4 Biological Resources, above, the proposed project would not result in significant impacts to biological resources. The GP EIR requires implementation of mitigation measures MM BIO-1 (impacts on candidate, sensitive, or special status species), MM BIO-2 (impacts on nesting birds), and MM BIO-3 (impacts on riparian habitat or sensitive natural community) to reduce potentially significant impacts to a less than significant level.

The GP EIR determined impacts resulting from historical resources to be less than significant. As described in Section 3.5 above, the Project would also have a less than significant impact on historical resources. Therefore, the Project would be consistent with the historical resource findings provided within the GP EIR.

As the Project would have less than significant impacts for the reasons detailed above, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR. No additional mitigation beyond that proposed in the GP EIR would be required. Project impacts related to biological and historical resources would be less than significant.

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

The cumulative effects resulting from the buildout of the City's General Plan, including the project site, were previously identified in the General Plan EIR. The project is consistent with the General Plan land use patterns and applicable regional plans and would not result in development that would be greater in intensity than what was planned for in the General Plan. The potential cumulative environmental effects of the proposed project would fall within the impacts identified in the City's General Plan EIR. This includes cumulative impacts related to agricultural resources, air quality, greenhouse gas emissions, noise, and transportation/traffic. No cumulative impact greater than that identified in the General Plan EIR would result from construction of the proposed project.

The GP EIR found that through compliance with mitigation measure MM AG-1 impacts related to the conversion of Farmland to non-agricultural would be reduced to less than cumulatively considerable. However, even with implementation of MM AQ-1 and MM GHG-1, cumulative impacts related to air quality and greenhouse gas emissions would remain significant and unavoidable. Additionally, the GP EIR found that cumulative impacts related to noise and transportation/traffic would be significant and unavoidable, with no feasible mitigation.

As analyzed throughout Chapter 3 of this document, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified within the GP EIR. No additional mitigation beyond that proposed in the GP EIR would be required. As no cumulative impact greater than that identified in the General Plan EIR would result from construction of the proposed project, project-specific impacts are considered to be less than significant with mitigation incorporated.

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

The proposed project site is located in an area designated for Industrial (I) and Manufacturing (M) uses. As analyzed throughout Section 3 of this document, the City's GP EIR found that implementation of the GP would result in potentially significant impacts to air quality, greenhouse gas emissions, noise, and transportation/traffic, which could cause substantial adverse effects on human beings.

The GP EIR found that even with implementation of proposed mitigation, impacts related to air quality would be significant and unavoidable due to exposure of sensitive receptors to substantial pollutant concentrations, and would result in a cumulatively considerable net increase of criteria pollutants for which the project region is non-attainment.

The Project will provide essential grid resiliency and reliability services using battery technology to store electricity from the grid when supply is abundant and deliver it to customers when it is needed the most. The Project will provide essential regional and local grid reliability, help to meet California's zero carbon future by complimenting renewable generation, and help to reduce the likelihood of local outages. BESS are an economic, clean, and green replacement to gas-fired energy generation.

The GP EIR found that even with implementation of proposed mitigation, impacts related to GHG Emissions would be significant and unavoidable due GHG emissions calculated to exceed established thresholds.

The GP EIR found that impacts related to noise would be significant and unavoidable due to the generation of traffic noise that would exceed the Federal Transit Administration (RTA) significance thresholds. The GP EIR determined no feasible mitigation for noise impacts.

Finally, the GP EIR found that impacts related to transportation and traffic would be significant and unavoidable due to VMT that exceeds the City's established threshold of significance. The GP EIR determined no feasible mitigation for transportation/traffic impacts.

As analyzed throughout Chapter 3 of this document, the Project would be consistent with the analysis provided within the GP EIR because it would not result in project-specific peculiar impacts not identified within the GP EIR. The switchyard and gen-tie line would similarly not result in peculiar impacts not identified

within the GP EIR. No additional mitigation beyond that proposed in the GP EIR would be required. Implementation of the project would not introduce any new impacts that could cause substantial adverse effects on human beings, and project-related impacts would be less impactful than that identified in the General Plan EIR. Therefore, for the reasons outlined in Section 3.3, 3.8, 3.13, and 3.17 project-specific impacts on human beings are considered to be less than significant.

4 References and Preparers

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4.2 List of Preparers

City of Beaumont

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DUDEK

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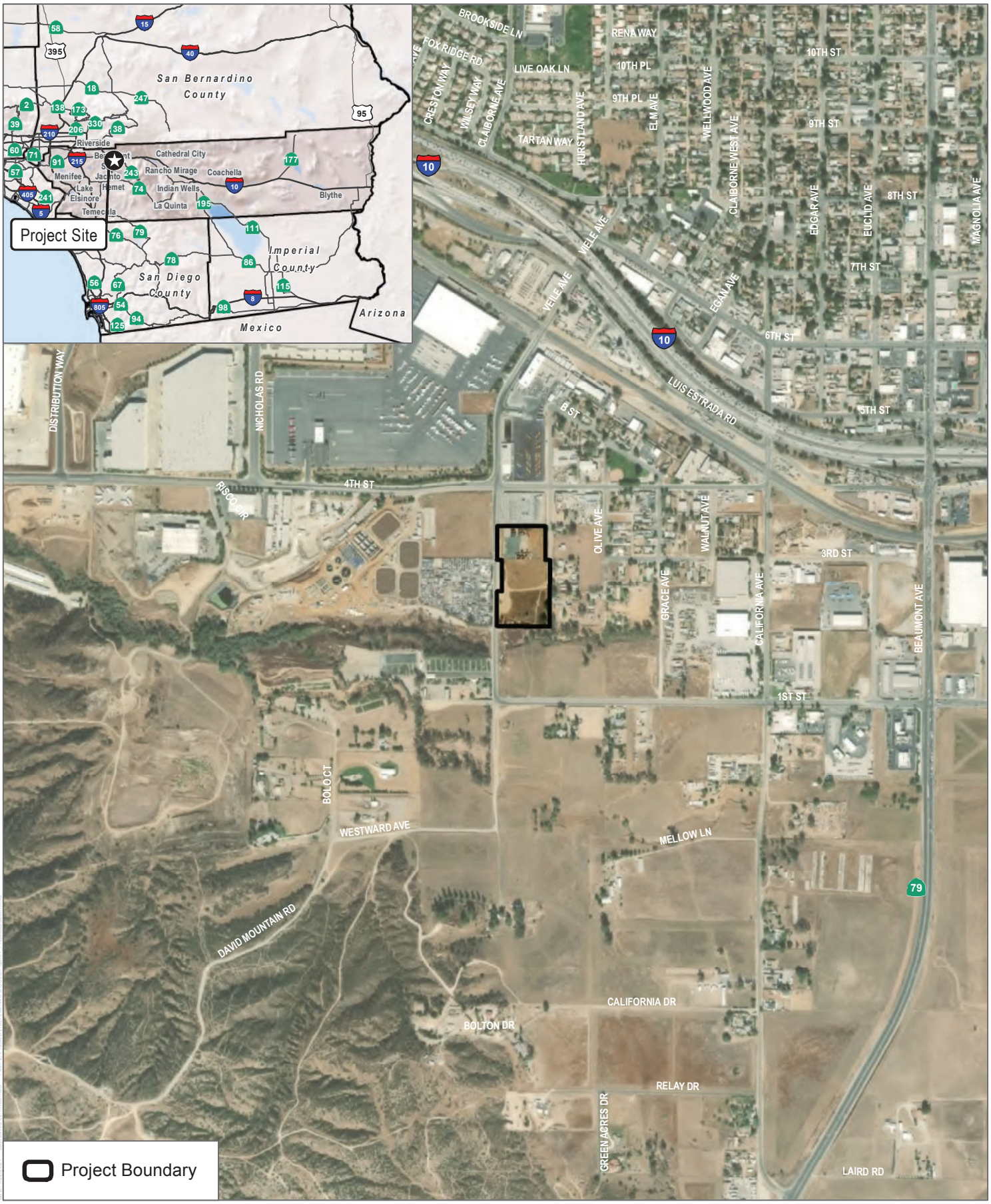

SOURCE: ESRI 2021

DUDEK

0 500 1,000 Feet

FIGURE 1

Project Location

Beaumont Energy Storage Project

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SOURCE: ESRI 2021

0 100 200 Feet

FIGURE 2

Project Site

Beaumont Energy Storage Project

DUDEK

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SOURCE: ESRI 2021, City of Beaumont 2021

DUDEK

0 100 200 Feet

FIGURE 3

General Plan Land Use Designation

Beaumont Energy Storage Project

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SOURCE: ESRI 2021, City of Beaumont 2021

DUDEK

0 100 200 Feet

FIGURE 4

Zoning

Beaumont Energy Storage Project

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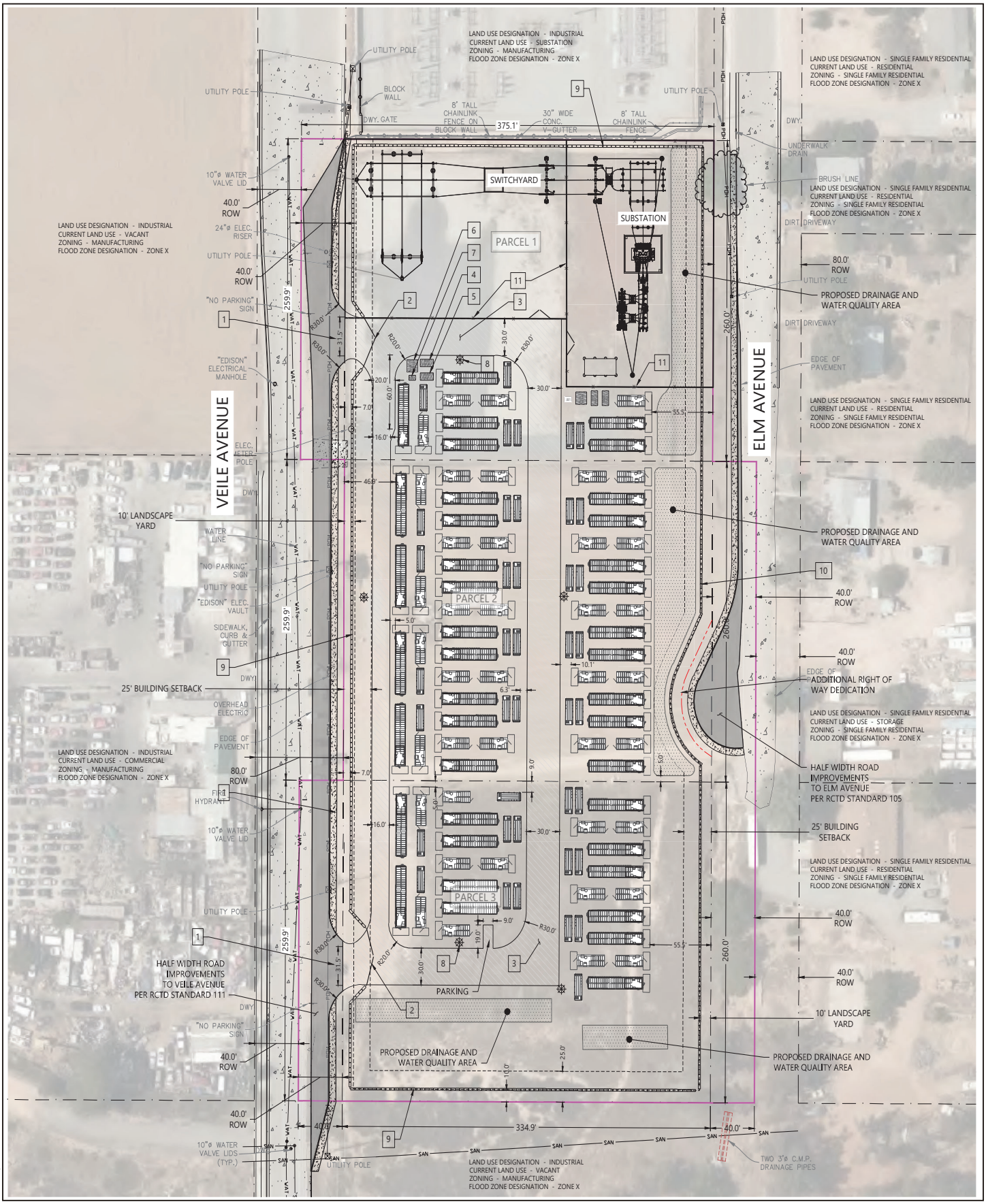

SOURCE: Westwood 2021

FIGURE 5
Preliminary Site Plan
Beaumont Energy Storage Project

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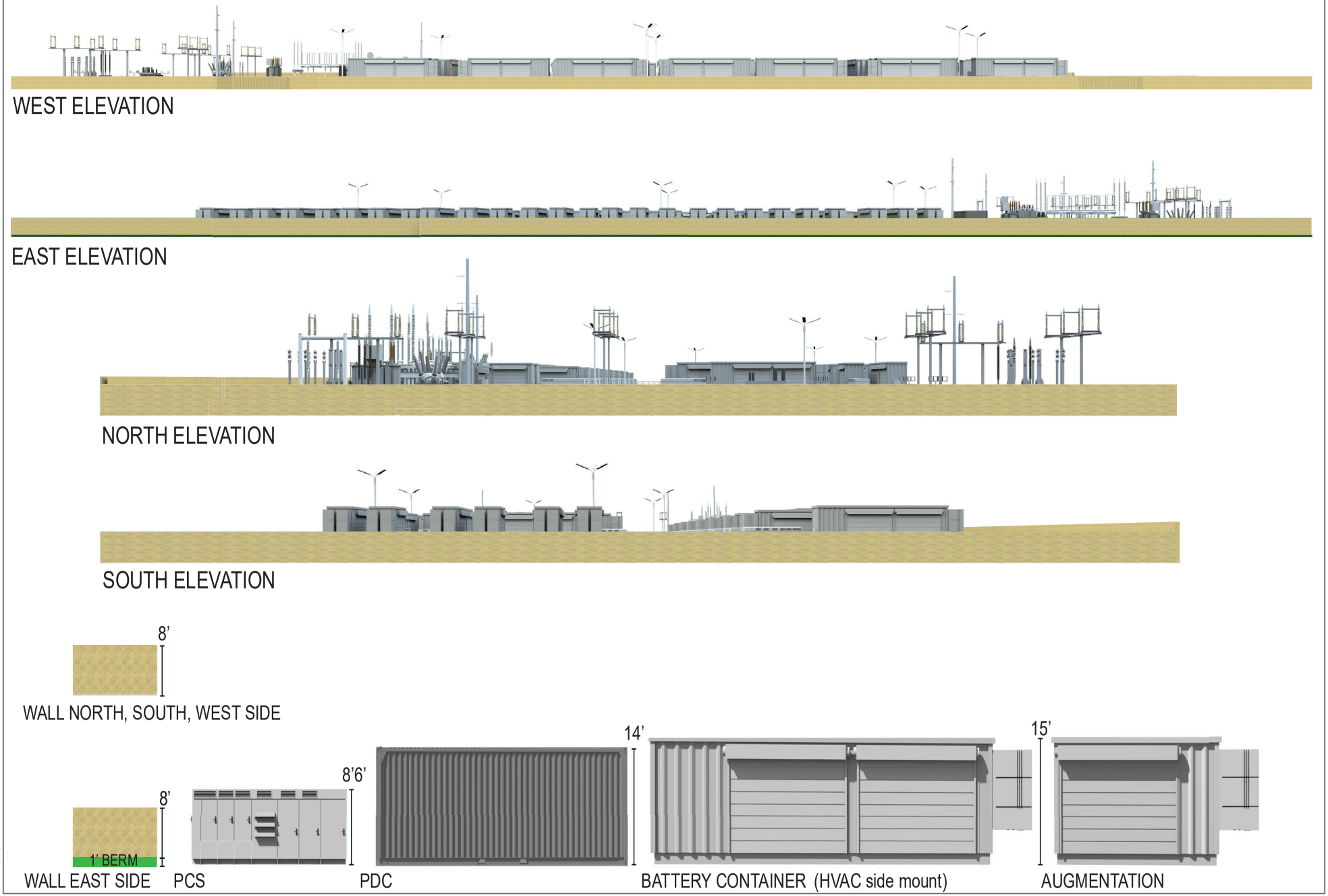

SOURCE: Westwood 2021

FIGURE 6

Elevations

Beaumont Energy Storage Project

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Appendix A

Air Quality and Greenhouse Emissions Study

605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 F 760.632.0164

June 24, 2021 13279

Nathan Vajdos
Beaumont ESS, LLC
11455 El Camino Real, Suite 160
San Diego, California 92130

Subject: Beaumont Energy Storage Project Air Quality and Greenhouse Gas Emissions Study

Dear Mr. Vajdos:

Dudek is pleased to present Beaumont ESS, LLC with the following air quality and greenhouse gas (GHG) analysis for the proposed Beaumont Energy Storage Project (Project) located in the City of Beaumont, California (City). The Project site would be located on approximately 7 acres of vacant land at 248 Veile Avenue.

This memorandum estimates criteria air pollutant and GHG emissions and impacts from construction and operation of the proposed Project in accordance with the California Environmental Quality Act (CEQA) Guidelines and demonstrate that the project would not have any peculiar air quality or GHG impacts that were not already disclosed in the EIR prepared by the City of Beaumont for its 2040 General Plan, approved in 2020. As such, the project qualifies for an exemption from CEQA pursuant to section 15183 of the CEQA Guidelines. The contents and organization of this memorandum are as follows: Section 1, Project Description, Section 2, General Analysis and Methodology, Section 3 and Section 4, Thresholds of Significance and Impact Analyses for the Air Quality Assessment and GHG Emissions Assessment, Section 5, Conclusions, and Section 6 References Cited.

1 Project Description

The Project is a 100-megawatt (MW) / 400 megawatt-hour (MWh) lithium-ion stationary battery energy storage project located in the City of Beaumont (City) being developed by Beaumont ESS, LLC. The Project's batteries will be installed in racks that are housed in outdoor Battery Energy Storage System (BESS) enclosures that will be accessed from the outside via metal cabinet doors for maintenance needs.

The Project will be charged from the electric grid via the Project's interconnection to Southern California Edison's (SCE's) existing 115 kilovolt (kV) Maraschino substation at the Maraschino-Banning transmission line (the point of interconnection [POI]) at the Maraschino substation in the City of Beaumont, located immediately adjacent to the Project site. Energy stored in the Project will then be discharged into the grid when the energy is needed, providing important electrical reliability services to the local area.

The Project will be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings, habitable structures, or parking. It is expected that between two to four staff members will visit the site bi-weekly and as needed for maintenance and monitoring. The site will be fully fenced and will not be open to the public.

2 General Analysis and Methodology

The Project site is located within the South Coast Air Basin (SCAB) and is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD), which has jurisdiction over Riverside County (County) and the City where the Project is located. Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants that are evaluated include volatile organic compounds (VOCs; sometimes referred to as reactive organic gases), oxides of nitrogen (NO_x), carbon monoxide (CO), sulfur oxides (SO_x), particulate matter with an aerodynamic diameter less than or equal to 10 microns in size (coarse particulate matter, or PM_{10}), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size (fine particulate matter, or $PM_{2.5}$). VOCs and NO_x are important because they are precursors to ozone (O_3).

GHGs are gases that absorb infrared radiation in the atmosphere. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature. Global climate change concerns are focused on whether human activities are leading to an enhancement of the greenhouse effect. Principal GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), O_3, and water vapor. If the atmospheric concentrations of GHGs rise, the average temperature of the lower atmosphere will gradually increase. Globally, climate change has the potential to impact numerous environmental resources though uncertain impacts related to future air temperatures and precipitation patterns. Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. Climate change is already affecting California: average temperatures have increased, leading to more extreme hot days and fewer cold nights; shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year; sea levels have risen; and wildland fires are becoming more frequent and intense due to dry seasons that start earlier and end later (CAT 2010).

The effect each GHG has on climate change is measured as a combination of the mass of its emissions and the potential of a gas or aerosol to trap heat in the atmosphere, known as its global warming potential (GWP), which varies among GHGs. Total GHG emissions are expressed as a function of how much warming would be caused by the same mass of CO_2. Thus, GHG emissions are typically measured in terms of pounds or tons of CO_2 equivalent (CO_2e). The CO_2e for a gas is derived by multiplying the mass of the gas by the associated GWP, such that metric tons (MT) of CO_2e = (MT of a GHG) × (GWP of the GHG). CalEEMod assumes that the GWP for CH_4 is 25, which means that emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2, and the GWP for N_2O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007).

2.1 Construction

Emissions from the construction phase of the proposed Project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.2 (CAPCOA 2017). For the purposes of modeling, it was assumed that construction of the proposed Project would commence in October 2021[1] and would last approximately 6

[1] The analysis assumes a construction start date of October 2021, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

months, ending in March 2022. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Site preparation – 2 weeks
- Switchyard site preparation – 2 weeks
- Grading – 2 months
- Switchyard grading – 1 month
- Switchyard installation – 3 months
- Battery/Container installation – 3 months

The majority of the phases listed above would occur concurrently and would not occur sequentially in isolation. The estimated construction duration was provided by the Project applicant. Detailed construction equipment modeling assumptions are provided in Attachment A, CalEEMod Outputs.

The construction equipment mix used for estimating the construction emissions of the proposed Project is based on information provided by the Project applicant and is shown in Table 1.

Table 1. Construction Scenario Assumptions

	One-Way Vehicle Trips			Equipment		
Construction Phase	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Site preparation	20	2	0	Graders	1	10
				Rubber Tired Loaders	1	10
				Skid Steer Loaders	2	10
				Tractors/Loaders/ Backhoes	2	10
Switchyard site preparation	20	2	0	Rubber Tired Dozers	2	10
				Tractors/Loaders/ Backhoes	2	10
Grading	20	4	988	Graders	2	10
				Plate Compactors	2	10
				Rollers	2	10
				Rubber Tired Loaders	2	10
				Skid Steer Loaders	2	10
				Tractors/Loaders/ Backhoes	2	10
Switchyard grading	20	2	4	Graders	2	10
				Plate Compactors	2	10
				Rollers	2	10
				Rubber Tired Loaders	2	10
				Skid Steer Loaders	2	10

Table 1. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
				Tractors/Loaders/ Backhoes	2	10
Switchyard installation	20	20	0	Aerial Lifts	2	10
				Air Compressors	1	10
				Bore/Drill Rigs	1	10
				Cranes	1	10
				Excavators	1	10
				Generator Sets	1	10
				Rollers	1	10
				Rough Terrain Forklifts	1	10
				Rubber Tired Dozers	2	10
				Skid Steer Loaders	1	10
				Tractors/Loaders/ Backhoes	1	10
				Trenchers	2	10
Battery/Container installation	20	20	4	Air Compressors	2	10
				Cranes	1	10
				Excavators	1	10
				Generator Sets	1	10
				Plate Compactors	1	10
				Rollers	1	10
				Rough Terrain Forklifts	1	10
				Skid Steer Loaders	1	10
				Tractors/Loaders/ Backhoes	1	10
				Trenchers	1	10

Note: See Attachment A for details.

For the analysis, it was assumed that heavy construction equipment would be operating 5 days per week (22 days per month), up to 10 hours per day during Project construction. Construction worker and vendor trips were based on CalEEMod default assumptions and rounded up to the nearest whole number to account for whole round trips.

Project construction would include 8,400 cubic yards of cut and 4,000 cubic yards of fill, as represented in the grading phase. The Project would have 3,500 cubic yards of export and 4,400 cubic yards of import, resulting in 988 one-way haul truck trips. It is anticipated that earth movement grading would be primarily, if not completely, accomplished using off-road equipment.

Construction of Project components would be subject to SCAQMD Rule 403, which requires that proposed construction include steps to restrict visible emissions of fugitive dust beyond the property line (SCAQMD 2005).

Compliance with SCAQMD Rule 403 would limit fugitive dust (PM_{10} and $PM_{2.5}$) that may be generated during proposed grading and construction activities.

A detailed depiction of the construction schedule—including information regarding phases and equipment used during each phase—is included in Attachment A to this technical memorandum. The information contained in Attachment A was used as CalEEMod model inputs. The following Project design feature was included in the CalEEMod modeling as has been incorporated into the project design by Beaumont ESS, LLC. It is recommended that the City of Beaumont also require this project design feature be enforceable as a condition of the Plot Plan Permit. This analysis was completed to fulfill the Beaumont General Plan Mitigation Measure AQ-1 and project design feature (PDF)-AQ-1 below ensures the project is consistent with the uniformly applicable development standards within the General Plan Mitigation Measure AQ-1.

PDF-AQ-1 Prior to City of Beaumont (City) approval of any construction-related permits, the project applicant or its designee shall place the following requirements on all plans, which shall be implemented during each construction phase to minimize diesel particulate matter emissions:

a. Heavy-duty diesel-powered construction equipment shall be equipped with Tier 3 or better diesel engines for engines 50 horsepower or greater.
b. Vehicles in loading and unloading queues shall not idle for more than 5 minutes and shall turn their engines off when not in use to reduce vehicle emissions.
c. All construction equipment shall be properly tuned and maintained in accordance with manufacturer's specifications.
d. When construction equipment units that are less than 50 horsepower would be employed, that equipment shall be electrical or natural-gas powered, where available.
e. A Construction Traffic Control Plan shall be developed to ensure construction traffic and equipment use is minimized to the extent practicable. The Construction Traffic Control Plan shall include measures to reduce the amount of large pieces of equipment operating simultaneously during peak construction periods, schedule vendor and haul truck trips to occur during non-peak hours, establish dedicated construction parking areas to encourage carpooling and efficiently accommodate construction vehicles, identify alternative routes to reduce traffic congestion during peak activities, and increase construction employee carpooling.
f. Use a chemical stabilizer monthly on disturbed soil and unpaved roads to reduce fugitive dust emissions.
g. Water exposed area three times daily.

2.2 Operation

Emissions from the operational phase of the proposed Project were estimated using CalEEMod. Operational year 2022 was assumed, as it would be the first year following completion of construction.

Area Sources

During operations and maintenance, one of the main sources of GHG emissions would be fugitive emissions from equipment containing SF_6 gas installed at the proposed switchyard. SF_6 has a GWP of 23,900 using CO_2 at a reference value of 1 (IPCC 2007). The switchyard would include six 138 kilovolt (kV) breakers that would contain

SF_6 gas. It is estimated that the Project would maintain a total of 2,400 lbs of SF_6 gas at the substation. Although leakage is unlikely, for the purposes of the Project's emissions inventory, it was assumed that the breakers would have a maximum annual leak rate of 0.5% in accordance with the Institute of Electrical and Electronics Engineers (IEEE) PC37.122 - Standard for High Voltage Gas-Insulated Substations Rated Above 52 kV (IEEE 2018). Emissions from SF_6 gas are included as part of area source emissions.

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2017). Consumer product VOC emissions are estimated in CalEEMod based on the floor area of non-residential buildings and on the default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site. The proposed Project would not include the use of natural gas on site during operation. The Project is anticipated to use electricity for on-site lighting and for the heating, ventilation, and air conditioning (HVAC).

Emissions were calculated by multiplying the energy use by the utility's carbon intensity (pounds of GHGs per megawatt-hour for electricity) for CO_2 and other GHGs. Annual electricity emissions were estimated in CalEEMod using the emissions factors for SCE, which would be the energy source provider for the project. The GHG intensity was adjusted based on SCE's 2019 Sustainability Report (SCE 2019).

Mobile Sources

Following the completion of construction activities, the proposed Project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of the periodic maintenance activity of the project. It is anticipated that up to four worker trucks would visit the site every other week to perform routine maintenance. CalEEMod default data, including trip characteristics and emissions factors, were used for the model inputs. Project-related traffic was assumed to include a mixture of worker vehicles in accordance with the associated use, as modeled within CalEEMod (50% light-duty autos, 25% light-duty truck type 1, and 25% light-

duty truck type 2). Emission factors representing the vehicle mix and emissions for 2022 were used to estimate emissions associated with vehicular sources.

Off-Road Sources

The proposed Project would involve using a crane once every 5 years during routine maintenance to be able to lift and move the battery containers. CalEEMod default equipment size and load factors were assumed. It was assumed that the crane would operate for 8 hours, 1 day every 5 years.

Solid Waste

The proposed Project would generate solid waste, and therefore, result in CO_2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste for the proposed Project.

Water and Wastewater Treatment

Supply, conveyance, treatment, and distribution of water for the proposed Project require the use of electricity, which would result in associated indirect GHG emissions. The outdoor water use for irrigation and electricity consumption were estimated using CalEEMod default values for the proposed Project. Water use estimates were provided in the site plan.

Health Risk Assessment

As a precautionary measure, a health risk assessment (HRA) was performed to assess the impact of a battery cell malfunction, such as a runaway reaction or overcharge event, on sensitive receptors proximate to the Project site (outputs provided as Attachment B). This report includes an HRA associated with emissions from battery cell malfunction based on the methodologies prescribed in the Office of Environmental Health Hazard Assessment (OEHHA) document, Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA Guidelines) (OEHHA 2015). During normal operation, there would be no emissions from the battery systems associated with the proposed Project. The assessment is based on the prioritization method for acute impacts. The thresholds are based on the application of a number of conservative air dispersion modeling scenarios coupled with air pollutant toxicities as reported by OEHHA and the U.S. Environmental Protection Agency. The prioritization thresholds are such that a total score greater than or equal to 10 would be considered a high priority; a total score greater than or equal to 1 and less than 10 would be considered an intermediate priority; and a total score less than 1 would be a low priority. The final prioritization is determined by the highest prioritization received for any release scenario. The prioritization method is the initial and most conservative tool used by air districts in California (including SCAQMD) to determine public health impacts due to toxic air pollutants for purposes of the Air Toxics "Hot Spot" Act. The SCAQMD screening approach for health risks was used for the acute impact of toxic emissions (SCAQMD 2020). The prioritization score is calculated by estimating the maximum emission rate for each pollutant, dividing it by the acute non-cancer reference exposure level for the pollutant, and multiplying that by the proximity factor (SCAQMD 2020). The use of this tool is the first step in the toxic air pollutant screening level risk assessment process to determine whether a more refined assessment is required. The prioritization method is a direct impact risk assessment method, rather than a probabilistic/statistical method. The prioritization method relies on the emission rates of the various pollutants for a given facility, potency or toxicity factors (including adjustments for sensitive individuals such as seniors and children) for each

pollutant identified, conservative air dispersion modeling assumptions, and the proximity of potential receptors to determine a facility's score.

This analysis evaluated the potential impacts of a thermal runaway event where there was an elevated temperature situation due to a runaway reaction with combustion. Because the BESS would be enclosed in an essentially sealed cargo container, it is assumed that the emissions caused by these malfunction scenarios would remain within the cargo container until the container doors were opened by the fire department. Therefore, it is assumed that the release of pollutants to the atmosphere would occur within a relatively short time (i.e., 1 hour or less). The BESS would be equipped with monitoring and control systems that would prevent and/or control battery cell malfunctions.

The Project applicant has not committed to a specific battery vendor at the time of the preparation of this assessment and thus LG Chem was assumed to be the supplier of the battery technology. The compounds and the associated mass emission rates used herein were determined by proprietary testing performed by LG Chem. The tests performed by LG Chem included a number of conservative factors, including allowing both the non-combustion and combustion malfunction events to continue without control for over an hour and using an external ignition source to force combustion when the malfunction itself did not result in sufficient heat to cause a fire. The tests performed by LG Chem showed that, in the event of a single cell undergoing thermal runaway there was no propagation to surrounding cells. In addition, the tests showed that when an entire module (a module is comprised of 28 cells) was ignited and the fire suppression system discharged there was no propagation to surrounding modules. While the entire BESS will be comprised of a total of approximately 425 modules, because the malfunction events discussed above are extremely unlikely to occur in the first place and, if such an event does occur, it will only likely occur within a single battery cell, the analysis assuming combustion of all 28 cells in a module remains extremely conservative.

Project emissions to the air would consist of combustion and vent products from the burning and/or venting of the battery cells due to a battery cell malfunction. Inhalation is the main pathway by which air pollutants would potentially cause public health impacts. Potential human health impacts associated with the proposed Project stem from human exposure to air emissions from the battery cell malfunction scenario discussed above. The expected pollutants emitted under these scenarios are listed in Table 2, with more detailed calculations provided in Attachment B. Also included in Attachment B is a copy of the material safety data sheet provided by the LG Chem. Although the assessment includes emissions in Table 2, only pollutants that have acute reference exposure levels contribute to the risk prioritization score.

Table 2. Chemical Constituents Emitted

Pollutants	Chemical Names
CH_4	Methane
H_2	Hydrogen
C_2H_4	Ethylene
CO_2	Carbon dioxide
CO	Carbon monoxide
C_3H_6	Propylene
C_2H_6	Ethane
C_2H_2	Acetylene
C_3H_6	Propene

Table 2. Chemical Constituents Emitted

Pollutants	Chemical Names
C_3H_8	Propane
O_2	Oxygen
N_2	Nitrogen
HF	Hydrogen fluoride
SO_2	Sulfur dioxide
NO_x	Oxides of nitrogen
PH_3	Phosphine

Source: LG Chem 2016.

According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993). The closest off-site sensitive receptors to the Project site include residences approximately 140 feet to the east of the Project site.

3 Air Quality Assessment

3.1 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality are based on the recommendations provided in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). For the purposes of this air quality analysis, a significant impact would occur if the Project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied on to determine whether a proposed project would have a significant impact on air quality.

SCAQMD has adopted thresholds to address the significance of air quality impacts resulting from a project. A project would result in a substantial contribution to an existing air quality violation of the National Ambient Air Quality Standards (NAAQS) or California Ambient Air Quality Standards (CAAQS) for O_3, which is a nonattainment pollutant, if the project's construction emissions would exceed SCAQMD's VOC or NO_x significance thresholds (shown in Table 3). These emission-based thresholds for O_3 precursors are intended to serve as a surrogate for an "ozone significance threshold" (i.e., the potential for adverse O_3 impacts to occur) because O_3 itself is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (VOC and NO_x) on O_3 levels in ambient air cannot be determined through air quality models or other quantitative methods. The SCAB is also nonattainment for the state PM_{10} and federal and state $PM_{2.5}$ standards.

Table 3. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	**Construction (Pounds per Day)**	**Operation (Pounds per Day)**
VOCs	75	55
NO_x	100	55
CO	550	550
SO_x	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Lead[a]	3	3
TACs and Odor Thresholds		
Pollutant	**Thresholds**	
TACs[b]	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and acute hazard index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality Standards for Criteria Pollutants[c]		
Pollutant	**Ambient Air Quality Standard**	
NO_2 1-hour average NO_2 annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.030 ppm (state) and 0.0534 ppm (federal)	
CO 1-hour average CO 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state /federal)	
PM_{10} 24-hour average PM_{10} annual average	SCAQMD is in attainment for the federal standard and nonattainment for the state standard; project is significant if it causes or contributes to an exceedance of the following attainment standards: 10.4 μg/m³ (construction)[d] 2.5 μg/m³ (operation) 1.0 μg/m³	
$PM_{2.5}$ 24-hour average	SCAQMD is nonattainment for the federal and state standard; project is significant if it causes or contributes to an exceedance of the following attainment standards: 10.4 μg/m³ (construction)[d] 2.5 μg/m³ (operation)	

Source: SCAQMD 2019.
Notes: SCAQMD = South Coast Air Quality Management District; VOCs = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; TAC = toxic air contaminant; NO_2 = nitrogen dioxide; ppm = parts per million; μg/m³ = micrograms per cubic meter.
GHG emissions thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not included in this table because they will be addressed in the GHG emissions analysis and not the air quality study.

[a] The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.
[b] TACs include carcinogens and non-carcinogens.
[c] Ambient air quality standards for criteria pollutants are based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.
[d] Ambient air quality thresholds are based on SCAQMD Rule 403.

In addition to the emission-based thresholds listed in Table 3, SCAQMD also recommends the evaluation of localized air quality impacts to sensitive receptors in the immediate vicinity of the Project site as a result of construction activities. Such an evaluation is referred to as a "localized significance threshold" (LST) analysis. The LST analysis focuses on construction equipment and does not include mobile sources. Therefore, the LST analysis applies only to the construction equipment on site, not to the worker vehicles or vendor trucks. For project sites of 5 acres or less, SCAQMD's LST Methodology (2009) includes lookup tables that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance criteria (i.e., the emissions would not cause an exceedance of the applicable concentration limits for NO_2, CO, PM_{10}, and $PM_{2.5}$) without performing project-specific dispersion modeling.

The LST significance thresholds for NO_2 and CO represent the allowable increase in concentrations above background levels in the vicinity of a project site that would not cause or contribute to an exceedance of the relevant ambient air quality standards, while the threshold for PM_{10} represents compliance with Rule 403 (Fugitive Dust). The LST significance threshold for $PM_{2.5}$ is intended to ensure that construction emissions do not contribute substantially to existing exceedances of the $PM_{2.5}$ ambient air quality standards. The allowable emission rates depend on the following parameters:

- Source-receptor area (SRA) in which the project site is located
- Size of the project site
- Distance between the project site and the nearest sensitive receptor (e.g., residences, schools, hospitals)

The Project site is located in SRA 29 (Banning Airport). LST pollutant screening level concentration data is currently published for 1-, 2-, and 5-acre sites for varying distances. In accordance with the SCAQMD *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*, the Project would result in a maximum disturbance of 1 acre per day during the grading phase. The nearest sensitive-receptor land use (a residence) is located 140 feet to the east of the property boundary. As such, the LST receptor distance was assumed to be 82 feet (25 meters), which is the shortest distance provided in the lookup tables. The LST values from the SCAQMD lookup tables for SRA 29 for a 1-acre project site and a receptor distance of 25 meters are shown in Table 4.

Table 4. Localized Significance Thresholds for Source-Receptor Area 29 (Banning Airport)

Pollutant	Threshold (Pounds per Day)
Construction	
NO_2	103
CO	1,000
PM_{10}	6
$PM_{2.5}$	4

Source: SCAQMD 2009.
Notes: NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.

Localized significance thresholds were determined based on the values for a 1-acre site at a distance of 25 meters (82 feet) from the nearest sensitive receptor.

3.2 Impact Analysis

3.2.1 Would the project conflict with or obstruct implementation of the applicable air quality plan?

The Project site is located in the SCAB, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties and all of Orange County, and is within the jurisdictional boundaries of SCAQMD.

SCAQMD administers SCAB's Air Quality Management Plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining all CAAQS and NAAQS. The most recent adopted AQMP for the SCAB is the 2016 AQMP (SCAQMD 2017), which was adopted by SCAQMD's Governing Board in March 2017. The 2016 AQMP focuses on available, proven, and cost-effective alternatives to traditional strategies while seeking to achieve multiple goals in partnership with other entities seeking to promote reductions in GHGs and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017).

The purpose of a consistency finding with regard to the AQMP is to determine whether a project is consistent with the assumptions and objectives of the regional air quality plans, and whether it would interfere with the region's ability to comply with federal and state air quality standards. SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3 of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- Whether the project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- Whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed in Section 3.2.2 of this technical memorandum. Detailed results of this analysis are included in Attachment A. As presented in Section 3.2.2, construction and operation of the proposed Project would not generate criteria air pollutant emissions that exceed SCAQMD's thresholds.

The second criterion, regarding the Project's potential to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase, is primarily assessed by determining consistency between the project site's land use designations and the project's potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook). SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the Southern California Association of Governments (SCAG) for its Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (SCAG 2016). This document, which is based on general plans for cities and

counties in the SCAB, is used by SCAQMD to develop the AQMP emissions inventory (SCAQMD 2017).[2] The SCAG 2016 RTP/SCS and the associated Regional Growth Forecast are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

The site encompasses approximately 7 acres of vacant, previously disturbed property designated as Industrial (I) in the City's General Plan and zoned M (Manufacturing). The Project would be considered a public utility/service structure land use under the zoning code which is explicitly permitted under the Manufacturing zone. Therefore, the Project is consistent with the underlying zoning of the site. In addition, the implementation of the Project would not generate an increase in growth demographics that would conflict with existing projections within the region. Accordingly, the Project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

In summary, based on the considerations presented for the two criteria, impacts relating to the Project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

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

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a proposed project's individual emissions would have a cumulatively significant impact on air quality.

Construction Emissions

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road vendor trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for particulate matter, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated.

CalEEMod Version 2016.3.2 was used to estimate emissions from construction of the proposed Project. Internal combustion engines used by construction equipment, trucks, and worker vehicles would result in emissions of VOCs, NO_x, CO, PM_{10}, and $PM_{2.5}$. PM_{10} and $PM_{2.5}$ emissions would also be generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil. The Project would be required to comply with SCAQMD Rule 403 to control dust emissions generated during any dust-generating

[2] Information necessary to produce the emissions inventory for the SCAB is obtained from SCAQMD and other governmental agencies, including the California Air Resources Board (CARB), California Department of Transportation (Caltrans), and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in its 2016 RTP/SCS are integrated into SCAQMD's 2016 AQMP (SCAQMD 2017).

activities. Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active dust areas three times per day, with additional watering depending on weather conditions as specified in **PDF-AQ-1**. The CalEEMod default assumptions were used for estimating fugitive dust emissions from grading on site. Table 5 presents the estimated maximum daily construction emissions generated during construction of the proposed Project. Details of the emission calculations are provided in Attachment A.

Table 5. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
2021	4.23	84.32	97.81	0.18	5.35	4.31
2022	3.50	71.96	90.68	0.15	4.63	4.12
Maximum	*4.23*	*84.32*	*97.81*	*0.18*	*5.35*	*4.31*
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District.
Emissions include compliance with SCAQMD Rules 403.
See Attachment A for complete results.

As shown in Table 5, the Project construction would not exceed SCAQMD's daily thresholds. Therefore, construction impacts associated with criteria air pollutant emissions would be less than significant.

Operational Emissions

Emissions from the operational phase of the proposed Project were estimated using CalEEMod. Operational year 2022 was assumed following completion of construction. Table 6 presents the estimated emissions during operation.

Table 6. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emissions Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Area	0.81	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.01	0.02	0.23	0.00	0.07	0.02
Off-road	0.37	4.18	1.89	0.01	0.17	0.16
Total	**1.19**	**4.20**	**2.12**	**0.01**	**0.24**	**0.18**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District.
See Attachment A for complete results. Totals may not sum precisely due to rounding.

As shown in Table 6, the proposed Project would not exceed SCAQMD's significance thresholds during operations. Therefore, operational impacts associated with criteria air pollutant emissions would be less than significant.

In considering cumulative impacts from a proposed Project, the analysis must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the SCAB is designated as nonattainment for the CAAQS and NAAQS. If a project's emissions would exceed SCAQMD's significance thresholds, it would be considered to have a cumulatively considerable contribution to nonattainment status in the SCAB. If a project does not exceed thresholds and is determined to have less than significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality. The basis for analyzing the project's cumulatively considerable contribution is if the project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact) and consistency with SCAQMD's 2016 AQMP, which addresses cumulative emissions in the SCAB.

The SCAB has been designated as a federal nonattainment area for O_3 and $PM_{2.5}$ and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction of the proposed Project would generate VOC and NO_x emissions (which are precursors to O_3) and emissions of PM_{10} and $PM_{2.5}$. As indicated in Tables 5 and 6, project-generated construction and operational emissions would not exceed SCAQMD's emission-based significance thresholds for VOC, NO_x, CO, SO_2, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a construction project were to occur concurrently with another off-site project. Construction schedules for potential future projects near the project site are currently unknown; therefore, potential construction impacts associated with two or more simultaneous projects would be speculative.[3] However, future projects would be subject to CEQA and would require an air quality analysis and, where necessary, mitigation if the project would exceed SCAQMD's significance thresholds. Criteria air pollutant emissions associated with construction activity of future proposed projects would be reduced through implementation of control measures required by SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all construction sites in the SCAQMD.

Based on the previous considerations, the proposed Project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and cumulative impacts would be less than significant.

3.3.3 Would the project expose sensitive receptors to substantial pollutant concentrations?

Localized Significance Thresholds

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, older people, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent

[3] The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145). This discussion is nonetheless provided in an effort to show good-faith analysis and to comply with CEQA's information disclosure requirements.

centers, and retirement homes (SCAQMD 1993). The nearest sensitive-receptor land use (a residence) is located approximately 140 feet east of the Project site boundary.

Construction activities associated with the proposed Project would result in temporary sources of on-site fugitive dust and construction equipment emissions. Off-site emissions from vendor trucks and worker vehicle trips are not included in the LST analysis. The maximum allowable daily emissions that would satisfy the SCAQMD LST criteria for SRA 29 are presented in Table 7 and compared to the maximum daily on-site construction emissions.

Table 7. Localized Significance Thresholds Analysis for Project Construction

Pollutant	Project Construction Emissions (Pounds per Day)	LST Criteria (Pounds per Day)	Exceeds LST?
NO_2	77.54	103	No
CO	94.15	1,000	No
PM_{10}	4.21	6	No
$PM_{2.5}$	3.98	4	No

Source: SCAQMD 2009.
Notes: LST = localized significance threshold; NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Attachment A for detailed results.
LSTs are shown for 1-acre site at a distance of 25 meters (82 feet) for SRA 29 (Banning Airport).
These estimates reflect control of fugitive dust required by SCAQMD Rule 403 and Tier 3 equipment per PDF-AQ-1.
The emissions represent worst-case operating scenario during construction.

As shown in Table 7, the Project's estimated construction emissions would not exceed the established LSTs; therefore, the Project would result in a less than significant localized impact to sensitive receptors during construction.

CO Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed CO "hotspots." CO transport is extremely limited and disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (LOS) (LOS E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots.

Title 40 of the Code of Federal Regulations, Section 93.123(c)(5), Procedures for Determining Localized CO, PM_{10}, and $PM_{2.5}$ Concentrations (Hot-Spot Analysis), states that "CO, PM_{10}, and $PM_{2.5}$ hot-spot analyses are not required to consider construction-related activities, which cause temporary increases in emissions. Each site which is affected by construction-related activities shall be considered separately, using established 'Guideline' methods. Temporary increases are defined as those which occur only during the construction phase and last five years or less at any individual site" (40 CFR 93.123). While Project construction would involve on-road vehicle trips from trucks and workers during construction, construction activities would last approximately 6 months and would not require a project-level construction hotspot analysis.

Mobile source impacts occur on two scales of motion. Regionally, project-related travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SCAB. Locally, project-generated traffic would be added to the City's roadway system near the Project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing.

Therefore, it is concluded that a quantitative CO hotspots analysis is not required. The construction-related traffic is not anticipated to create a CO hotspot as emissions would be dispersed rapidly and would not be concentrated. During operation, the Project is expected to generate vehicle trips for maintenance personnel every other week and therefore no CO hotspots would be created.

As such, impacts to sensitive receptors with regard to potential CO hotspots resulting from the Project's contribution to cumulative traffic-related air quality impacts would be less than significant.

Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (immediate) and/or chronic (cumulative) non-cancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). TACs are identified by federal and state agencies based on a review of available scientific evidence. In the state of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the State Legislature in 1987 to address public concern over the release of TACs into the atmosphere.

Examples of TACs include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Project construction would result in emissions of diesel particulate from heavy construction equipment and trucks accessing the site. Diesel particulate is characterized as a TAC by the State of California. OEHHA has identified carcinogenic and chronic non-carcinogenic effects from long-term exposure, but has not identified health effects due to short-term exposure to diesel exhaust. According to OEHHA, HRAs, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period for the maximally exposed individual resident; however, such assessments should be limited to the period/duration of activities associated with the Project. Thus, the duration of the proposed construction activities would constitute only a small percentage of the total 30-year exposure period. Due to this relatively short period of exposure (6 months) and minimal particulate emissions on site, TACs generated by the proposed Project would not result in concentrations causing significant

health risks. Overall, the Project would not result in substantial TAC exposure to sensitive receptors in the vicinity of the Project site, and impacts would be less than significant. DPM emissions would further be limited onsite during construction through the use of Tier 3 construction equipment as specified in PDF-AQ-1. Per CARB's air toxic control measure, heavy-duty diesel vehicles will be limited to idling for 5 minutes while onsite.

Additionally, the health risk public-notification thresholds adopted by the SCAQMD Board is 10 excess cancer cases in a million for cancer risk and a hazard index of more than one (1.0) for non-cancer risk. The hazard index of more than 1.0 means that predicted levels of a toxic pollutant are greater than the reference exposure level, which is considered the level below which adverse health effects are not expected. Examples of projects that emit toxic pollutants over long-term operations include oil and gas processing, gasoline dispensing, dry cleaning, electronic and parts manufacturing, medical equipment sterilization, freeways, and rail yards (SCAQMD 2017). The Project would not emit TACs during normal operations and toxic contaminants are not anticipated to be present at the Project site; as such, a formal HRA will not be required for the Project. As discussed above, the Project would bring a crane onsite to move containers around once every few years. Accordingly, the Project is not anticipated to result in emissions that would exceed the SCAQMD Board-adopted health risk notification thresholds.

However, as discussed in Section 2.2, Operation, of this letter report, and as a precautionary measure, an HRA was performed to assess the impact of a battery cell malfunction, such as a runaway reaction or overcharge event, on sensitive receptors proximate to the Project site (provided as Attachment B). This analysis evaluated the potential impacts of a thermal runaway event where there was an elevated temperature situation due to a runaway reaction with combustion. Although the entire BESS would be composed of many modules, the malfunction events discussed above are unlikely to occur and, if such an event does occur, it would likely occur only within a single battery cell or a limited number of battery cells. The analysis conservatively evaluated the thermal runaway event taking place in a single cell and a module (28 cells). The results of the HRA are shown in Table 8.

Table 8. Health Risk Assessment Results

Toxic Air Contaminant	Prioritization Score	
	Cell	Module
Carbon monoxide	4.88E-03	1.37E-01
Hydrogen fluoride	3.08E-07	3.90E-03
Sulfur Dioxide	3.36E-06	4.25E-02
Oxides of Nitrogen	1.57E-07	1.99E-03
Total	**4.89E-03**	**1.85E-01**
Significance Threshold	*1.0*	*1.0*
Exceeds Threshold?	**No**	**No**

Source: Attachment B.

As shown in Table 8, the results of the HRA show that a thermal runaway of a cell or module would be considered a low-priority risk and thus would result in a less than significant impact.

Health Effects

Construction and operation of the proposed Project would generate criteria air pollutant emissions; however, the Project would not exceed the SCAQMD mass-emission thresholds.

The SCAB is designated as nonattainment for O_3 for the NAAQS and CAAQS. Thus, existing O_3 levels in the SCAB are at unhealthy levels during certain periods. The health effects associated with O_3 generally relate to reduced lung function. Because the Project would not involve construction activities that would result in O_3 precursor emissions (VOC or NO_x) that would exceed the SCAQMD thresholds, the Project is not anticipated to substantially contribute to regional O_3 concentrations and associated health impacts. Similar to construction, no SCAQMD threshold would be exceeded during operation.

In addition to O_3, NO_x emissions contribute to potential exceedances of the NAAQS and CAAQS for NO_2 (since NO_2 is a constituent of NO_x). Exposure to NO_2 can cause lung irritation, bronchitis, and pneumonia, and can lower resistance to respiratory infections. As depicted in Table 7, Project construction would not exceed the SCAQMD localized thresholds for NO_2. Thus, construction of the Project is not expected to exceed the NO_2 standards or contribute to associated health effects.

CO tends to be a localized impact associated with congested intersections. CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less than significant impact. Thus, the Project's CO emissions would not contribute to the health effects associated with this pollutant.

The SCAB is designated as nonattainment for PM_{10} under the CAAQS and nonattainment for $PM_{2.5}$ under the NAAQS and CAAQS. Particulate matter contains microscopic solids or liquid droplets that are so small they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing (EPA 2016). The Project would not generate emissions of PM_{10} or $PM_{2.5}$ that would exceed SCAQMD's LSTs. Accordingly, the Project's PM_{10} and $PM_{2.5}$ emissions are not expected to cause any increase in related localized or regional health effects for these pollutants.

In summary, the Project would not result in any potentially significant contribution to local or regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Impacts would be less than significant.

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

The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speed and direction; and the sensitivity of receiving location all contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the Project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and asphalt pavement application. Such odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities (SCAQMD 1993). The proposed Project would not create any new sources of odor during operation. Therefore, Project operations would result in an odor impact that would be less than significant.

4 Greenhouse Gas Emissions Assessment

4.1 Thresholds of Significance

The State of California has developed guidelines to address the significance of GHG emissions impacts based on Appendix G of the CEQA Guidelines. This analysis applies the recommended SCAQMD numeric GHG emissions thresholds to determine the potential for the project to generate GHG emissions, either directly or indirectly, that would have a significant impact on the environment.

In October 2008, SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008a). This guidance document, which builds on the previous guidance prepared by the CAPCOA, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_2e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (SCAQMD 2008b).

SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

Tier 1 Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.[4]

Tier 2 Consider whether or not the project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.

Tier 3 Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_2e per year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e per year), commercial projects (1,400 MT CO_2e per year), and mixed-use projects (3,000 MT CO_2e per year). Under option 2, a single numerical

[4] The Project has been determined to fall within the qualified exemption of Section 15132 of the CEQA Guidelines. Notwithstanding, in an abundance of caution and to confirm that the Project does not result in any peculiar effects, the City has prepared a GHG assessment to confirm that the Project's GHG emissions do not exceed the applicable screening threshold.

screening threshold of 3,000 MT CO_2e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.

Tier 4 Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO_2e per service population for project level analyses and 6.6 MT CO_2e per service population for plan level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5 Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

Because the proposed project consists of an industrial development, this analysis applies the recommended SCAQMD threshold of 3,000 MT CO_2e per year. Per the SCAQMD guidance, construction emissions should be amortized over the operational life of the project, which is assumed to be 30 years (SCAQMD 2008a). This impact analysis, therefore, adds amortized construction emissions to the estimated annual operational emissions and then compares operational emissions to the proposed SCAQMD threshold of 3,000 MT CO_2e per year.

4.2 Impact Analysis

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

Construction Emissions

Construction of the proposed Project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road haul and vendor trucks, and worker vehicles. As stated above, the SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime; therefore, the total construction GHG emissions were calculated, amortized over 30 years, and then compared to the SCAQMD operational GHG significance threshold of 3,000 MT CO_2e per year.

CalEEMod was used to estimate GHG emissions during construction. Construction of the project is anticipated to last up to 6 months. On-site sources of GHG emissions include off-road equipment and off-site sources include on-road vehicles (haul and vendor trucks and worker vehicles). Table 9 presents construction GHG emissions for the project from on-site and off-site emission sources.

Table 9. Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	CO_2e
	Metric Tons			
2021	222.82	0.06	0.00	224.30
2022	425.47	0.10	0.00	428.04
			Total	**652.34**

Table 9. Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	CO_2e
	Metric Tons			
Annualized emissions over 30 years (metric tons per year)				*21.74*

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Attachment A for complete results.

As shown in Table 9, the estimated total GHG emissions during construction of the proposed Project would be approximately 652 MT CO_2e. Estimated project-generated construction emissions amortized over 30 years would be approximately 22 MT CO_2e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the Project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is determined by adding the amortized construction emissions to the operational emissions and comparing them to the operational threshold.

Operational Emissions

CalEEMod was used to estimate potential project-generated operational GHG emissions from area sources, energy sources (electricity), mobile sources, off-road equipment, and waste, and water/wastewater. Emissions from each category are discussed in the following text with respect to the proposed project. For additional details, see Section 2.2 for a discussion of operational emission calculation methodology and assumptions. Operational year 2022 was assumed following completion of construction. Table 10 shows the estimated operational and amortized construction emissions from the project.

Table 10. Estimated Annual Operation GHG Emissions

Emissions Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Area	0.00	0.00	0.00	130.09
Energy	396.74	0.00	0.00	396.74
Mobile	1.57	0.00	0.00	1.57
Off-road	0.25	0.00	0.00	0.26
Waste	7.82	0.46	0.00	19.38
Water	0.34	0.00	0.00	0.34
			Amortized construction emissions	*21.74*
			Total	**570.12**
			SCAQMD Threshold	*3,000*
			Threshold Exceeded?	No

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent; SCAQMD = South Coast Air Quality Management District.
See Attachment A for complete results.

As shown in Table 10, the estimated total GHG emissions during operation of the Project would be approximately 570 MT CO_2e per year, including amortized construction emissions. The Project would not exceed the SCAQMD threshold of 3,000 MT CO_2e per year. Projects below this significance criterion have a minimal contribution to global emissions and are considered to have less than significant impacts. Therefore, operational impacts associated with directly or indirectly generating a significant quantity of GHG emissions would be less than significant.

4.2.2 Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Consistency with the City of Beaumont Sustainable Beaumont Plan

In October 2015, the City adopted a climate action plan known as the Sustainable Beaumont Plan, which commits the City to a more energy efficient pathway. The Sustainable Beaumont Plan provided measures to meet the goal of reducing community GHG emissions 15% decrease from 2005 levels, as recommended in the AB 32 Scoping Plan. The goal for 2030 is to reduce GHG emissions 41.7% below 2012 levels, which would put the City on a path toward the State's long-term goal to reduce emissions 80% below 1990 levels by 2050. The reduction measures listed in the Sustainable Beaumont Plan are estimated to reduce 162,174 MT CO_2e by 2030, which meets the 2030 target (SB 2015, p. 64). The Sustainable Beaumont Plan will serve as a foundation that can be built upon in updated versions of the 2040 General Plan or similar document to meet the 2030 goals and beyond.

The Project site is zoned Manufacturing with a General Plan land use designation of Industrial under the 2040 General Plan. The future emissions estimate of the Sustainable Beaumont Plan therefore account for the implementation of the project as it is consistent with the 2040 General Plan. Energy stored in the Project will then be discharged into the grid when the energy is needed, providing important electrical reliability services to the local area. The Project would also store excess renewable energy generated to be used when demand is higher. Therefore, the Project would be consistent with the City's Sustainable Beaumont Plan and impacts would be less than significant.

Consistency with the 2016 SCAG RTP/SCS and Connect SoCal

SCAG's 2016 RTP/SCS is a regional growth-management strategy that targets per capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region. The 2016 RTP/SCS incorporates local land use projections and circulation networks in city and county general plans. Typically, a project would be consistent with the RTP/SCS if the project does not exceed the underlying growth assumptions within the RTP/SCS. Because the project is not growth inducing, this type of consistency analysis does not apply. However, the major goals of the 2016 RTP/SCS are outlined in Table 11, along with the project's consistency with them.

Table 11. Project Consistency with the 2016 SCAG RTP/SCS

RTP/SCS Measure	Project Consistency
Preserve the Transportation System We Already Have	*Does not apply.* The project would not inhibit SCAG from preserving the existing transportation system.
Expand Our Regional Transit System to Give People More Alternatives to Driving Alone	*Does not apply.* The project would not inhibit SCAG from expanding the regional transit system.
Expand Passenger Rail	*Does not apply.* The project would not inhibit SCAG from expanding the passenger rail system.

Table 11. Project Consistency with the 2016 SCAG RTP/SCS

RTP/SCS Measure	Project Consistency
Improve Highway and Arterial Capacity	*Does not apply.* The project would not inhibit SCAG from improving highway and arterial capacity.
Manage Demands on the Transportation System	*Does not apply.* The project would not inhibit SCAG from managing the demands on the transportation system.
Optimize the Performance of the Transportation System	*Does not apply.* The project would not inhibit SCAG from optimizing the performance of the transportation system.
Promoting Walking, Biking and Other Forms of Active Transportation	*Does not apply.* The project would not inhibit SCAG from promoting walking, biking, and other forms of active transportation.
Strengthen the Regional Transportation Network for Goods Movement	*Does not apply.* The project would not inhibit SCAG from strengthening the regional transportation network for goods movement.
Leverage Technology	*Does not apply.* The project would not inhibit SCAG from leveraging technology for the transportation system.
Improve Airport Access	*Does not apply.* The project would not inhibit SCAG from improving airport access.
Focus New Growth Around Transit	*Does not apply.* The project would not inhibit SCAG from focusing new growth around transit corridors.
Improve Air Quality and GHG	*Consistent*. The project would result in criteria air pollutant and GHG emissions during construction and operation. However, emissions would not exceed the SCAQMD significance thresholds. The project would also support the use and storage of renewable energy sources and would help the state to decarbonize the electrical grid.
Preserve Natural Lands	*Consistent*. The project site is vacant yet disturbed and is not considered natural lands.

Source: SCAG 2016.
Notes: SCAG = Southern California Association of Governments; RTP/SCS = Regional Transportation Plan/Sustainable Communities Strategy.

As shown in Table 11, the Project would not conflict with the goals in SCAG's 2016 RTP/SCS. The project would conflict with the goal to improve air quality and GHG in the region. However, as shown in Sections 3.2.2 and 4.2.1, the project would not exceed any SCAQMD thresholds and would not result in a substantial amount of air pollutant or GHG emissions.

While striving to achieve the NAAQS for O_3 and $PM_{2.5}$ and the CAAQS for O_3, PM_{10}, and $PM_{2.5}$ through a variety of air quality control measures, the SCAQMD 2016 AQMP also accommodates planned growth in the SCAB. Projects are considered consistent with, and would not conflict with or obstruct implementation of, the AQMP if the growth in socioeconomic factors (e.g., population, employment) is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook). As discussed in Section 3.2.1, the demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by SCAG for their 2016–2040 RTP/SCS, which are based on general plans for cities and counties in the SCAB, were used to estimate future emissions in the 2016 AQMP (SCAQMD 2017). Accordingly, the 2016 AQMP is generally consistent with local government plans. The project does not have growth-

inducing components and thus would not conflict with the growth projections within the 2016 AQMP. Therefore, the project would be consistent with the goals of the 2016 AQMP.

On May 7, 2020, SCAG's Regional Council adopted Connect SoCal (2020–2045 Regional Transportation Plan/Sustainable Communities Strategy) for federal transportation conformity purposes only. Connect SoCal is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. It charts a path toward a more mobile, sustainable and prosperous region by making connections between transportation networks, between planning strategies and between the people whose collaboration can improve the quality of life for Southern Californians. Because the proposed project is not growth inducing, this type of consistency analysis does not apply. However, the major goals of the Connect SoCal are outlined in Table 12, along with the project's consistency with them.

Table 12. Project Consistency with the 2020 SCAG RTP/SCS – Connect SoCal

RTP/SCS Measure	Project Consistency
Encourage regional economic prosperity and global competitiveness.	*Does not apply.* The project would not inhibit SCAG from encouraging regional economic prosperity and global competitiveness.
Improve mobility, accessibility, reliability, and travel safety for people and goods.	*Does not apply.* The project would not inhibit SCAG from strengthening the regional transportation network for goods movement.
Enhance the preservation, security, and resilience of the regional transportation system.	*Does not apply.* The project would not inhibit SCAG from enhancing the resilience of the regional transportation system.
Increase person and goods movement and travel choices within the transportation system.	*Does not apply.* The project would not inhibit SCAG from increasing person and goods movement and travel choices within the transportation system.
Reduce greenhouse gas emissions and improve air quality.	*Consistent*. The project would result in criteria air pollutant and GHG emissions during construction and operation. However, emissions would not exceed the SCAQMD significance thresholds. The project would also support the use and storage of renewable energy sources.
Support healthy and equitable communities.	*Does not apply.* The project would not inhibit SCAG from supporting healthy and equitable communities.
Adapt to a changing climate and support an integrated regional development pattern and transportation network.	*Consistent*. The project would support the use and storage of renewable energy sources, supporting the adaptation to a changing climate.
Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	*Does not apply.* The project would not inhibit SCAG from leveraging technology for the transportation system.
Encourage development of diverse housing types in areas that are supported by multiple transportation options.	*Does not apply.* The project would not inhibit SCAG from encouraging development of diverse housing types.
Promote conservation of natural and agricultural lands and restoration of habitats.	*Consistent*. The project would not impact natural lands during construction or operation.

Source: SCAG 2020.

Notes: SCAG = Southern California Association of Governments; RTP/SCS = Regional Transportation Plan/Sustainable Communities Strategy.

As shown in Table 12, the project would be consistent with all applicable measures within the SCAG Connect SoCal RTP/SCS.

Consistency with the California Air Resources Board Scoping Plan

The California Air Resources Board (CARB) Scoping Plan (approved by CARB in 2008 and updated in 2014 and 2017) provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHG emissions. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.[5] It does provide recommendations for lead agencies to develop evidence-based numeric thresholds consistent with the Scoping Plan, the state's long-term GHG goals, and climate change science. Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. Table 13 highlights measures that have been, or will be, developed under the Scoping Plan and presents the proposed project's consistency with Scoping Plan measures. The project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the Project.

Table 13. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Transportation Sector		
Advanced Clean Cars	T-1	*Consistent.* The project's employees would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
Low Carbon Fuel Standard	T-2	*Consistent.* Motor vehicles driven by the project's employees would use compliant fuels.
Regional Transportation-Related GHG Targets	T-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Advanced Clean Transit	N/A	*Not applicable.* The project would not prevent CARB from implementing this measure.

[5] The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009).

Table 13. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Last-Mile Delivery	N/A	*Not applicable.* The project would not prevent CARB from implementing this measure.
Reduction in VMT	N/A	*Not applicable.* The project would not prevent CARB from implementing this measure.
Vehicle Efficiency Measures 1. Tire Pressure 2. Fuel Efficiency Tire Program 3. Low-Friction Oil 4. Solar-Reflective Automotive Paint and Window Glazing	T-4	*Not applicable.* The project would not prevent CARB from implementing this measure.
Ship Electrification at Ports (Shore Power)	T-5	*Not applicable.* The project would not prevent CARB from implementing this measure.
Goods Movement Efficiency Measures 1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition 3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction	T-6	*Not applicable.* The project would not prevent CARB from implementing this measure.
Heavy-Duty Vehicle GHG Emission Reduction • Tractor-Trailer GHG Regulation • Heavy-Duty Greenhouse Gas Standards for New Vehicle and Engines (Phase I)	T-7	*Not applicable.* The project would not prevent CARB from implementing this measure.
Medium- and Heavy-Duty Vehicle Hybridization Voucher Incentive Project	T-8	*Not applicable.* The project would not prevent CARB from implementing this measure.
Medium and Heavy-Duty GHG Phase 2	N/A	*Not applicable.* The project would not prevent CARB from implementing this measure.
High-Speed Rail	T-9	*Not applicable.* The project would not prevent CARB from implementing this measure.
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	*Consistent.* The project would be constructed in accordance with CALGreen and Title 24 building standards.

Table 13. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Energy Efficiency (Natural Gas)	CR-1	*Consistent.* The project would be constructed in accordance with CALGreen and Title 24 building standards.
Solar Water Heating (California Solar Initiative Thermal Program)	CR-2	*Not applicable.* The project would not prevent CARB from implementing this measure.
Combined Heat and Power	E-2	*Not applicable.* The project would not prevent CARB from implementing this measure.
Renewables Portfolio Standard (33% by 2020)	E-3	*Consistent.* The project would support the development of renewable energy through energy storage.
Renewables Portfolio Standard (50% by 2050)	N/A	*Consistent.* The project would support the development of renewable energy through energy storage.
SB 1 Million Solar Roofs (California Solar Initiative, New Solar Home Partnership, Public Utility Programs) and Earlier Solar Programs	E-4	*Not applicable.* The project would not prevent CARB from implementing this measure.
Water Sector		
Water Use Efficiency	W-1	*Not applicable.* The project would not prevent CARB from implementing this measure.
Water Recycling	W-2	*Not applicable.* The project would not prevent CARB from implementing this measure.
Water System Energy Efficiency	W-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Reuse Urban Runoff	W-4	*Not applicable.* The project would not prevent CARB from implementing this measure.
Renewable Energy Production	W-5	*Not applicable.* The project would not prevent CARB from implementing this measure.
Green Buildings		
State Green Building Initiative: Leading the Way with State Buildings (Greening New and Existing State Buildings)	GB-1	*Not applicable.* The project would not prevent CARB from implementing this measure.
Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	*Not applicable.* The project would not prevent CARB from implementing this measure.
Beyond Code: Voluntary Programs at the Local Level (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	*Not applicable.* The project would not prevent CARB from implementing this measure.

Table 13. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Greening Existing Buildings (Greening Existing Homes and Commercial Buildings)	GB-1	*Not applicable.* The project would not prevent CARB from implementing this measure.
Industry Sector		
Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	I-1	*Not applicable.* The project would not prevent CARB from implementing this measure.
Oil and Gas Extraction GHG Emission Reduction	I-2	*Not applicable.* The project would not prevent CARB from implementing this measure.
Reduce GHG Emissions by 20% in Oil Refinery Sector	N/A	*Not applicable.* The project would not prevent CARB from implementing this measure.
GHG Emissions Reduction from Natural Gas Transmission and Distribution	I-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Refinery Flare Recovery Process Improvements	I-4	*Not applicable.* The project would not prevent CARB from implementing this measure.
Work with the Local Air Districts to Evaluate Amendments to Their Existing Leak Detection and Repair Rules for Industrial Facilities to Include Methane Leaks	I-5	*Not applicable.* The project would not prevent CARB from implementing this measure.
Recycling and Waste Management Sector		
Landfill Methane Control Measure	RW-1	*Not applicable.* The project would not prevent CARB from implementing this measure.
Increasing the Efficiency of Landfill Methane Capture	RW-2	*Not applicable.* The project would not prevent CARB from implementing this measure.
Mandatory Commercial Recycling	RW-3	*Consistent.* The project would include recycling during both construction and operation.
Increase Production and Markets for Compost and Other Organics	RW-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Anaerobic/Aerobic Digestion	RW-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Extended Producer Responsibility	RW-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Environmentally Preferable Purchasing	RW-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Forests Sector		
Sustainable Forest Target	F-1	*Not applicable.* The project would not prevent CARB from implementing this measure.

Table 13. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
High GWP Gases Sector		
Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing	H-1	*Not applicable.* The project would not prevent CARB from implementing this measure.
SF_6 Limits in Non-Utility and Non-Semiconductor Applications	H-2	*Not applicable.* The project would not prevent CARB from implementing this measure.
Reduction of Perfluorocarbons (PFCs) in Semiconductor Manufacturing	H-3	*Not applicable.* The project would not prevent CARB from implementing this measure.
Limit High GWP Use in Consumer Products	H-4	*Not applicable.* The project would not prevent CARB from implementing this measure.
Air Conditioning Refrigerant Leak Test During Vehicle Smog Check	H-5	*Not applicable.* The project would not prevent CARB from implementing this measure.
Stationary Equipment Refrigerant Management Program – Refrigerant Tracking/Reporting/Repair Program	H-6	*Not applicable.* The project would not prevent CARB from implementing this measure.
Stationary Equipment Refrigerant Management Program – Specifications for Commercial and Industrial Refrigeration	H-6	*Not applicable.* The project would not prevent CARB from implementing this measure.
SF_6 Leak Reduction Gas Insulated Switchgear	H-6	*Consistent.* The project would use SF_6 in its switchgear equipment and limit leaks in accordance with CARB regulations.
40% Reduction in Methane and Hydrofluorocarbon (HFC) Emissions	N/A	*Not applicable.* The project would not prevent CARB from implementing this measure.
50% Reduction in Black Carbon Emissions	N/A	*Not applicable.* The project would not prevent CARB from implementing this measure.
Agriculture Sector		
Methane Capture at Large Dairies	A-1	*Not applicable.* The project would not prevent CARB from implementing this measure.

Source: CARB 2008, 2017.
Notes: GHG = greenhouse gas; CARB = California Air Resources Board; N/A = not applicable; VMT = vehicle miles traveled; CALGreen = California Green Building Standards; SB = Senate Bill; GWP = global warming potential; SF_6 = sulfur hexafluoride.

Based on the analysis in Table 13, the Project would be consistent with the applicable strategies and measures in the Scoping Plan.

The Project would not impede the attainment of the GHG reduction goals for 2030 or 2050 identified in Executive Order (EO) S-03-05 and SB 32. EO S-03-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes for a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the

maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. While there are no established protocols or thresholds of significance for that future year analysis, CARB forecasts that compliance with the current Scoping Plan puts the state on a trajectory toward meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

To begin, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the First Update to the Climate Change Scoping Plan states the following (CARB 2014):

> This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and EO S-03-05. This is confirmed in the Second Update (CARB 2017), which states:

> The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasibility and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB 32, and AB 197.

The Project would not interfere with implementation of any of the previously described GHG reduction goals for 2030 or 2050 because the Project would not exceed SCAQMD's recommended screening threshold of 3,000 MT CO_2e per year (SCAQMD 2008a). Because the Project would not exceed the threshold, this analysis provides support for the conclusion that the Project would not impede the state's trajectory toward the previously described statewide GHG reduction goals for 2030 or 2050.

As discussed previously, the Project is consistent with the GHG emission reduction measures in the Scoping Plan and would not conflict with the state's trajectory toward future GHG reductions. In addition, since the specific path to compliance for the state in regard to the long-term goals will likely require development of technology or other changes that are not currently known or available, specific additional mitigation measures for the Project would be speculative and cannot be identified at this time. The Project's consistency would assist in meeting the City's contribution to GHG emission reduction targets in California. With respect to future GHG targets under SB 32 and EO S-03-05, CARB has also made clear its legal interpretation is that it has the requisite authority to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet SB 32's 40% reduction target by 2030 and EO S-03-05's 80% reduction target by 2050; this legal interpretation by an expert agency provides evidence that future regulations will be adopted to allow the state to continue on its trajectory

toward meeting these future GHG targets. Based on the considerations previously outlined, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and no mitigation is required. Therefore, the Project's impact associated with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs would be less than significant.

5 Conclusions

Criteria air pollutant emissions generated during construction and operation of the proposed Project would not exceed SCAQMD's significance thresholds or result in a cumulatively considerable net increase in emissions. Similarly, the emissions would also not exceed the LST significance thresholds for sensitive receptors during construction, or create a CO hotspot. The HRA prepared for the Project showed that the Project would be considered low risk; therefore, the Project would result in a less than significant impact.

Estimated total GHG emissions generated during operation, including amortized construction emissions, would be below SCAQMD's threshold of 3,000 MT CO_2e per year. The Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, as there are currently no mandatory GHG regulations or finalized agency guidelines that would apply to implementation of this Project. Accordingly, potential cumulative GHG impacts would be less than significant.

Overall, the Project would not result in significant impacts to air quality or GHG emissions.

Sincerely,



Adam Poll, QEP, LEED AP BD+C
Senior Air Quality Specialist

Cc: Keith Carwana, Dudek

Att: A – CalEEMod Emissions Outputs
B – Health Risk Assessment Outputs

6 References

14 CCR 15000–15387 and Appendices A–L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

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Attachment A

CalEEMod Emissions Outputs

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Baumont Energy Storage Project

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	41.00	1000sqft	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	534	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - In accordance with SCE 2019 Sustainability Report.

Land Use - Based on estimated square footage of battery storage containers.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided information.

On-road Fugitive Dust - CalEEMod defaults.

Grading - Based on applicant provided information.

Vehicle Trips - Based on up to 4 staff performing maintenance visits bi-weekly.

Consumer Products - CalEEMod defaults.

Area Coating - No architectural coatings.

Energy Use - CalEEMod defaults. No natural gas.

Water And Wastewater - Water use for landscaping only.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403. Per PDF-AQ-1, construction equipment will be Tier 3 or better.

Operational Off-Road Equipment - Based on maintenance every 5 years.

Fleet Mix - Worker vehicles only traveling to the site.

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

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Baumont Energy Storage Project - South Coast AQMD Air District, Annual

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	100.00	64.00
tblConstructionPhase	NumDays	100.00	64.00
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tblEnergyUse	T24NG	3.25	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.50
tblFleetMix	LDT1	0.04	0.25
tblFleetMix	LDT2	0.20	0.25
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8460e-003	0.00
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tblFleetMix	MH	8.9600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.0990e-003	0.00
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tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
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tblTripsAndVMT	VendorTripNumber	0.00	2.00

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tblTripsAndVMT	VendorTripNumber	7.00	20.00
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tblTripsAndVMT	WorkerTripNumber	17.00	20.00
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tblVehicleTrips	SU_TR	1.68	0.00
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tblWater	OutdoorWaterUseRate	0.00	125,387.00

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					
2021	0.1372	1.6235	0.9496	2.5300e-003	0.1416	0.0614	0.2030	0.0516	0.0566	0.1082	0.0000	225.3994	225.3994	0.0596	0.0000	226.8900
2022	0.2787	2.7774	2.4643	4.8500e-003	0.0222	0.1342	0.1564	6.0700e-003	0.1255	0.1316	0.0000	426.7189	426.7189	0.1030	0.0000	429.2948
Maximum	**0.2787**	**2.7774**	**2.4643**	**4.8500e-003**	**0.1416**	**0.1342**	**0.2030**	**0.0516**	**0.1255**	**0.1316**	**0.0000**	**426.7189**	**426.7189**	**0.1030**	**0.0000**	**429.2948**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0564	1.1505	1.2825	2.5300e-003	0.0264	0.0519	0.0783	7.9900e-003	0.0519	0.0598	0.0000	222.8186	222.8186	0.0594	0.0000	224.3026
2022	0.1113	2.3046	2.9001	4.8500e-003	0.0222	0.1258	0.1479	6.0700e-003	0.1257	0.1318	0.0000	425.4673	425.4673	0.1029	0.0000	428.0399
Maximum	**0.1113**	**2.3046**	**2.9001**	**4.8500e-003**	**0.0264**	**0.1258**	**0.1479**	**7.9900e-003**	**0.1257**	**0.1318**	**0.0000**	**425.4673**	**425.4673**	**0.1029**	**0.0000**	**428.0399**

	ROG	NOx	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	**59.67**	**21.49**	**-22.52**	**0.00**	**70.32**	**9.21**	**37.05**	**75.62**	**2.48**	**20.08**	**0.00**	**0.59**	**0.59**	**0.25**	**0.00**	**0.59**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2021	12-31-2021	2.8513	1.9031
2	1-1-2022	3-31-2022	3.0683	2.4252
		Highest	3.0683	2.4252

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	0.1482	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0200e-003	1.0200e-003	0.0000	0.0000	1.0800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	396.7415	396.7415	0.0000	0.0000	396.7415
Mobile	3.1000e-004	4.8000e-004	5.6000e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5666	1.5666	4.0000e-005	0.0000	1.5676
Offroad	1.9000e-004	2.0900e-003	9.5000e-004	0.0000		9.0000e-005	9.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	7.8233	0.0000	7.8233	0.4623	0.0000	19.3818
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.3374	0.3374	0.0000	0.0000	0.3374
Total	**0.1487**	**2.5700e-003**	**7.0700e-003**	**2.0000e-005**	**1.8700e-003**	**1.0000e-004**	**1.9800e-003**	**5.0000e-004**	**9.0000e-005**	**5.9000e-004**	**7.8233**	**398.9000**	**406.7233**	**0.4625**	**0.0000**	**418.2850**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1482	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0200e-003	1.0200e-003	0.0000	0.0000	1.0800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	396.7415	396.7415	0.0000	0.0000	396.7415
Mobile	3.1000e-004	4.8000e-004	5.6000e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5666	1.5666	4.0000e-005	0.0000	1.5676
Offroad	1.9000e-004	2.0900e-003	9.5000e-004	0.0000		9.0000e-005	9.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	7.8233	0.0000	7.8233	0.4623	0.0000	19.3818
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.3374	0.3374	0.0000	0.0000	0.3374
Total	**0.1487**	**2.5700e-003**	**7.0700e-003**	**2.0000e-005**	**1.8700e-003**	**1.0000e-004**	**1.9800e-003**	**5.0000e-004**	**9.0000e-005**	**5.9000e-004**	**7.8233**	**398.9000**	**406.7233**	**0.4625**	**0.0000**	**418.2850**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
2	Switchyard Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
3	Grading	Grading	10/15/2021	12/15/2021	5	44	
4	Switchyard Grading	Grading	10/29/2021	11/29/2021	5	22	
5	Switchyard Installation	Building Construction	1/1/2022	3/31/2022	5	64	
6	Battery/Container Installation	Building Construction	1/1/2022	3/31/2022	5	64	

Acres of Grading (Site Preparation Phase): 6.25

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

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 Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	10.00	203	0.36
Site Preparation	Skid Steer Loaders	2	10.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Site Preparation	Graders	0	8.00	187	0.41
Switchyard Site Preparation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Graders	2	10.00	187	0.41
Grading	Plate Compactors	2	10.00	8	0.43

Grading	Rollers	2	10.00	80	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Rubber Tired Loaders	2	10.00	203	0.36
Grading	Skid Steer Loaders	2	10.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Switchyard Grading	Graders	2	10.00	187	0.41
Switchyard Grading	Plate Compactors	2	10.00	8	0.43
Switchyard Grading	Rollers	2	10.00	80	0.38
Switchyard Grading	Rubber Tired Dozers	0	1.00	247	0.40
Switchyard Grading	Rubber Tired Loaders	2	10.00	203	0.36
Switchyard Grading	Skid Steer Loaders	2	8.00	65	0.37
Switchyard Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Installation	Aerial Lifts	2	10.00	63	0.31
Switchyard Installation	Air Compressors	1	10.00	78	0.48
Switchyard Installation	Bore/Drill Rigs	1	10.00	221	0.50
Switchyard Installation	Cranes	1	10.00	231	0.29
Switchyard Installation	Excavators	1	10.00	158	0.38
Switchyard Installation	Forklifts	0	6.00	89	0.20
Switchyard Installation	Generator Sets	1	10.00	84	0.74
Switchyard Installation	Rollers	1	10.00	80	0.38
Switchyard Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Switchyard Installation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Installation	Skid Steer Loaders	1	10.00	65	0.37
Switchyard Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Switchyard Installation	Trenchers	2	10.00	78	0.50
Battery/Container Installation	Air Compressors	2	10.00	78	0.48

Battery/Container Installation	Cranes	1	10.00	231	0.29
Battery/Container Installation	Excavators	1	10.00	158	0.38
Battery/Container Installation	Forklifts	0	6.00	89	0.20
Battery/Container Installation	Generator Sets	1	10.00	84	0.74
Battery/Container Installation	Plate Compactors	1	10.00	8	0.43
Battery/Container Installation	Rollers	1	10.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	1	10.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Battery/Container Installation	Trenchers	1	10.00	78	0.50

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
Site Preparation	6	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Site Preparation	4	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	20.00	4.00	988.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Grading	12	20.00	2.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Installation	15	20.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	11	20.00	20.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.3100e-003	0.0000	3.3100e-003	3.6000e-004	0.0000	3.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.0974	0.0667	1.5000e-004		3.8900e-003	3.8900e-003		3.5800e-003	3.5800e-003	0.0000	12.7522	12.7522	4.1200e-003	0.0000	12.8553
Total	**8.2600e-003**	**0.0974**	**0.0667**	**1.5000e-004**	**3.3100e-003**	**3.8900e-003**	**7.2000e-003**	**3.6000e-004**	**3.5800e-003**	**3.9400e-003**	**0.0000**	**12.7522**	**12.7522**	**4.1200e-003**	**0.0000**	**12.8553**

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	3.0000e-005	9.7000e-004	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2442	0.2442	2.0000e-005	0.0000	0.2445
Worker	4.2000e-004	3.1000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9557	0.9557	3.0000e-005	0.0000	0.9563
Total	**4.5000e-004**	**1.2800e-003**	**3.7200e-003**	**1.0000e-005**	**1.1600e-003**	**1.0000e-005**	**1.1700e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1998**	**1.1998**	**5.0000e-005**	**0.0000**	**1.2008**

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1000e-004	0.0000	2.1000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5700e-003	0.0745	0.0918	1.5000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	12.7522	12.7522	4.1200e-003	0.0000	12.8553
Total	**3.5700e-003**	**0.0745**	**0.0918**	**1.5000e-004**	**2.1000e-004**	**3.9900e-003**	**4.2000e-003**	**2.0000e-005**	**3.9900e-003**	**4.0100e-003**	**0.0000**	**12.7522**	**12.7522**	**4.1200e-003**	**0.0000**	**12.8553**

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	3.0000e-005	9.7000e-004	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2442	0.2442	2.0000e-005	0.0000	0.2445
Worker	4.2000e-004	3.1000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9557	0.9557	3.0000e-005	0.0000	0.9563
Total	**4.5000e-004**	**1.2800e-003**	**3.7200e-003**	**1.0000e-005**	**1.1600e-003**	**1.0000e-005**	**1.1700e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1998**	**1.1998**	**5.0000e-005**	**0.0000**	**1.2008**

3.3 Switchyard Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0753	0.0000	0.0753	0.0414	0.0000	0.0414	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1608	0.0787	1.5000e-004		8.0500e-003	8.0500e-003		7.4100e-003	7.4100e-003	0.0000	12.7942	12.7942	4.1400e-003	0.0000	12.8976
Total	**0.0154**	**0.1608**	**0.0787**	**1.5000e-004**	**0.0753**	**8.0500e-003**	**0.0833**	**0.0414**	**7.4100e-003**	**0.0488**	**0.0000**	**12.7942**	**12.7942**	**4.1400e-003**	**0.0000**	**12.8976**

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	3.0000e-005	9.7000e-004	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2442	0.2442	2.0000e-005	0.0000	0.2445
Worker	4.2000e-004	3.1000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9557	0.9557	3.0000e-005	0.0000	0.9563
Total	**4.5000e-004**	**1.2800e-003**	**3.7200e-003**	**1.0000e-005**	**1.1600e-003**	**1.0000e-005**	**1.1700e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1998**	**1.1998**	**5.0000e-005**	**0.0000**	**1.2008**

3.3 Switchyard Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-003	0.0000	4.7000e-003	2.5800e-003	0.0000	2.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5600e-003	0.0722	0.0859	1.5000e-004		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	12.7942	12.7942	4.1400e-003	0.0000	12.8976
Total	**3.5600e-003**	**0.0722**	**0.0859**	**1.5000e-004**	**4.7000e-003**	**3.4400e-003**	**8.1400e-003**	**2.5800e-003**	**3.4400e-003**	**6.0200e-003**	**0.0000**	**12.7942**	**12.7942**	**4.1400e-003**	**0.0000**	**12.8976**

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	3.0000e-005	9.7000e-004	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2442	0.2442	2.0000e-005	0.0000	0.2445
Worker	4.2000e-004	3.1000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9557	0.9557	3.0000e-005	0.0000	0.9563
Total	**4.5000e-004**	**1.2800e-003**	**3.7200e-003**	**1.0000e-005**	**1.1600e-003**	**1.0000e-005**	**1.1700e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1998**	**1.1998**	**5.0000e-005**	**0.0000**	**1.2008**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0296	0.0000	0.0296	3.2200e-003	0.0000	3.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0709	0.8175	0.5009	1.1600e-003		0.0328	0.0328		0.0302	0.0302	0.0000	101.6153	101.6153	0.0325	0.0000	102.4275
Total	**0.0709**	**0.8175**	**0.5009**	**1.1600e-003**	**0.0296**	**0.0328**	**0.0624**	**3.2200e-003**	**0.0302**	**0.0335**	**0.0000**	**101.6153**	**101.6153**	**0.0325**	**0.0000**	**102.4275**

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	3.6300e-003	0.1288	0.0273	3.8000e-004	8.4900e-003	3.9000e-004	8.8800e-003	2.3300e-003	3.7000e-004	2.7000e-003	0.0000	36.8869	36.8869	2.5300e-003	0.0000	36.9501
Vendor	2.5000e-004	8.5100e-003	2.1100e-003	2.0000e-005	5.5000e-004	2.0000e-005	5.7000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	2.1485	2.1485	1.4000e-004	0.0000	2.1519
Worker	1.8300e-003	1.3600e-003	0.0153	5.0000e-005	4.8300e-003	4.0000e-005	4.8600e-003	1.2800e-003	3.0000e-005	1.3200e-003	0.0000	4.2049	4.2049	1.1000e-004	0.0000	4.2077
Total	**5.7100e-003**	**0.1386**	**0.0447**	**4.5000e-004**	**0.0139**	**4.5000e-004**	**0.0143**	**3.7700e-003**	**4.2000e-004**	**4.2000e-003**	**0.0000**	**43.2403**	**43.2403**	**2.7800e-003**	**0.0000**	**43.3097**

3.4 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8500e-003	0.0000	1.8500e-003	2.0000e-004	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.5771	0.7019	1.1600e-003		0.0296	0.0296		0.0296	0.0296	0.0000	99.8949	99.8949	0.0323	0.0000	100.7026
Total	**0.0280**	**0.5771**	**0.7019**	**1.1600e-003**	**1.8500e-003**	**0.0296**	**0.0315**	**2.0000e-004**	**0.0296**	**0.0298**	**0.0000**	**99.8949**	**99.8949**	**0.0323**	**0.0000**	**100.7026**

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	3.6300e-003	0.1288	0.0273	3.8000e-004	8.4900e-003	3.9000e-004	8.8800e-003	2.3300e-003	3.7000e-004	2.7000e-003	0.0000	36.8869	36.8869	2.5300e-003	0.0000	36.9501
Vendor	2.5000e-004	8.5100e-003	2.1100e-003	2.0000e-005	5.5000e-004	2.0000e-005	5.7000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	2.1485	2.1485	1.4000e-004	0.0000	2.1519
Worker	1.8300e-003	1.3600e-003	0.0153	5.0000e-005	4.8300e-003	4.0000e-005	4.8600e-003	1.2800e-003	3.0000e-005	1.3200e-003	0.0000	4.2049	4.2049	1.1000e-004	0.0000	4.2077
Total	**5.7100e-003**	**0.1386**	**0.0447**	**4.5000e-004**	**0.0139**	**4.5000e-004**	**0.0143**	**3.7700e-003**	**4.2000e-004**	**4.2000e-003**	**0.0000**	**43.2403**	**43.2403**	**2.7800e-003**	**0.0000**	**43.3097**

3.5 Switchyard Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0146	0.0000	0.0146	1.5700e-003	0.0000	1.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.4032	0.2428	5.7000e-004		0.0162	0.0162		0.0149	0.0149	0.0000	49.8088	49.8088	0.0159	0.0000	50.2068
Total	**0.0350**	**0.4032**	**0.2428**	**5.7000e-004**	**0.0146**	**0.0162**	**0.0308**	**1.5700e-003**	**0.0149**	**0.0165**	**0.0000**	**49.8088**	**49.8088**	**0.0159**	**0.0000**	**50.2068**

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	1.0000e-005	5.2000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1493	0.1493	1.0000e-005	0.0000	0.1496
Vendor	6.0000e-005	2.1300e-003	5.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.5371	0.5371	3.0000e-005	0.0000	0.5380
Worker	9.2000e-004	6.8000e-004	7.6700e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1025	2.1025	6.0000e-005	0.0000	2.1039
Total	**9.9000e-004**	**3.3300e-003**	**8.3100e-003**	**3.0000e-005**	**2.5800e-003**	**2.0000e-005**	**2.6100e-003**	**6.9000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.7889**	**2.7889**	**1.0000e-004**	**0.0000**	**2.7914**

3.5 Switchyard Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.1000e-004	0.0000	9.1000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0137	0.2822	0.3423	5.7000e-004		0.0144	0.0144		0.0144	0.0144	0.0000	48.9485	48.9485	0.0158	0.0000	49.3443
Total	**0.0137**	**0.2822**	**0.3423**	**5.7000e-004**	**9.1000e-004**	**0.0144**	**0.0153**	**1.0000e-004**	**0.0144**	**0.0145**	**0.0000**	**48.9485**	**48.9485**	**0.0158**	**0.0000**	**49.3443**

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	1.0000e-005	5.2000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1493	0.1493	1.0000e-005	0.0000	0.1496
Vendor	6.0000e-005	2.1300e-003	5.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.5371	0.5371	3.0000e-005	0.0000	0.5380
Worker	9.2000e-004	6.8000e-004	7.6700e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1025	2.1025	6.0000e-005	0.0000	2.1039
Total	**9.9000e-004**	**3.3300e-003**	**8.3100e-003**	**3.0000e-005**	**2.5800e-003**	**2.0000e-005**	**2.6100e-003**	**6.9000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.7889**	**2.7889**	**1.0000e-004**	**0.0000**	**2.7914**

3.6 Switchyard Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1756	1.7725	1.4243	2.7700e-003		0.0879	0.0879		0.0817	0.0817	0.0000	242.8861	242.8861	0.0688	0.0000	244.6061
Total	**0.1756**	**1.7725**	**1.4243**	**2.7700e-003**		**0.0879**	**0.0879**		**0.0817**	**0.0817**	**0.0000**	**242.8861**	**242.8861**	**0.0688**	**0.0000**	**244.6061**

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	1.7100e-003	0.0587	0.0145	1.6000e-004	4.0300e-003	1.1000e-004	4.1400e-003	1.1600e-003	1.0000e-004	1.2700e-003	0.0000	15.4878	15.4878	9.5000e-004	0.0000	15.5116
Worker	2.5100e-003	1.7800e-003	0.0206	7.0000e-005	7.0200e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.8969	5.8969	1.5000e-004	0.0000	5.9006
Total	**4.2200e-003**	**0.0605**	**0.0351**	**2.3000e-004**	**0.0111**	**1.6000e-004**	**0.0112**	**3.0200e-003**	**1.5000e-004**	**3.1800e-003**	**0.0000**	**21.3847**	**21.3847**	**1.1000e-003**	**0.0000**	**21.4122**

3.6 Switchyard Installation - 2022

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	0.0662	1.3829	1.7505	2.7700e-003		0.0750	0.0750		0.0750	0.0750	0.0000	242.8858	242.8858	0.0688	0.0000	244.6058
Total	**0.0662**	**1.3829**	**1.7505**	**2.7700e-003**		**0.0750**	**0.0750**		**0.0750**	**0.0750**	**0.0000**	**242.8858**	**242.8858**	**0.0688**	**0.0000**	**244.6058**

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	1.7100e-003	0.0587	0.0145	1.6000e-004	4.0300e-003	1.1000e-004	4.1400e-003	1.1600e-003	1.0000e-004	1.2700e-003	0.0000	15.4878	15.4878	9.5000e-004	0.0000	15.5116
Worker	2.5100e-003	1.7800e-003	0.0206	7.0000e-005	7.0200e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.8969	5.8969	1.5000e-004	0.0000	5.9006
Total	**4.2200e-003**	**0.0605**	**0.0351**	**2.3000e-004**	**0.0111**	**1.6000e-004**	**0.0112**	**3.0200e-003**	**1.5000e-004**	**3.1800e-003**	**0.0000**	**21.3847**	**21.3847**	**1.1000e-003**	**0.0000**	**21.4122**

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0947	0.8835	0.9697	1.6200e-003		0.0460	0.0460		0.0435	0.0435	0.0000	140.9158	140.9158	0.0320	0.0000	141.7164
Total	**0.0947**	**0.8835**	**0.9697**	**1.6200e-003**		**0.0460**	**0.0460**		**0.0435**	**0.0435**	**0.0000**	**140.9158**	**140.9158**	**0.0320**	**0.0000**	**141.7164**

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	1.0000e-005	4.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1476	0.1476	1.0000e-005	0.0000	0.1478
Vendor	1.7100e-003	0.0587	0.0145	1.6000e-004	4.0300e-003	1.1000e-004	4.1400e-003	1.1600e-003	1.0000e-004	1.2700e-003	0.0000	15.4878	15.4878	9.5000e-004	0.0000	15.5116
Worker	2.5100e-003	1.7800e-003	0.0206	7.0000e-005	7.0200e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.8969	5.8969	1.5000e-004	0.0000	5.9006
Total	**4.2300e-003**	**0.0610**	**0.0352**	**2.3000e-004**	**0.0111**	**1.6000e-004**	**0.0113**	**3.0300e-003**	**1.5000e-004**	**3.1900e-003**	**0.0000**	**21.5323**	**21.5323**	**1.1100e-003**	**0.0000**	**21.5600**

3.7 Battery/Container Installation - 2022

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	0.0367	0.8002	1.0793	1.6200e-003		0.0504	0.0504		0.0504	0.0504	0.0000	139.6644	139.6644	0.0319	0.0000	140.4619
Total	**0.0367**	**0.8002**	**1.0793**	**1.6200e-003**		**0.0504**	**0.0504**		**0.0504**	**0.0504**	**0.0000**	**139.6644**	**139.6644**	**0.0319**	**0.0000**	**140.4619**

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	1.0000e-005	4.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1476	0.1476	1.0000e-005	0.0000	0.1478
Vendor	1.7100e-003	0.0587	0.0145	1.6000e-004	4.0300e-003	1.1000e-004	4.1400e-003	1.1600e-003	1.0000e-004	1.2700e-003	0.0000	15.4878	15.4878	9.5000e-004	0.0000	15.5116
Worker	2.5100e-003	1.7800e-003	0.0206	7.0000e-005	7.0200e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.8969	5.8969	1.5000e-004	0.0000	5.9006
Total	**4.2300e-003**	**0.0610**	**0.0352**	**2.3000e-004**	**0.0111**	**1.6000e-004**	**0.0113**	**3.0300e-003**	**1.5000e-004**	**3.1900e-003**	**0.0000**	**21.5323**	**21.5323**	**1.1100e-003**	**0.0000**	**21.5600**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1000e-004	4.8000e-004	5.6000e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5666	1.5666	4.0000e-005	0.0000	1.5676
Unmitigated	3.1000e-004	4.8000e-004	5.6000e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5666	1.5666	4.0000e-005	0.0000	1.5676

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	8.20	0.00	5,020	5,020
Total	0.00	8.20	0.00	5,020	5,020

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
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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	396.7415	396.7415	0.0000	0.0000	396.7415
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	396.7415	396.7415	0.0000	0.0000	396.7415
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					
Refrigerated Warehouse-No Rail	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					
Refrigerated Warehouse-No Rail	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			
Refrigerated Warehouse-No Rail	1.63795e+006	396.7415	0.0000	0.0000	396.7415
Total		**396.7415**	**0.0000**	**0.0000**	**396.7415**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	1.63795e+006	396.7415	0.0000	0.0000	396.7415
Total		**396.7415**	**0.0000**	**0.0000**	**396.7415**

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	0.1482	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0200e-003	1.0200e-003	0.0000	0.0000	1.0800e-003
Unmitigated	0.1482	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0200e-003	1.0200e-003	0.0000	0.0000	1.0800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0200e-003	1.0200e-003	0.0000	0.0000	1.0800e-003
Total	**0.1482**	**0.0000**	**5.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0200e-003**	**1.0200e-003**	**0.0000**	**0.0000**	**1.0800e-003**

6.2 Area by SubCategory

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	0.1482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0200e-003	1.0200e-003	0.0000	0.0000	1.0800e-003
Total	**0.1482**	**0.0000**	**5.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0200e-003**	**1.0200e-003**	**0.0000**	**0.0000**	**1.0800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.3374	0.0000	0.0000	0.3374
Unmitigated	0.3374	0.0000	0.0000	0.3374

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0.125387	0.3374	0.0000	0.0000	0.3374
Total		**0.3374**	**0.0000**	**0.0000**	**0.3374**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0.125387	0.3374	0.0000	0.0000	0.3374
Total		**0.3374**	**0.0000**	**0.0000**	**0.3374**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.8233	0.4623	0.0000	19.3818
Unmitigated	7.8233	0.4623	0.0000	19.3818

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	38.54	7.8233	0.4623	0.0000	19.3818
Total		**7.8233**	**0.4623**	**0.0000**	**19.3818**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	38.54	7.8233	0.4623	0.0000	19.3818
Total		**7.8233**	**0.4623**	**0.0000**	**19.3818**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Cranes	1.9000e-004	2.0900e-003	9.5000e-004	0.0000		9.0000e-005	9.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Total	**1.9000e-004**	**2.0900e-003**	**9.5000e-004**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**0.2535**	**0.2535**	**8.0000e-005**	**0.0000**	**0.2555**

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

Baumont Energy Storage Project

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	41.00	1000sqft	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	534	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - In accordance with SCE 2019 Sustainability Report.

Land Use - Based on estimated square footage of battery storage containers.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided information.

On-road Fugitive Dust - CalEEMod defaults.

Grading - Based on applicant provided information.

Vehicle Trips - Based on up to 4 staff performing maintenance visits bi-weekly.

Consumer Products - CalEEMod defaults.

Area Coating - No architectural coatings.

Energy Use - CalEEMod defaults. No natural gas.

Water And Wastewater - Water use for landscaping only.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403. Per PDF-AQ-1, construction equipment will be Tier 3 or better.

Operational Off-Road Equipment - Based on maintenance every 5 years.

Fleet Mix - Worker vehicles only traveling to the site.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Baumont Energy Storage Project - South Coast AQMD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	100.00	64.00
tblConstructionPhase	NumDays	100.00	64.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.25	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.50
tblFleetMix	LDT1	0.04	0.25
tblFleetMix	LDT2	0.20	0.25
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8460e-003	0.00
tblFleetMix	MCY	4.8550e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.0990e-003	0.00
tblFleetMix	SBUS	7.0900e-004	0.00
tblFleetMix	UBUS	1.8280e-003	0.00
tblGrading	MaterialExported	0.00	4,400.00
tblGrading	MaterialImported	0.00	3,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	7.00	20.00
tblTripsAndVMT	VendorTripNumber	7.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	17.00	20.00
tblTripsAndVMT	WorkerTripNumber	17.00	20.00
tblVehicleTrips	ST_TR	1.68	0.20
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	9,481,250.00	0.00
tblWater	OutdoorWaterUseRate	0.00	125,387.00

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					
2021	10.0282	117.1706	70.5756	0.1828	31.4823	2.9845	35.4867	16.8117	2.7504	20.4957	0.0000	17,849.3808	17,849.3808	4.9759	0.0000	17,973.7764
2022	8.7082	86.7329	77.0641	0.1518	0.7042	4.1947	4.8989	0.1926	3.9224	4.1150	0.0000	14,733.3602	14,733.3602	3.5477	0.0000	14,822.0539
Maximum	**10.0282**	**117.1706**	**77.0641**	**0.1828**	**31.4823**	**4.1947**	**35.4867**	**16.8117**	**3.9224**	**20.4957**	**0.0000**	**17,849.3808**	**17,849.3808**	**4.9759**	**0.0000**	**17,973.7764**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2012	84.2364	97.8109	0.1828	2.6293	2.6732	5.3505	1.2262	2.6721	4.3081	0.0000	17,590.7853	17,590.7853	4.9490	0.0000	17,714.5098
2022	3.4790	71.9563	90.6844	0.1518	0.7042	3.9297	4.6339	0.1926	3.9292	4.1218	0.0000	14,690.2609	14,690.2609	3.5433	0.0000	14,778.8428
Maximum	**4.2012**	**84.2364**	**97.8109**	**0.1828**	**2.6293**	**3.9297**	**5.3505**	**1.2262**	**3.9292**	**4.3081**	**0.0000**	**17,590.7853**	**17,590.7853**	**4.9490**	**0.0000**	**17,714.5098**

	ROG	NOx	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	**59.01**	**23.40**	**-27.67**	**0.00**	**89.64**	**8.03**	**75.28**	**91.66**	**1.07**	**65.75**	**0.00**	**0.93**	**0.93**	**0.37**	**0.00**	**0.92**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0133	0.0165	0.2323	7.0000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		69.8939	69.8939	1.7800e-003		69.9384
Offroad	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**1.1985**	**4.2008**	**2.1288**	**6.4700e-003**	**0.0734**	**0.1743**	**0.2476**	**0.0194**	**0.1603**	**0.1798**		**628.7332**	**628.7332**	**0.1825**	**0.0000**	**633.2967**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0133	0.0165	0.2323	7.0000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		69.8939	69.8939	1.7800e-003		69.9384
Offroad	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**1.1985**	**4.2008**	**2.1288**	**6.4700e-003**	**0.0734**	**0.1743**	**0.2476**	**0.0194**	**0.1603**	**0.1798**		**628.7332**	**628.7332**	**0.1825**	**0.0000**	**633.2967**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
2	Switchyard Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
3	Grading	Grading	10/15/2021	12/15/2021	5	44	
4	Switchyard Grading	Grading	10/29/2021	11/29/2021	5	22	
5	Switchyard Installation	Building Construction	1/1/2022	3/31/2022	5	64	
6	Battery/Container Installation	Building Construction	1/1/2022	3/31/2022	5	64	

Acres of Grading (Site Preparation Phase): 6.25

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

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 Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	10.00	203	0.36
Site Preparation	Skid Steer Loaders	2	10.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Site Preparation	Graders	0	8.00	187	0.41
Switchyard Site Preparation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Graders	2	10.00	187	0.41
Grading	Plate Compactors	2	10.00	8	0.43

Grading	Rollers	2	10.00	80	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Rubber Tired Loaders	2	10.00	203	0.36
Grading	Skid Steer Loaders	2	10.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Switchyard Grading	Graders	2	10.00	187	0.41
Switchyard Grading	Plate Compactors	2	10.00	8	0.43
Switchyard Grading	Rollers	2	10.00	80	0.38
Switchyard Grading	Rubber Tired Dozers	0	1.00	247	0.40
Switchyard Grading	Rubber Tired Loaders	2	10.00	203	0.36
Switchyard Grading	Skid Steer Loaders	2	8.00	65	0.37
Switchyard Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Installation	Aerial Lifts	2	10.00	63	0.31
Switchyard Installation	Air Compressors	1	10.00	78	0.48
Switchyard Installation	Bore/Drill Rigs	1	10.00	221	0.50
Switchyard Installation	Cranes	1	10.00	231	0.29
Switchyard Installation	Excavators	1	10.00	158	0.38
Switchyard Installation	Forklifts	0	6.00	89	0.20
Switchyard Installation	Generator Sets	1	10.00	84	0.74
Switchyard Installation	Rollers	1	10.00	80	0.38
Switchyard Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Switchyard Installation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Installation	Skid Steer Loaders	1	10.00	65	0.37
Switchyard Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Switchyard Installation	Trenchers	2	10.00	78	0.50
Battery/Container Installation	Air Compressors	2	10.00	78	0.48

Battery/Container Installation	Cranes	1	10.00	231	0.29
Battery/Container Installation	Excavators	1	10.00	158	0.38
Battery/Container Installation	Forklifts	0	6.00	89	0.20
Battery/Container Installation	Generator Sets	1	10.00	84	0.74
Battery/Container Installation	Plate Compactors	1	10.00	8	0.43
Battery/Container Installation	Rollers	1	10.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	1	10.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Battery/Container Installation	Trenchers	1	10.00	78	0.50

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
Site Preparation	6	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Site Preparation	4	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	20.00	4.00	988.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Grading	12	20.00	2.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Installation	15	20.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	11	20.00	20.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6628	0.0000	0.6628	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	1.6519	19.4838	13.3328	0.0290		0.7772	0.7772		0.7150	0.7150		2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**1.6519**	**19.4838**	**13.3328**	**0.0290**	**0.6628**	**0.7772**	**1.4400**	**0.0716**	**0.7150**	**0.7866**		**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.1908	0.0453	5.1000e-004	0.0128	3.8000e-004	0.0132	3.6900e-003	3.7000e-004	4.0500e-003		54.4877	54.4877	3.3000e-003		54.5701
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0900**	**0.2455**	**0.7987**	**2.7300e-003**	**0.2364**	**2.0300e-003**	**0.2384**	**0.0630**	**1.8900e-003**	**0.0649**		**275.9684**	**275.9684**	**9.2600e-003**		**276.1997**

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0414	0.0000	0.0414	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000
Off-Road	0.7133	14.9009	18.3624	0.0290		0.7980	0.7980		0.7980	0.7980	0.0000	2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**0.7133**	**14.9009**	**18.3624**	**0.0290**	**0.0414**	**0.7980**	**0.8393**	**4.4700e-003**	**0.7980**	**0.8024**	**0.0000**	**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.1908	0.0453	5.1000e-004	0.0128	3.8000e-004	0.0132	3.6900e-003	3.7000e-004	4.0500e-003		54.4877	54.4877	3.3000e-003		54.5701
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0900**	**0.2455**	**0.7987**	**2.7300e-003**	**0.2364**	**2.0300e-003**	**0.2384**	**0.0630**	**1.8900e-003**	**0.0649**		**275.9684**	**275.9684**	**9.2600e-003**		**276.1997**

3.3 Switchyard Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.0552	0.0000	15.0552	8.2756	0.0000	8.2756			0.0000			0.0000
Off-Road	3.0841	32.1677	15.7450	0.0291		1.6106	1.6106		1.4817	1.4817		2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**3.0841**	**32.1677**	**15.7450**	**0.0291**	**15.0552**	**1.6106**	**16.6658**	**8.2756**	**1.4817**	**9.7573**		**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.1908	0.0453	5.1000e-004	0.0128	3.8000e-004	0.0132	3.6900e-003	3.7000e-004	4.0500e-003		54.4877	54.4877	3.3000e-003		54.5701
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0900**	**0.2455**	**0.7987**	**2.7300e-003**	**0.2364**	**2.0300e-003**	**0.2384**	**0.0630**	**1.8900e-003**	**0.0649**		**275.9684**	**275.9684**	**9.2600e-003**		**276.1997**

3.3 Switchyard Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9395	0.0000	0.9395	0.5164	0.0000	0.5164			0.0000			0.0000
Off-Road	0.7127	14.4427	17.1816	0.0291		0.6872	0.6872		0.6872	0.6872	0.0000	2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**0.7127**	**14.4427**	**17.1816**	**0.0291**	**0.9395**	**0.6872**	**1.6266**	**0.5164**	**0.6872**	**1.2036**	**0.0000**	**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.1908	0.0453	5.1000e-004	0.0128	3.8000e-004	0.0132	3.6900e-003	3.7000e-004	4.0500e-003		54.4877	54.4877	3.3000e-003		54.5701
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0900**	**0.2455**	**0.7987**	**2.7300e-003**	**0.2364**	**2.0300e-003**	**0.2384**	**0.0630**	**1.8900e-003**	**0.0649**		**275.9684**	**275.9684**	**9.2600e-003**		**276.1997**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3459	0.0000	1.3459	0.1462	0.0000	0.1462			0.0000			0.0000
Off-Road	3.2209	37.1580	22.7674	0.0529		1.4914	1.4914		1.3740	1.3740		5,091.4426	5,091.4426	1.6278		5,132.1363
Total	**3.2209**	**37.1580**	**22.7674**	**0.0529**	**1.3459**	**1.4914**	**2.8373**	**0.1462**	**1.3740**	**1.5202**		**5,091.4426**	**5,091.4426**	**1.6278**		**5,132.1363**

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	0.1629	5.6808	1.2025	0.0172	0.3924	0.0176	0.4100	0.1075	0.0169	0.1244		1,862.6934	1,862.6934	0.1243		1,865.8001
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.2585**	**6.1170**	**2.0465**	**0.0205**	**0.6415**	**0.0200**	**0.6616**	**0.1742**	**0.0191**	**0.1933**		**2,193.1494**	**2,193.1494**	**0.1368**		**2,196.5699**

3.4 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0840	0.0000	0.0840	9.1200e-003	0.0000	9.1200e-003			0.0000			0.0000
Off-Road	1.2703	26.2329	31.9057	0.0529		1.3459	1.3459		1.3459	1.3459	0.0000	5,005.2442	5,005.2442	1.6188		5,045.7141
Total	**1.2703**	**26.2329**	**31.9057**	**0.0529**	**0.0840**	**1.3459**	**1.4298**	**9.1200e-003**	**1.3459**	**1.3550**	**0.0000**	**5,005.2442**	**5,005.2442**	**1.6188**		**5,045.7141**

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	0.1629	5.6808	1.2025	0.0172	0.3924	0.0176	0.4100	0.1075	0.0169	0.1244		1,862.6934	1,862.6934	0.1243		1,865.8001
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.2585**	**6.1170**	**2.0465**	**0.0205**	**0.6415**	**0.0200**	**0.6616**	**0.1742**	**0.0191**	**0.1933**		**2,193.1494**	**2,193.1494**	**0.1368**		**2,196.5699**

3.5 Switchyard Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3256	0.0000	1.3256	0.1431	0.0000	0.1431			0.0000			0.0000
Off-Road	3.1831	36.6563	22.0724	0.0519		1.4710	1.4710		1.3552	1.3552		4,991.3435	4,991.3435	1.5954		5,031.2278
Total	**3.1831**	**36.6563**	**22.0724**	**0.0519**	**1.3256**	**1.4710**	**2.7966**	**0.1431**	**1.3552**	**1.4984**		**4,991.3435**	**4,991.3435**	**1.5954**		**5,031.2278**

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	lb/day										lb/day					
Hauling	1.3200e-003	0.0460	9.7400e-003	1.4000e-004	3.1800e-003	1.4000e-004	3.3200e-003	8.7000e-004	1.4000e-004	1.0100e-003		15.0825	15.0825	1.0100e-003		15.1077
Vendor	5.5700e-003	0.1908	0.0453	5.1000e-004	0.0128	3.8000e-004	0.0132	3.6900e-003	3.7000e-004	4.0500e-003		54.4877	54.4877	3.3000e-003		54.5701
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0913**	**0.2915**	**0.8085**	**2.8700e-003**	**0.2395**	**2.1700e-003**	**0.2417**	**0.0639**	**2.0300e-003**	**0.0659**		**291.0509**	**291.0509**	**0.0103**		**291.3073**

3.5 Switchyard Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	1.2449	25.6518	31.1209	0.0519		1.3051	1.3051		1.3051	1.3051	0.0000	4,905.1450	4,905.1450	1.5864		4,944.8056
Total	**1.2449**	**25.6518**	**31.1209**	**0.0519**	**0.0827**	**1.3051**	**1.3879**	**8.9300e-003**	**1.3051**	**1.3141**	**0.0000**	**4,905.1450**	**4,905.1450**	**1.5864**		**4,944.8056**

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	1.3200e-003	0.0460	9.7400e-003	1.4000e-004	3.1800e-003	1.4000e-004	3.3200e-003	8.7000e-004	1.4000e-004	1.0100e-003		15.0825	15.0825	1.0100e-003		15.1077
Vendor	5.5700e-003	0.1908	0.0453	5.1000e-004	0.0128	3.8000e-004	0.0132	3.6900e-003	3.7000e-004	4.0500e-003		54.4877	54.4877	3.3000e-003		54.5701
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0913**	**0.2915**	**0.8085**	**2.8700e-003**	**0.2395**	**2.1700e-003**	**0.2417**	**0.0639**	**2.0300e-003**	**0.0659**		**291.0509**	**291.0509**	**0.0103**		**291.3073**

3.6 Switchyard Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.4859	55.3895	44.5081	0.0867		2.7481	2.7481		2.5538	2.5538		8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**5.4859**	**55.3895**	**44.5081**	**0.0867**		**2.7481**	**2.7481**		**2.5538**	**2.5538**		**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0522	1.8107	0.4278	5.0600e-003	0.1280	3.3300e-003	0.1313	0.0369	3.1800e-003	0.0400		540.1183	540.1183	0.0317		540.9115
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.1314**	**1.8601**	**1.1245**	**7.2000e-003**	**0.3516**	**4.9300e-003**	**0.3565**	**0.0961**	**4.6500e-003**	**0.1008**		**753.6630**	**753.6630**	**0.0371**		**754.5909**

3.6 Switchyard Installation - 2022

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	2.0692	43.2168	54.7029	0.0867		2.3448	2.3448		2.3448	2.3448	0.0000	8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**2.0692**	**43.2168**	**54.7029**	**0.0867**		**2.3448**	**2.3448**		**2.3448**	**2.3448**	**0.0000**	**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0522	1.8107	0.4278	5.0600e-003	0.1280	3.3300e-003	0.1313	0.0369	3.1800e-003	0.0400		540.1183	540.1183	0.0317		540.9115
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.1314**	**1.8601**	**1.1245**	**7.2000e-003**	**0.3516**	**4.9300e-003**	**0.3565**	**0.0961**	**4.6500e-003**	**0.1008**		**753.6630**	**753.6630**	**0.0371**		**754.5909**

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9591	27.6086	30.3037	0.0507		1.4368	1.4368		1.3593	1.3593		4,854.1571	4,854.1571	1.1033		4,881.7384
Total	**2.9591**	**27.6086**	**30.3037**	**0.0507**		**1.4368**	**1.4368**		**1.3593**	**1.3593**		**4,854.1571**	**4,854.1571**	**1.1033**		**4,881.7384**

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	4.3000e-004	0.0146	3.3100e-003	5.0000e-005	1.0900e-003	4.0000e-005	1.1300e-003	3.0000e-004	4.0000e-005	3.4000e-004		5.1235	5.1235	3.4000e-004		5.1320
Vendor	0.0522	1.8107	0.4278	5.0600e-003	0.1280	3.3300e-003	0.1313	0.0369	3.1800e-003	0.0400		540.1183	540.1183	0.0317		540.9115
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.1318**	**1.8747**	**1.1278**	**7.2500e-003**	**0.3526**	**4.9700e-003**	**0.3576**	**0.0964**	**4.6900e-003**	**0.1011**		**758.7865**	**758.7865**	**0.0375**		**759.7228**

3.7 Battery/Container Installation - 2022

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	1.1466	25.0046	33.7291	0.0507		1.5751	1.5751		1.5751	1.5751	0.0000	4,811.0578	4,811.0578	1.0988		4,838.5272
Total	**1.1466**	**25.0046**	**33.7291**	**0.0507**		**1.5751**	**1.5751**		**1.5751**	**1.5751**	**0.0000**	**4,811.0578**	**4,811.0578**	**1.0988**		**4,838.5272**

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	4.3000e-004	0.0146	3.3100e-003	5.0000e-005	1.0900e-003	4.0000e-005	1.1300e-003	3.0000e-004	4.0000e-005	3.4000e-004		5.1235	5.1235	3.4000e-004		5.1320
Vendor	0.0522	1.8107	0.4278	5.0600e-003	0.1280	3.3300e-003	0.1313	0.0369	3.1800e-003	0.0400		540.1183	540.1183	0.0317		540.9115
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.1318**	**1.8747**	**1.1278**	**7.2500e-003**	**0.3526**	**4.9700e-003**	**0.3576**	**0.0964**	**4.6900e-003**	**0.1011**		**758.7865**	**758.7865**	**0.0375**		**759.7228**

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	0.0133	0.0165	0.2323	7.0000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		69.8939	69.8939	1.7800e-003		69.9384
Unmitigated	0.0133	0.0165	0.2323	7.0000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		69.8939	69.8939	1.7800e-003		69.9384

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	8.20	0.00	5,020	5,020
Total	0.00	8.20	0.00	5,020	5,020

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
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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					
Refrigerated Warehouse-No Rail	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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Unmitigated	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.8122**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

6.2 Area by SubCategory

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	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.8122**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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
Cranes	1	8.00	1	231	0.29	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**		**558.8304**	**558.8304**	**0.1807**		**563.3488**

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

Baumont Energy Storage Project

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	41.00	1000sqft	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	534	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - In accordance with SCE 2019 Sustainability Report.

Land Use - Based on estimated square footage of battery storage containers.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided information.

On-road Fugitive Dust - CalEEMod defaults.

Grading - Based on applicant provided information.

Vehicle Trips - Based on up to 4 staff performing maintenance visits bi-weekly.

Consumer Products - CalEEMod defaults.

Area Coating - No architectural coatings.

Energy Use - CalEEMod defaults. No natural gas.

Water And Wastewater - Water use for landscaping only.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403. Per PDF-AQ-1, construction equipment will be Tier 3 or better.

Operational Off-Road Equipment - Based on maintenance every 5 years.

Fleet Mix - Worker vehicles only traveling to the site.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Baumont Energy Storage Project - South Coast AQMD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	100.00	64.00
tblConstructionPhase	NumDays	100.00	64.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.25	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.50
tblFleetMix	LDT1	0.04	0.25
tblFleetMix	LDT2	0.20	0.25
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8460e-003	0.00
tblFleetMix	MCY	4.8550e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.0990e-003	0.00
tblFleetMix	SBUS	7.0900e-004	0.00
tblFleetMix	UBUS	1.8280e-003	0.00
tblGrading	MaterialExported	0.00	4,400.00
tblGrading	MaterialImported	0.00	3,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	7.00	20.00
tblTripsAndVMT	VendorTripNumber	7.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	17.00	20.00
tblTripsAndVMT	WorkerTripNumber	17.00	20.00
tblVehicleTrips	ST_TR	1.68	0.20
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	9,481,250.00	0.00
tblWater	OutdoorWaterUseRate	0.00	125,387.00

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					
2021	10.0575	117.2524	70.4579	0.1820	31.4823	2.9848	35.4868	16.8117	2.7507	20.4958	0.0000	17,765.0161	17,765.0161	4.9809	0.0000	17,889.5391
2022	8.7288	86.7279	77.0232	0.1512	0.7042	4.1949	4.8991	0.1926	3.9226	4.1152	0.0000	14,674.1300	14,674.1300	3.5517	0.0000	14,762.9219
Maximum	**10.0575**	**117.2524**	**77.0232**	**0.1820**	**31.4823**	**4.1949**	**35.4868**	**16.8117**	**3.9226**	**20.4958**	**0.0000**	**17,765.0161**	**17,765.0161**	**4.9809**	**0.0000**	**17,889.5391**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2306	84.3182	97.6932	0.1820	2.6293	2.6735	5.3508	1.2262	2.6724	4.3084	0.0000	17,506.4207	17,506.4207	4.9541	0.0000	17,630.2725
2022	3.4996	71.9513	90.6434	0.1512	0.7042	3.9300	4.6342	0.1926	3.9294	4.1220	0.0000	14,631.0308	14,631.0308	3.5472	0.0000	14,719.7108
Maximum	**4.2306**	**84.3182**	**97.6932**	**0.1820**	**2.6293**	**3.9300**	**5.3508**	**1.2262**	**3.9294**	**4.3084**	**0.0000**	**17,506.4207**	**17,506.4207**	**4.9541**	**0.0000**	**17,630.2725**

	ROG	NOx	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	**58.85**	**23.39**	**-27.70**	**0.00**	**89.64**	**8.03**	**75.28**	**91.66**	**1.07**	**65.75**	**0.00**	**0.93**	**0.93**	**0.37**	**0.00**	**0.93**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0123	0.0180	0.2099	6.6000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		65.3805	65.3805	1.6600e-003		65.4221
Offroad	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**1.1974**	**4.2023**	**2.1064**	**6.4300e-003**	**0.0734**	**0.1743**	**0.2476**	**0.0194**	**0.1603**	**0.1798**		**624.2198**	**624.2198**	**0.1824**	**0.0000**	**628.7804**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0123	0.0180	0.2099	6.6000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		65.3805	65.3805	1.6600e-003		65.4221
Offroad	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**1.1974**	**4.2023**	**2.1064**	**6.4300e-003**	**0.0734**	**0.1743**	**0.2476**	**0.0194**	**0.1603**	**0.1798**		**624.2198**	**624.2198**	**0.1824**	**0.0000**	**628.7804**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
2	Switchyard Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
3	Grading	Grading	10/15/2021	12/15/2021	5	44	
4	Switchyard Grading	Grading	10/29/2021	11/29/2021	5	22	
5	Switchyard Installation	Building Construction	1/1/2022	3/31/2022	5	64	
6	Battery/Container Installation	Building Construction	1/1/2022	3/31/2022	5	64	

Acres of Grading (Site Preparation Phase): 6.25

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

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 Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	10.00	203	0.36
Site Preparation	Skid Steer Loaders	2	10.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Site Preparation	Graders	0	8.00	187	0.41
Switchyard Site Preparation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Graders	2	10.00	187	0.41
Grading	Plate Compactors	2	10.00	8	0.43

Grading	Rollers	2	10.00	80	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Rubber Tired Loaders	2	10.00	203	0.36
Grading	Skid Steer Loaders	2	10.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Switchyard Grading	Graders	2	10.00	187	0.41
Switchyard Grading	Plate Compactors	2	10.00	8	0.43
Switchyard Grading	Rollers	2	10.00	80	0.38
Switchyard Grading	Rubber Tired Dozers	0	1.00	247	0.40
Switchyard Grading	Rubber Tired Loaders	2	10.00	203	0.36
Switchyard Grading	Skid Steer Loaders	2	8.00	65	0.37
Switchyard Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Installation	Aerial Lifts	2	10.00	63	0.31
Switchyard Installation	Air Compressors	1	10.00	78	0.48
Switchyard Installation	Bore/Drill Rigs	1	10.00	221	0.50
Switchyard Installation	Cranes	1	10.00	231	0.29
Switchyard Installation	Excavators	1	10.00	158	0.38
Switchyard Installation	Forklifts	0	6.00	89	0.20
Switchyard Installation	Generator Sets	1	10.00	84	0.74
Switchyard Installation	Rollers	1	10.00	80	0.38
Switchyard Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Switchyard Installation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Installation	Skid Steer Loaders	1	10.00	65	0.37
Switchyard Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Switchyard Installation	Trenchers	2	10.00	78	0.50
Battery/Container Installation	Air Compressors	2	10.00	78	0.48

Battery/Container Installation	Cranes	1	10.00	231	0.29
Battery/Container Installation	Excavators	1	10.00	158	0.38
Battery/Container Installation	Forklifts	0	6.00	89	0.20
Battery/Container Installation	Generator Sets	1	10.00	84	0.74
Battery/Container Installation	Plate Compactors	1	10.00	8	0.43
Battery/Container Installation	Rollers	1	10.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	1	10.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Battery/Container Installation	Trenchers	1	10.00	78	0.50

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
Site Preparation	6	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Site Preparation	4	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	20.00	4.00	988.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Grading	12	20.00	2.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Installation	15	20.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	11	20.00	20.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6628	0.0000	0.6628	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	1.6519	19.4838	13.3328	0.0290		0.7772	0.7772		0.7150	0.7150		2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**1.6519**	**19.4838**	**13.3328**	**0.0290**	**0.6628**	**0.7772**	**1.4400**	**0.0716**	**0.7150**	**0.7866**		**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8600e-003	0.1902	0.0507	5.0000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0600e-003		52.9100	52.9100	3.5400e-003		52.9985
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0981**	**0.2501**	**0.7277**	**2.5800e-003**	**0.2364**	**2.0500e-003**	**0.2384**	**0.0630**	**1.9000e-003**	**0.0649**		**260.0436**	**260.0436**	**9.0900e-003**		**260.2709**

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0414	0.0000	0.0414	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000
Off-Road	0.7133	14.9009	18.3624	0.0290		0.7980	0.7980		0.7980	0.7980	0.0000	2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**0.7133**	**14.9009**	**18.3624**	**0.0290**	**0.0414**	**0.7980**	**0.8393**	**4.4700e-003**	**0.7980**	**0.8024**	**0.0000**	**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8600e-003	0.1902	0.0507	5.0000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0600e-003		52.9100	52.9100	3.5400e-003		52.9985
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0981**	**0.2501**	**0.7277**	**2.5800e-003**	**0.2364**	**2.0500e-003**	**0.2384**	**0.0630**	**1.9000e-003**	**0.0649**		**260.0436**	**260.0436**	**9.0900e-003**		**260.2709**

3.3 Switchyard Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.0552	0.0000	15.0552	8.2756	0.0000	8.2756			0.0000			0.0000
Off-Road	3.0841	32.1677	15.7450	0.0291		1.6106	1.6106		1.4817	1.4817		2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**3.0841**	**32.1677**	**15.7450**	**0.0291**	**15.0552**	**1.6106**	**16.6658**	**8.2756**	**1.4817**	**9.7573**		**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8600e-003	0.1902	0.0507	5.0000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0600e-003		52.9100	52.9100	3.5400e-003		52.9985
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0981**	**0.2501**	**0.7277**	**2.5800e-003**	**0.2364**	**2.0500e-003**	**0.2384**	**0.0630**	**1.9000e-003**	**0.0649**		**260.0436**	**260.0436**	**9.0900e-003**		**260.2709**

3.3 Switchyard Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9395	0.0000	0.9395	0.5164	0.0000	0.5164			0.0000			0.0000
Off-Road	0.7127	14.4427	17.1816	0.0291		0.6872	0.6872		0.6872	0.6872	0.0000	2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**0.7127**	**14.4427**	**17.1816**	**0.0291**	**0.9395**	**0.6872**	**1.6266**	**0.5164**	**0.6872**	**1.2036**	**0.0000**	**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8600e-003	0.1902	0.0507	5.0000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0600e-003		52.9100	52.9100	3.5400e-003		52.9985
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0981**	**0.2501**	**0.7277**	**2.5800e-003**	**0.2364**	**2.0500e-003**	**0.2384**	**0.0630**	**1.9000e-003**	**0.0649**		**260.0436**	**260.0436**	**9.0900e-003**		**260.2709**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3459	0.0000	1.3459	0.1462	0.0000	0.1462			0.0000			0.0000
Off-Road	3.2209	37.1580	22.7674	0.0529		1.4914	1.4914		1.3740	1.3740		5,091.4426	5,091.4426	1.6278		5,132.1363
Total	**3.2209**	**37.1580**	**22.7674**	**0.0529**	**1.3459**	**1.4914**	**2.8373**	**0.1462**	**1.3740**	**1.5202**		**5,091.4426**	**5,091.4426**	**1.6278**		**5,132.1363**

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	0.1676	5.7483	1.2909	0.0169	0.3924	0.0179	0.4102	0.1075	0.0171	0.1246		1,828.2386	1,828.2386	0.1295		1,831.4765
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.2715**	**6.1885**	**2.0693**	**0.0200**	**0.6415**	**0.0203**	**0.6618**	**0.1742**	**0.0194**	**0.1936**		**2,141.1922**	**2,141.1922**	**0.1422**		**2,144.7460**

3.4 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0840	0.0000	0.0840	9.1200e-003	0.0000	9.1200e-003			0.0000			0.0000
Off-Road	1.2703	26.2329	31.9057	0.0529		1.3459	1.3459		1.3459	1.3459	0.0000	5,005.2442	5,005.2442	1.6188		5,045.7141
Total	**1.2703**	**26.2329**	**31.9057**	**0.0529**	**0.0840**	**1.3459**	**1.4298**	**9.1200e-003**	**1.3459**	**1.3550**	**0.0000**	**5,005.2442**	**5,005.2442**	**1.6188**		**5,045.7141**

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	0.1676	5.7483	1.2909	0.0169	0.3924	0.0179	0.4102	0.1075	0.0171	0.1246		1,828.2386	1,828.2386	0.1295		1,831.4765
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.2715**	**6.1885**	**2.0693**	**0.0200**	**0.6415**	**0.0203**	**0.6618**	**0.1742**	**0.0194**	**0.1936**		**2,141.1922**	**2,141.1922**	**0.1422**		**2,144.7460**

3.5 Switchyard Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3256	0.0000	1.3256	0.1431	0.0000	0.1431			0.0000			0.0000
Off-Road	3.1831	36.6563	22.0724	0.0519		1.4710	1.4710		1.3552	1.3552		4,991.3435	4,991.3435	1.5954		5,031.2278
Total	**3.1831**	**36.6563**	**22.0724**	**0.0519**	**1.3256**	**1.4710**	**2.7966**	**0.1431**	**1.3552**	**1.4984**		**4,991.3435**	**4,991.3435**	**1.5954**		**5,031.2278**

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	lb/day										lb/day					
Hauling	1.3600e-003	0.0465	0.0105	1.4000e-004	3.1800e-003	1.4000e-004	3.3200e-003	8.7000e-004	1.4000e-004	1.0100e-003		14.8036	14.8036	1.0500e-003		14.8298
Vendor	5.8600e-003	0.1902	0.0507	5.0000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0600e-003		52.9100	52.9100	3.5400e-003		52.9985
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0995**	**0.2966**	**0.7382**	**2.7200e-003**	**0.2395**	**2.1900e-003**	**0.2417**	**0.0639**	**2.0400e-003**	**0.0659**		**274.8472**	**274.8472**	**0.0101**		**275.1007**

3.5 Switchyard Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	1.2449	25.6518	31.1209	0.0519		1.3051	1.3051		1.3051	1.3051	0.0000	4,905.1450	4,905.1450	1.5864		4,944.8056
Total	**1.2449**	**25.6518**	**31.1209**	**0.0519**	**0.0827**	**1.3051**	**1.3879**	**8.9300e-003**	**1.3051**	**1.3141**	**0.0000**	**4,905.1450**	**4,905.1450**	**1.5864**		**4,944.8056**

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	1.3600e-003	0.0465	0.0105	1.4000e-004	3.1800e-003	1.4000e-004	3.3200e-003	8.7000e-004	1.4000e-004	1.0100e-003		14.8036	14.8036	1.0500e-003		14.8298
Vendor	5.8600e-003	0.1902	0.0507	5.0000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0600e-003		52.9100	52.9100	3.5400e-003		52.9985
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0995**	**0.2966**	**0.7382**	**2.7200e-003**	**0.2395**	**2.1900e-003**	**0.2417**	**0.0639**	**2.0400e-003**	**0.0659**		**274.8472**	**274.8472**	**0.0101**		**275.1007**

3.6 Switchyard Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.4859	55.3895	44.5081	0.0867		2.7481	2.7481		2.5538	2.5538		8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**5.4859**	**55.3895**	**44.5081**	**0.0867**		**2.7481**	**2.7481**		**2.5538**	**2.5538**		**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0550	1.8034	0.4790	4.9100e-003	0.1280	3.4400e-003	0.1314	0.0369	3.2900e-003	0.0401		524.3885	524.3885	0.0341		525.2399
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.1417**	**1.8576**	**1.1039**	**6.9100e-003**	**0.3516**	**5.0400e-003**	**0.3566**	**0.0961**	**4.7600e-003**	**0.1009**		**724.0958**	**724.0958**	**0.0391**		**725.0725**

3.6 Switchyard Installation - 2022

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	2.0692	43.2168	54.7029	0.0867		2.3448	2.3448		2.3448	2.3448	0.0000	8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**2.0692**	**43.2168**	**54.7029**	**0.0867**		**2.3448**	**2.3448**		**2.3448**	**2.3448**	**0.0000**	**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0550	1.8034	0.4790	4.9100e-003	0.1280	3.4400e-003	0.1314	0.0369	3.2900e-003	0.0401		524.3885	524.3885	0.0341		525.2399
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.1417**	**1.8576**	**1.1039**	**6.9100e-003**	**0.3516**	**5.0400e-003**	**0.3566**	**0.0961**	**4.7600e-003**	**0.1009**		**724.0958**	**724.0958**	**0.0391**		**725.0725**

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9591	27.6086	30.3037	0.0507		1.4368	1.4368		1.3593	1.3593		4,854.1571	4,854.1571	1.1033		4,881.7384
Total	**2.9591**	**27.6086**	**30.3037**	**0.0507**		**1.4368**	**1.4368**		**1.3593**	**1.3593**		**4,854.1571**	**4,854.1571**	**1.1033**		**4,881.7384**

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	4.4000e-004	0.0148	3.5400e-003	5.0000e-005	1.0900e-003	4.0000e-005	1.1300e-003	3.0000e-004	4.0000e-005	3.4000e-004		5.0279	5.0279	3.5000e-004		5.0367
Vendor	0.0550	1.8034	0.4790	4.9100e-003	0.1280	3.4400e-003	0.1314	0.0369	3.2900e-003	0.0401		524.3885	524.3885	0.0341		525.2399
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.1422**	**1.8723**	**1.1075**	**6.9600e-003**	**0.3526**	**5.0800e-003**	**0.3577**	**0.0964**	**4.8000e-003**	**0.1012**		**729.1237**	**729.1237**	**0.0394**		**730.1092**

3.7 Battery/Container Installation - 2022

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	1.1466	25.0046	33.7291	0.0507		1.5751	1.5751		1.5751	1.5751	0.0000	4,811.0578	4,811.0578	1.0988		4,838.5272
Total	**1.1466**	**25.0046**	**33.7291**	**0.0507**		**1.5751**	**1.5751**		**1.5751**	**1.5751**	**0.0000**	**4,811.0578**	**4,811.0578**	**1.0988**		**4,838.5272**

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	4.4000e-004	0.0148	3.5400e-003	5.0000e-005	1.0900e-003	4.0000e-005	1.1300e-003	3.0000e-004	4.0000e-005	3.4000e-004		5.0279	5.0279	3.5000e-004		5.0367
Vendor	0.0550	1.8034	0.4790	4.9100e-003	0.1280	3.4400e-003	0.1314	0.0369	3.2900e-003	0.0401		524.3885	524.3885	0.0341		525.2399
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.1422**	**1.8723**	**1.1075**	**6.9600e-003**	**0.3526**	**5.0800e-003**	**0.3577**	**0.0964**	**4.8000e-003**	**0.1012**		**729.1237**	**729.1237**	**0.0394**		**730.1092**

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	0.0123	0.0180	0.2099	6.6000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		65.3805	65.3805	1.6600e-003		65.4221
Unmitigated	0.0123	0.0180	0.2099	6.6000e-004	0.0734	5.3000e-004	0.0739	0.0194	4.9000e-004	0.0199		65.3805	65.3805	1.6600e-003		65.4221

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	8.20	0.00	5,020	5,020
Total	0.00	8.20	0.00	5,020	5,020

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
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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					
Refrigerated Warehouse-No Rail	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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Unmitigated	0.8122	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.8122**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

6.2 Area by SubCategory

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	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.8122**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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
Cranes	1	8.00	1	231	0.29	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**		**558.8304**	**558.8304**	**0.1807**		**563.3488**

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

Baumont Energy Storage Project LST

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	41.00	1000sqft	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	534	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - In accordance with SCE 2019 Sustainability Report.

Land Use - Based on estimated square footage of battery storage containers.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided information.

On-road Fugitive Dust - CalEEMod defaults.

Grading - Based on applicant provided information.

Vehicle Trips - Based on up to 4 staff performing maintenance visits bi-weekly.

Consumer Products - CalEEMod defaults.

Energy Use - CalEEMod defaults. No natural gas.

Water And Wastewater - No water use during operation.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403. Per PDF-AQ-1, construction equipment will be Tier 3 or better.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	64.00

Baumont Energy Storage Project LST - South Coast AQMD Air District, Summer

tblConstructionPhase	NumDays	100.00	64.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	1.00	10.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.25	0.00
tblGrading	MaterialExported	0.00	4,400.00
tblGrading	MaterialImported	0.00	3,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00

tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	988.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblVehicleTrips	ST_TR	1.68	0.20
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	9,481,250.00	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					
2021	9.5871	110.4706	66.9122	0.1566	30.7733	2.9623	34.7716	16.6227	2.7292	20.3012	0.0000	15,074.1296	15,074.1296	4.8185	0.0000	15,194.5918
2022	8.4450	82.9980	74.8118	0.1374	0.0000	4.1848	4.1848	0.0000	3.9131	3.9131	0.0000	13,220.9106	13,220.9106	3.4732	0.0000	13,307.7402
Maximum	**9.5871**	**110.4706**	**74.8118**	**0.1566**	**30.7733**	**4.1848**	**34.7716**	**16.6227**	**3.9131**	**20.3012**	**0.0000**	**15,074.1296**	**15,074.1296**	**4.8185**	**0.0000**	**15,194.5918**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.7601	77.5364	94.1475	0.1566	1.9203	2.6510	4.2055	1.0373	2.6510	3.9831	0.0000	14,815.5341	14,815.5341	4.7916	0.0000	14,935.3252
2022	3.2158	68.2214	88.4320	0.1374	0.0000	3.9198	3.9198	0.0000	3.9198	3.9198	0.0000	13,177.8114	13,177.8114	3.4687	0.0000	13,264.5291
Maximum	**3.7601**	**77.5364**	**94.1475**	**0.1566**	**1.9203**	**3.9198**	**4.2055**	**1.0373**	**3.9198**	**3.9831**	**0.0000**	**14,815.5341**	**14,815.5341**	**4.7916**	**0.0000**	**14,935.3252**

	ROG	NOx	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	**61.31**	**24.66**	**-28.83**	**0.00**	**93.76**	**8.06**	**79.14**	**93.76**	**1.08**	**67.36**	**0.00**	**1.07**	**1.07**	**0.38**	**0.00**	**1.06**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0158	0.0833	0.2323	9.0000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.3000e-004	0.0206		91.5090	91.5090	4.1000e-003		91.6116
Total	**0.9321**	**0.0834**	**0.2365**	**9.0000e-004**	**0.0747**	**6.9000e-004**	**0.0754**	**0.0200**	**6.4000e-004**	**0.0206**		**91.5180**	**91.5180**	**4.1200e-003**	**0.0000**	**91.6211**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0158	0.0833	0.2323	9.0000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.3000e-004	0.0206		91.5090	91.5090	4.1000e-003		91.6116
Total	**0.9321**	**0.0834**	**0.2365**	**9.0000e-004**	**0.0747**	**6.9000e-004**	**0.0754**	**0.0200**	**6.4000e-004**	**0.0206**		**91.5180**	**91.5180**	**4.1200e-003**	**0.0000**	**91.6211**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
2	Switchyard Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
3	Grading	Grading	10/15/2021	12/15/2021	5	44	
4	Switchyard Grading	Grading	10/29/2021	11/29/2021	5	22	
5	Switchyard Installation	Building Construction	1/1/2022	3/31/2022	5	64	
6	Battery/Container Installation	Building Construction	1/1/2022	3/31/2022	5	64	

Acres of Grading (Site Preparation Phase): 6.25

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

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 Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	10.00	203	0.36
Site Preparation	Skid Steer Loaders	2	10.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37

Baumont Energy Storage Project LST - South Coast AQMD Air District, Summer

Switchyard Site Preparation	Graders	0	8.00	187	0.41
Switchyard Site Preparation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Graders	2	10.00	187	0.41
Grading	Plate Compactors	2	10.00	8	0.43
Grading	Rollers	2	10.00	80	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Rubber Tired Loaders	2	10.00	203	0.36
Grading	Skid Steer Loaders	2	10.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Switchyard Grading	Graders	2	10.00	187	0.41
Switchyard Grading	Plate Compactors	2	10.00	8	0.43
Switchyard Grading	Rollers	2	10.00	80	0.38
Switchyard Grading	Rubber Tired Dozers	0	1.00	247	0.40
Switchyard Grading	Rubber Tired Loaders	2	10.00	203	0.36
Switchyard Grading	Skid Steer Loaders	2	8.00	65	0.37
Switchyard Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Installation	Aerial Lifts	2	10.00	63	0.31
Switchyard Installation	Air Compressors	1	10.00	78	0.48
Switchyard Installation	Bore/Drill Rigs	1	10.00	221	0.50
Switchyard Installation	Cranes	1	10.00	231	0.29
Switchyard Installation	Excavators	1	10.00	158	0.38
Switchyard Installation	Forklifts	0	6.00	89	0.20
Switchyard Installation	Generator Sets	1	10.00	84	0.74
Switchyard Installation	Rollers	1	10.00	80	0.38

Switchyard Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Switchyard Installation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Installation	Skid Steer Loaders	1	10.00	65	0.37
Switchyard Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Switchyard Installation	Trenchers	2	10.00	78	0.50
Battery/Container Installation	Air Compressors	2	10.00	78	0.48
Battery/Container Installation	Cranes	1	10.00	231	0.29
Battery/Container Installation	Excavators	1	10.00	158	0.38
Battery/Container Installation	Forklifts	0	6.00	89	0.20
Battery/Container Installation	Generator Sets	1	10.00	84	0.74
Battery/Container Installation	Plate Compactors	1	10.00	8	0.43
Battery/Container Installation	Rollers	1	10.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	1	10.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Battery/Container Installation	Trenchers	1	10.00	78	0.50

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
Site Preparation	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Site Preparation	4	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Grading	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Installation	15	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	11	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6628	0.0000	0.6628	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	1.6519	19.4838	13.3328	0.0290		0.7772	0.7772		0.7150	0.7150		2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**1.6519**	**19.4838**	**13.3328**	**0.0290**	**0.6628**	**0.7772**	**1.4400**	**0.0716**	**0.7150**	**0.7866**		**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.0414	0.0000	0.0414	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000
Off-Road	0.7133	14.9009	18.3624	0.0290		0.7980	0.7980		0.7980	0.7980	0.0000	2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**0.7133**	**14.9009**	**18.3624**	**0.0290**	**0.0414**	**0.7980**	**0.8393**	**4.4700e-003**	**0.7980**	**0.8024**	**0.0000**	**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

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

3.3 Switchyard Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.0552	0.0000	15.0552	8.2756	0.0000	8.2756			0.0000			0.0000
Off-Road	3.0841	32.1677	15.7450	0.0291		1.6106	1.6106		1.4817	1.4817		2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**3.0841**	**32.1677**	**15.7450**	**0.0291**	**15.0552**	**1.6106**	**16.6658**	**8.2756**	**1.4817**	**9.7573**		**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

3.3 Switchyard Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.9395	0.0000	0.9395	0.5164	0.0000	0.5164			0.0000			0.0000
Off-Road	0.7127	14.4427	17.1816	0.0291		0.6872	0.6872		0.6872	0.6872	0.0000	2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**0.7127**	**14.4427**	**17.1816**	**0.0291**	**0.9395**	**0.6872**	**1.6266**	**0.5164**	**0.6872**	**1.2036**	**0.0000**	**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

3.3 Switchyard Site Preparation - 2021

Mitigated Construction Off-Site

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

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3459	0.0000	1.3459	0.1462	0.0000	0.1462			0.0000			0.0000
Off-Road	3.2209	37.1580	22.7674	0.0529		1.4914	1.4914		1.3740	1.3740		5,091.4426	5,091.4426	1.6278		5,132.1363
Total	**3.2209**	**37.1580**	**22.7674**	**0.0529**	**1.3459**	**1.4914**	**2.8373**	**0.1462**	**1.3740**	**1.5202**		**5,091.4426**	**5,091.4426**	**1.6278**		**5,132.1363**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.0840	0.0000	0.0840	9.1200e-003	0.0000	9.1200e-003			0.0000			0.0000
Off-Road	1.2703	26.2329	31.9057	0.0529		1.3459	1.3459		1.3459	1.3459	0.0000	5,005.2442	5,005.2442	1.6188		5,045.7141
Total	**1.2703**	**26.2329**	**31.9057**	**0.0529**	**0.0840**	**1.3459**	**1.4298**	**9.1200e-003**	**1.3459**	**1.3550**	**0.0000**	**5,005.2442**	**5,005.2442**	**1.6188**		**5,045.7141**

3.4 Grading - 2021

Mitigated Construction Off-Site

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

3.5 Switchyard Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3256	0.0000	1.3256	0.1431	0.0000	0.1431			0.0000			0.0000
Off-Road	3.1831	36.6563	22.0724	0.0519		1.4710	1.4710		1.3552	1.3552		4,991.3435	4,991.3435	1.5954		5,031.2278
Total	**3.1831**	**36.6563**	**22.0724**	**0.0519**	**1.3256**	**1.4710**	**2.7966**	**0.1431**	**1.3552**	**1.4984**		**4,991.3435**	**4,991.3435**	**1.5954**		**5,031.2278**

3.5 Switchyard Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	1.2449	25.6518	31.1209	0.0519		1.3051	1.3051		1.3051	1.3051	0.0000	4,905.1450	4,905.1450	1.5864		4,944.8056
Total	**1.2449**	**25.6518**	**31.1209**	**0.0519**	**0.0827**	**1.3051**	**1.3879**	**8.9300e-003**	**1.3051**	**1.3141**	**0.0000**	**4,905.1450**	**4,905.1450**	**1.5864**		**4,944.8056**

3.5 Switchyard Grading - 2021

Mitigated Construction Off-Site

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

3.6 Switchyard Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.4859	55.3895	44.5081	0.0867		2.7481	2.7481		2.5538	2.5538		8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**5.4859**	**55.3895**	**44.5081**	**0.0867**		**2.7481**	**2.7481**		**2.5538**	**2.5538**		**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

3.6 Switchyard Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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	2.0692	43.2168	54.7029	0.0867		2.3448	2.3448		2.3448	2.3448	0.0000	8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**2.0692**	**43.2168**	**54.7029**	**0.0867**		**2.3448**	**2.3448**		**2.3448**	**2.3448**	**0.0000**	**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

3.6 Switchyard Installation - 2022

Mitigated Construction Off-Site

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

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9591	27.6086	30.3037	0.0507		1.4368	1.4368		1.3593	1.3593		4,854.1571	4,854.1571	1.1033		4,881.7384
Total	**2.9591**	**27.6086**	**30.3037**	**0.0507**		**1.4368**	**1.4368**		**1.3593**	**1.3593**		**4,854.1571**	**4,854.1571**	**1.1033**		**4,881.7384**

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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	1.1466	25.0046	33.7291	0.0507		1.5751	1.5751		1.5751	1.5751	0.0000	4,811.0578	4,811.0578	1.0988		4,838.5272
Total	**1.1466**	**25.0046**	**33.7291**	**0.0507**		**1.5751**	**1.5751**		**1.5751**	**1.5751**	**0.0000**	**4,811.0578**	**4,811.0578**	**1.0988**		**4,838.5272**

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

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

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	0.0158	0.0833	0.2323	9.0000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.3000e-004	0.0206		91.5090	91.5090	4.1000e-003		91.6116
Unmitigated	0.0158	0.0833	0.2323	9.0000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.3000e-004	0.0206		91.5090	91.5090	4.1000e-003		91.6116

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	8.20	0.00	5,020	5,020
Total	0.00	8.20	0.00	5,020	5,020

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
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	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					
Refrigerated Warehouse-No Rail	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**

5.2 Energy by Land Use - NaturalGas

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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Unmitigated	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.9163**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.9163**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Baumont Energy Storage Project LST

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	41.00	1000sqft	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	534	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - In accordance with SCE 2019 Sustainability Report.

Land Use - Based on estimated square footage of battery storage containers.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided information.

On-road Fugitive Dust - CalEEMod defaults.

Grading - Based on applicant provided information.

Vehicle Trips - Based on up to 4 staff performing maintenance visits bi-weekly.

Consumer Products - CalEEMod defaults.

Energy Use - CalEEMod defaults. No natural gas.

Water And Wastewater - No water use during operation.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403. Per PDF-AQ-1, construction equipment will be Tier 3 or better.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	64.00

Baumont Energy Storage Project LST - South Coast AQMD Air District, Winter

tblConstructionPhase	NumDays	100.00	64.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	1.00	10.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.25	0.00
tblGrading	MaterialExported	0.00	4,400.00
tblGrading	MaterialImported	0.00	3,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	4.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00

tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	988.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblVehicleTrips	ST_TR	1.68	0.20
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	9,481,250.00	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					
2021	9.5871	110.4706	66.9122	0.1566	30.7733	2.9623	34.7716	16.6227	2.7292	20.3012	0.0000	15,074.1296	15,074.1296	4.8185	0.0000	15,194.5918
2022	8.4450	82.9980	74.8118	0.1374	0.0000	4.1848	4.1848	0.0000	3.9131	3.9131	0.0000	13,220.9106	13,220.9106	3.4732	0.0000	13,307.7402
Maximum	**9.5871**	**110.4706**	**74.8118**	**0.1566**	**30.7733**	**4.1848**	**34.7716**	**16.6227**	**3.9131**	**20.3012**	**0.0000**	**15,074.1296**	**15,074.1296**	**4.8185**	**0.0000**	**15,194.5918**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.7601	77.5364	94.1475	0.1566	1.9203	2.6510	4.2055	1.0373	2.6510	3.9831	0.0000	14,815.5341	14,815.5341	4.7916	0.0000	14,935.3252
2022	3.2158	68.2214	88.4320	0.1374	0.0000	3.9198	3.9198	0.0000	3.9198	3.9198	0.0000	13,177.8114	13,177.8114	3.4687	0.0000	13,264.5291
Maximum	**3.7601**	**77.5364**	**94.1475**	**0.1566**	**1.9203**	**3.9198**	**4.2055**	**1.0373**	**3.9198**	**3.9831**	**0.0000**	**14,815.5341**	**14,815.5341**	**4.7916**	**0.0000**	**14,935.3252**

	ROG	NOx	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	**61.31**	**24.66**	**-28.83**	**0.00**	**93.76**	**8.06**	**79.14**	**93.76**	**1.08**	**67.36**	**0.00**	**1.07**	**1.07**	**0.38**	**0.00**	**1.06**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0151	0.0853	0.2150	8.5000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.4000e-004	0.0206		86.7309	86.7309	4.0800e-003		86.8328
Total	**0.9314**	**0.0854**	**0.2192**	**8.5000e-004**	**0.0747**	**6.9000e-004**	**0.0754**	**0.0200**	**6.5000e-004**	**0.0206**		**86.7399**	**86.7399**	**4.1000e-003**	**0.0000**	**86.8424**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Energy	0.0000	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	0.0151	0.0853	0.2150	8.5000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.4000e-004	0.0206		86.7309	86.7309	4.0800e-003		86.8328
Total	**0.9314**	**0.0854**	**0.2192**	**8.5000e-004**	**0.0747**	**6.9000e-004**	**0.0754**	**0.0200**	**6.5000e-004**	**0.0206**		**86.7399**	**86.7399**	**4.1000e-003**	**0.0000**	**86.8424**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
2	Switchyard Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
3	Grading	Grading	10/15/2021	12/15/2021	5	44	
4	Switchyard Grading	Grading	10/29/2021	11/29/2021	5	22	
5	Switchyard Installation	Building Construction	1/1/2022	3/31/2022	5	64	
6	Battery/Container Installation	Building Construction	1/1/2022	3/31/2022	5	64	

Acres of Grading (Site Preparation Phase): 6.25

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

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 Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	10.00	203	0.36
Site Preparation	Skid Steer Loaders	2	10.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37

Switchyard Site Preparation	Graders	0	8.00	187	0.41
Switchyard Site Preparation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Site Preparation	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Graders	2	10.00	187	0.41
Grading	Plate Compactors	2	10.00	8	0.43
Grading	Rollers	2	10.00	80	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Rubber Tired Loaders	2	10.00	203	0.36
Grading	Skid Steer Loaders	2	10.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Switchyard Grading	Graders	2	10.00	187	0.41
Switchyard Grading	Plate Compactors	2	10.00	8	0.43
Switchyard Grading	Rollers	2	10.00	80	0.38
Switchyard Grading	Rubber Tired Dozers	0	1.00	247	0.40
Switchyard Grading	Rubber Tired Loaders	2	10.00	203	0.36
Switchyard Grading	Skid Steer Loaders	2	8.00	65	0.37
Switchyard Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Switchyard Installation	Aerial Lifts	2	10.00	63	0.31
Switchyard Installation	Air Compressors	1	10.00	78	0.48
Switchyard Installation	Bore/Drill Rigs	1	10.00	221	0.50
Switchyard Installation	Cranes	1	10.00	231	0.29
Switchyard Installation	Excavators	1	10.00	158	0.38
Switchyard Installation	Forklifts	0	6.00	89	0.20
Switchyard Installation	Generator Sets	1	10.00	84	0.74
Switchyard Installation	Rollers	1	10.00	80	0.38

Switchyard Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Switchyard Installation	Rubber Tired Dozers	2	10.00	247	0.40
Switchyard Installation	Skid Steer Loaders	1	10.00	65	0.37
Switchyard Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Switchyard Installation	Trenchers	2	10.00	78	0.50
Battery/Container Installation	Air Compressors	2	10.00	78	0.48
Battery/Container Installation	Cranes	1	10.00	231	0.29
Battery/Container Installation	Excavators	1	10.00	158	0.38
Battery/Container Installation	Forklifts	0	6.00	89	0.20
Battery/Container Installation	Generator Sets	1	10.00	84	0.74
Battery/Container Installation	Plate Compactors	1	10.00	8	0.43
Battery/Container Installation	Rollers	1	10.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	1	10.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	1	10.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Battery/Container Installation	Trenchers	1	10.00	78	0.50

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
Site Preparation	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Site Preparation	4	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Grading	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Switchyard Installation	15	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	11	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6628	0.0000	0.6628	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	1.6519	19.4838	13.3328	0.0290		0.7772	0.7772		0.7150	0.7150		2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**1.6519**	**19.4838**	**13.3328**	**0.0290**	**0.6628**	**0.7772**	**1.4400**	**0.0716**	**0.7150**	**0.7866**		**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.0414	0.0000	0.0414	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000
Off-Road	0.7133	14.9009	18.3624	0.0290		0.7980	0.7980		0.7980	0.7980	0.0000	2,811.3840	2,811.3840	0.9093		2,834.1155
Total	**0.7133**	**14.9009**	**18.3624**	**0.0290**	**0.0414**	**0.7980**	**0.8393**	**4.4700e-003**	**0.7980**	**0.8024**	**0.0000**	**2,811.3840**	**2,811.3840**	**0.9093**		**2,834.1155**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

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

3.3 Switchyard Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.0552	0.0000	15.0552	8.2756	0.0000	8.2756			0.0000			0.0000
Off-Road	3.0841	32.1677	15.7450	0.0291		1.6106	1.6106		1.4817	1.4817		2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**3.0841**	**32.1677**	**15.7450**	**0.0291**	**15.0552**	**1.6106**	**16.6658**	**8.2756**	**1.4817**	**9.7573**		**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

3.3 Switchyard Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.9395	0.0000	0.9395	0.5164	0.0000	0.5164			0.0000			0.0000
Off-Road	0.7127	14.4427	17.1816	0.0291		0.6872	0.6872		0.6872	0.6872	0.0000	2,820.6307	2,820.6307	0.9123		2,843.4369
Total	**0.7127**	**14.4427**	**17.1816**	**0.0291**	**0.9395**	**0.6872**	**1.6266**	**0.5164**	**0.6872**	**1.2036**	**0.0000**	**2,820.6307**	**2,820.6307**	**0.9123**		**2,843.4369**

3.3 Switchyard Site Preparation - 2021

Mitigated Construction Off-Site

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

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3459	0.0000	1.3459	0.1462	0.0000	0.1462			0.0000			0.0000
Off-Road	3.2209	37.1580	22.7674	0.0529		1.4914	1.4914		1.3740	1.3740		5,091.4426	5,091.4426	1.6278		5,132.1363
Total	**3.2209**	**37.1580**	**22.7674**	**0.0529**	**1.3459**	**1.4914**	**2.8373**	**0.1462**	**1.3740**	**1.5202**		**5,091.4426**	**5,091.4426**	**1.6278**		**5,132.1363**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.0840	0.0000	0.0840	9.1200e-003	0.0000	9.1200e-003			0.0000			0.0000
Off-Road	1.2703	26.2329	31.9057	0.0529		1.3459	1.3459		1.3459	1.3459	0.0000	5,005.2442	5,005.2442	1.6188		5,045.7141
Total	**1.2703**	**26.2329**	**31.9057**	**0.0529**	**0.0840**	**1.3459**	**1.4298**	**9.1200e-003**	**1.3459**	**1.3550**	**0.0000**	**5,005.2442**	**5,005.2442**	**1.6188**		**5,045.7141**

3.4 Grading - 2021

Mitigated Construction Off-Site

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

3.5 Switchyard Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3256	0.0000	1.3256	0.1431	0.0000	0.1431			0.0000			0.0000
Off-Road	3.1831	36.6563	22.0724	0.0519		1.4710	1.4710		1.3552	1.3552		4,991.3435	4,991.3435	1.5954		5,031.2278
Total	**3.1831**	**36.6563**	**22.0724**	**0.0519**	**1.3256**	**1.4710**	**2.7966**	**0.1431**	**1.3552**	**1.4984**		**4,991.3435**	**4,991.3435**	**1.5954**		**5,031.2278**

3.5 Switchyard Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	1.2449	25.6518	31.1209	0.0519		1.3051	1.3051		1.3051	1.3051	0.0000	4,905.1450	4,905.1450	1.5864		4,944.8056
Total	**1.2449**	**25.6518**	**31.1209**	**0.0519**	**0.0827**	**1.3051**	**1.3879**	**8.9300e-003**	**1.3051**	**1.3141**	**0.0000**	**4,905.1450**	**4,905.1450**	**1.5864**		**4,944.8056**

3.5 Switchyard Grading - 2021

Mitigated Construction Off-Site

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

3.6 Switchyard Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.4859	55.3895	44.5081	0.0867		2.7481	2.7481		2.5538	2.5538		8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**5.4859**	**55.3895**	**44.5081**	**0.0867**		**2.7481**	**2.7481**		**2.5538**	**2.5538**		**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

3.6 Switchyard Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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	2.0692	43.2168	54.7029	0.0867		2.3448	2.3448		2.3448	2.3448	0.0000	8,366.7536	8,366.7536	2.3699		8,426.0018
Total	**2.0692**	**43.2168**	**54.7029**	**0.0867**		**2.3448**	**2.3448**		**2.3448**	**2.3448**	**0.0000**	**8,366.7536**	**8,366.7536**	**2.3699**		**8,426.0018**

3.6 Switchyard Installation - 2022

Mitigated Construction Off-Site

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

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9591	27.6086	30.3037	0.0507		1.4368	1.4368		1.3593	1.3593		4,854.1571	4,854.1571	1.1033		4,881.7384
Total	**2.9591**	**27.6086**	**30.3037**	**0.0507**		**1.4368**	**1.4368**		**1.3593**	**1.3593**		**4,854.1571**	**4,854.1571**	**1.1033**		**4,881.7384**

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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	1.1466	25.0046	33.7291	0.0507		1.5751	1.5751		1.5751	1.5751	0.0000	4,811.0578	4,811.0578	1.0988		4,838.5272
Total	**1.1466**	**25.0046**	**33.7291**	**0.0507**		**1.5751**	**1.5751**		**1.5751**	**1.5751**	**0.0000**	**4,811.0578**	**4,811.0578**	**1.0988**		**4,838.5272**

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

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

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	0.0151	0.0853	0.2150	8.5000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.4000e-004	0.0206		86.7309	86.7309	4.0800e-003		86.8328
Unmitigated	0.0151	0.0853	0.2150	8.5000e-004	0.0747	6.8000e-004	0.0754	0.0200	6.4000e-004	0.0206		86.7309	86.7309	4.0800e-003		86.8328

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	8.20	0.00	5,020	5,020
Total	0.00	8.20	0.00	5,020	5,020

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
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	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					
Refrigerated Warehouse-No Rail	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**

5.2 Energy by Land Use - NaturalGas

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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Unmitigated	0.9163	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.9163**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9700e-003	8.9700e-003	2.0000e-005		9.5600e-003
Total	**0.9163**	**4.0000e-005**	**4.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.9700e-003**	**8.9700e-003**	**2.0000e-005**		**9.5600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Breaker (kV)	Number of Breakers	Pounds of SF_6	MT of SF_6	Leak Rate	Global Warming Potential	MT CO_2e
138	6	2,400	1.089	1%	23,900	130.09

Attachment B

Health Risk Assessment Outputs

TAC Emission Calculations

Pollutant	Vol %	Volume (Liter)	MW (g/mol)	Single Cell Emissions (grams)	Single Cell Rate (g/s)	Single Cell Rate (lbs/hr)	Module Rate (g/s)	Module Rate (lbs/hr)
Primary Compounds								
H2	22.9%	55.9	2.0	4.6	1.26E-03	1.00E-02	3.54E-02	2.81E-01
CO	25.9%	63.1	28.0	71.3	1.98E-02	1.57E-01	5.55E-01	4.40E+00
CO2	13.7%	33.4	44.0	59.3	1.65E-02	1.31E-01	4.61E-01	3.66E+00
CH4	6.3%	15.4	16.0	10.0	2.77E-03	2.20E-02	7.75E-02	6.15E-01
C2H2	0.0%	0.1	26.0	3.1	8.64E-04	6.86E-03	2.42E-02	1.92E-01
C2H4	2.3%	5.5	28.1	6.2	1.73E-03	1.37E-02	4.84E-02	3.84E-01
C2H6	0.8%	1.9	30.1	2.3	6.39E-04	5.07E-03	1.79E-02	1.42E-01
C3H6	0.5%	1.1	42.1	1.9	1.58E-07	1.26E-06	4.43E-06	3.52E-05
C3H8	0.0%	0.1	44.1	0.2	5.00E-05	3.97E-04	1.40E-03	1.11E-02
O2	0.2%	0.6	32.0	0.8	2.14E-04	1.70E-03	5.99E-03	4.75E-02
N2	27.4%	66.8	28.0	75.5	2.10E-02	1.66E-01	5.87E-01	4.66E+00
Total	100.0%	243.9	320.4	235.1	6.53E-02	5.18E-01	1.83E+00	1.45E+01
Trace compounds	**ppm**	**MW**						
HF	0	20.0		4.70E-05	1.31E-08	1.04E-07	1.65E-04	1.31E-03
SO2	6	64.1		1.41E-03	3.92E-07	3.11E-06	4.95E-03	3.93E-02
NOx	0	46.0		4.70E-05	1.31E-08	1.04E-07	1.65E-04	1.31E-03
PH3	1	34.0		2.35E-04	6.53E-08	5.18E-07	8.25E-04	6.55E-03

Assumes: Atmospheric Normal Temperature and Pressure (298.15K and 101.3 kpa)

Vol % and single cell emissions total provided by manufacturer

Standard temperature and pressure (STP) is defined as 0°C (273.15 K) and 1 atm of pressure

Number of cells in multicell event 28

Time of event, minutes 60

Gas compsitions based on proprietary studies by LG Chem, maximum values measured.

Risk Assessment

Cell

Pollutant	Name	TAC	Max lbs/hr	Proximity Factor	Acute REL (ug/m3)	Prioritization Score
H2	Hydrogen	No	-	714.32	-	-
CO	Carbon monoxide	Yes	1.57E-01	714.32	23,000	4.88E-03
CO2	Carbon Dioxide	No	-	714.32	-	-
CH4	Methane	No	-	714.32	-	-
C2H2	Acetylene	No		714.32		
C2H4	Ethylene	No	-	714.32	-	-
C2H6	Ethane	No	-	714.32	-	-
C3H6	Propene	No	-	714.32	-	-
C3H8	Propane	No	-	714.32	-	-
O2	Oxygen	No	-	714.32	-	-
N2	Nitrogen	No	-	714.32	-	-
HF	Hydrogen Fluoride	Yes	1.04E-07	714.32	240	3.08E-07
SO2	Sulfur Dioxide	No	3.11E-06	714.32	660	3.36E-06
NOx	Oxides of Nitrogen	No	1.04E-07	714.32	470	1.57E-07
PH3	Phosphine	Yes	5.18E-07	714.32	-	-
Total						4.89E-03

Module

Pollutant	Name	TAC	Max lbs/hr	Proximity Factor	Acute REL (ug/m3)	Prioritization Score
H2	Hydrogen	No	-	714.32	-	-
CO	Carbon monoxide	Yes	4.40E+00	714.32	23,000	1.37E-01
CO2	Carbon Dioxide	No	-	714.32	-	-
CH4	Methane	No	-	714.32	-	-
C2H2	Acetylene	No	-	714.32	-	-
C2H4	Ethylene	No	-	714.32	-	-
C2H6	Ethane	No	-	714.32	-	-
C3H6	Propene	No	-	714.32	-	-
C3H8	Propane	No	-	714.32	-	-
O2	Oxygen	No	-	714.32	-	-
N2	Nitrogen	No	-	714.32	-	-
HF	Hydrogen Fluoride	Yes	1.31E-03	714.32	240	3.90E-03
SO2	Sulfur Dioxide	No	3.93E-02	714.32	660	4.25E-02
NOx	Oxides of Nitrogen	No	1.31E-03	714.32	470	1.99E-03
PH3	Phosphine	Yes	6.55E-03	714.32	-	-
Total						1.85E-01

Notes: Assumes proximity factor of 714.32 (50 meters) and angle of 270 degrees from the Banning met station.

Spreadsheets as per SCAQMD 2020 Facility Prioritization Procedure for the AB 2588 Program

Appendix B

Western Riverside County Multiple Species Habitat Conservation Plan Consistency Analysis and Biology Report

WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN CONSISTENCY ANALYSIS AND BIOLOGY REPORT

BEAUMONT ENERGY STORAGE PROJECT

MSHCP PERMITTEE: CITY OF BEAUMONT

RIVERSIDE COUNTY, CALIFORNIA

Prepared for:

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LSA Project No. TGL2006

LSA

January 2021

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1.0 EXECUTIVE SUMMARY

LSA was retained by Terra-Gen, LLC to conduct a Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) consistency analysis and general biological study of the approximately 7-acre Beaumont Energy Storage Project (project) site located south of 4th Street at the east edge of Veile Avenue in the City of Beaumont (City), Riverside County, California. The study was conducted for the identification of potential jurisdictional waters and to address compliance with the MSHCP and the California Environmental Quality Act (CEQA). Results of the MSHCP consistency analysis and general biological study are summarized below.

One drainage feature that is potentially subject to jurisdiction by the California Department of Fish and Wildlife (CDFW) and Regional Water Quality Control Board (RWQCB) is present in the southeastern portion of the site. According to the project site plan, this feature is not within the project impact area.

The project site is not within the MSHCP Criteria Area.

The above-mentioned drainage feature may be considered an MSHCP riverine resource, but is not expected to be affected. The site does not contain riparian areas or vernal pools as defined in the MSHCP and does not contain any fairy shrimp habitat. Therefore, focused surveys will not be required for sensitive riparian bird or fairy shrimp species.

The project site is not located within an MSHCP designated survey area for any other species and does not contain Delhi series soils. Therefore, no surveys for other species will be required.

The project will not be subject to MSHCP Urban/Wildlands interface requirements because the site is not within or adjacent to an identified Conservation Area.

The project may provide low-quality habitat for Stephens' kangaroo rat, a federally endangered species. This species is covered under the MSHCP and no surveys will be required.

The project site does not contain habitat for any other threatened or endangered species and no substantial project impacts to other special-interest species are expected.

2.0 INTRODUCTION

LSA was retained by Terra-Gen, LLC to conduct an MSHCP consistency analysis and general biological study of the approximately 7-acre Beaumont Energy Storage Project (project) site located south of 4th Street at the east edge of Veile Avenue in the City of Beaumont (City), Riverside County, California (Appendix A, Figure 1). The study was conducted for the identification of potential jurisdictional waters and to address compliance with the MSHCP and CEQA. The study included site visits on December 18 and 31, 2020, by LSA biologist Stan Spencer.

2.1 PROJECT AREA AND DESCRIPTION

The project area consists of Assessor's Parcel Numbers (APNs) 417-110-012, 417-130-012, and 417-130-005 and a small area of off-site improvements between the central parcel and Veile Avenue (Appendix A, Figure 2). The project area is approximately 7 acres. The proposed project is a battery storage site.

2.2 GENERAL SETTING

The project site is undeveloped and is bordered to the north by a substation, to the south by undeveloped land, to the west by Veile Avenue, commercial development, and vacant land, and to the east by Elm Avenue and residential development. The site is more or less flat and level except for a deeply incised drainage along the east edge of the southern parcel. The site elevation ranges from approximately 2,540 to 2,565 feet above mean sea level. Mapped soils are Ramona sandy loam and Terrace escarpments (California Soil Resource Lab 2021). Soil observed throughout the site appears to all be Ramona sandy loam.

3.0 RESERVE ASSEMBLY ANALYSIS

3.1 CELL AND CRITERIA ANALYSIS

The MSHCP provides for the assembly of a Conservation Area consisting of Core Areas and Linkages for the conservation of covered species. The Conservation Area is to be assembled from portions of the MSHCP Criteria Area, which consist of quarter-section (i.e., approximately 160-acre) Criteria Cells, each with specific criteria for the species conservation within that cell.

The project site is not within the MSHCP Criteria Area; therefore, no cell or criteria analysis is required.

3.2 PUBLIC/QUASI-PUBLIC LANDS ANALYSIS

The project site is not within or adjacent to Public/Quasi-Public lands.

4.0 VEGETATION

Vegetation on the site consists of non-native grassland and coastal sage scrub. There are also a few ornamental trees along its eastern edge (Appendix A, Figures 3 and 4). There are no oaks or other native trees present. Dominant species in the non-native grassland include mouse barley (*Hordeum murinum*), foxtail chess (*Bromus madritensis*), ripgut brome (*Bromus diandrus*), and stem stork's bill (*Erodium cicutarium*). The coastal sage scrub is dominated by California buckwheat (*Eriogonum fasciculatum*) and foxtail chess. A complete list of plant species observed on the site is included in Appendix B.

5.0 PROTECTION OF SPECIES ASSOCIATED WITH RIPARIAN/RIVERINE AREAS AND VERNAL POOLS (MSHCP SECTION 6.1.2)

Section 6.1.2 of the MSHCP requires assessment of impacts to riparian habitats, riverine areas, and vernal pools, including focused surveys for sensitive riparian bird and fairy shrimp species when suitable habitat is present. The intent of the assessment requirement is to provide for the protection of resources used by MSHCP-covered species, as well as existing and future downstream conservation areas. Riverine/riparian areas and vernal pools are defined in Section 6.1.2 of the MSHCP as follows:

> *Riparian/Riverine Areas are lands which contain Habitat dominated by trees, shrubs, persistent emergents, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year.*
>
> *Vernal pools are seasonal wetlands that occur in depression areas that have wetlands indicators of all three parameters (soils, vegetation and hydrology) during the wetter portion of the growing season but normally lack wetlands indicators of hydrology and/or vegetation during the drier portion of the growing season. Obligate hydrophytes and facultative wetlands plant species are normally dominant during the wetter portion of the growing season, while upland species (annuals) may be dominant during the drier portion of the growing season. The determination that an area exhibits vernal pool characteristics, and the definition of the watershed supporting vernal pool hydrology, must be made on a case-by-case basis. Such determinations should consider the length of the time the area exhibits upland and wetland characteristics and the manner in which the area fits into the overall ecological system as a wetland. Evidence concerning the persistence of an area's wetness can be obtained from its history, vegetation, soils, and drainage characteristics, uses to which it has been subjected, and weather and hydrologic records.*
>
> ***Fairy Shrimp.*** *For Riverside, vernal pool and Santa Rosa fairy shrimp, mapping of stock ponds, ephemeral pools and other features shall also be undertaken as determined appropriate by a qualified biologist.*
>
> *With the exception of wetlands created for the purpose of providing wetlands Habitat or resulting from human actions to create open waters or from the alteration of natural stream courses, areas demonstrating characteristics as described above which are artificially created are not included in these definitions.*

5.1 RIPARIAN/RIVERINE

5.1.1 Methods

The project site was assessed for riparian/riverine areas at the time of the December 2020 site visits. The assessment included identification and mapping of plant communities on the site as well as any drainage features.

5.1.2 Existing Conditions and Results

One drainage feature is present in the southeastern portion of the site. This feature is deeply incised and receives ephemeral runoff from Elm Avenue. Vegetation within this feature is sparse and consists of the same upland species characteristic of the non-native grassland areas of the site. According to the site plan (Appendix A, Figure 2), this feature is not within the project impact area.

This drainage feature may be considered an MSHCP riverine resource, but is not expected to be affected.

The site does not contain riparian vegetation. The few trees along the eastern edge of the site are non-native and do not appear to be reliant on the ephemeral flows of the drainage feature.

5.2 VERNAL POOLS

5.2.1 Methods

The project site was assessed for vernal pools at the time of the December 2020 site visits. The assessment included a search for depressions, indicators of wetland hydrology, suitable soils, and hydrophytic vegetation. The assessment also included a review of seasonally appropriate aerial photographs (Google Earth: 12/2003, 12/2005, 1/2006, 12/2006, 11/2009, 3/2011, 11/2013, 4/2014, 2/2016, 2/2018, and 12/2018).

5.2.2 Existing Conditions and Results

Although there are shallow depressions (small potholes) where soils are compacted by vehicle parking near the western edge of the site, these would not qualify as vernal pools because they are artificially created, do not have hydrophytic vegetation (they are unvegetated), and would not hold water long enough to create hydric soils. No ponded areas or features resembling vernal pools were seen in aerial photographs. The soil mapped and observed on the site is sandy loam, which is unlikely to support ponding sufficient for vernal pool formation. There are no areas of hydrophytic vegetation on the site. Therefore, there are no vernal pools.

5.3 FAIRY SHRIMP

5.3.1 Methods

The project site was assessed for fairy shrimp habitat at the same time and using the same methods as the assessment for vernal pools. The MSHCP calls for habitat assessments for three sensitive species of fairy shrimp: Santa Rosa Plateau fairy shrimp (*Linderiella santarosae*), Riverside fairy shrimp (*Streptocephalus woottoni*), and vernal pool fairy shrimp (*Branchinecta lynchi*). Santa Rosa Plateau fairy shrimp occurs only on the Santa Rosa Plateau of extreme southwest Riverside County. A fourth sensitive species of Southern California, San Diego fairy shrimp (*Branchinecta sandiegonensis*), is found primarily in coastal areas of Orange and San Diego Counties. It has been found as far inland as the Wildomar area of southwest Riverside County, but is not expected in the project area. These sensitive fairy shrimp species inhabit vernal pools as well as stock ponds, large road ruts, or other similar habitats that pond water long enough to allow growth and reproduction. To provide fairy

shrimp habitat, a feature must regularly pond water for at least 18 days for vernal pool fairy shrimp (Eriksen and Belk 1999) and two months for Riverside fairy shrimp (USFWS 2012).

5.3.2 Existing Conditions and Results

As noted above, there are no vernal pools on the project site. Although there are shallow depressions (small potholes) near the western edge of the site in an area compacted by vehicle use, these are only about two inches deep. Given their small size and the loamy soils, they would not pond water long enough to provide fairy shrimp habitat. As noted above, no inundation on the site was seen in seasonally appropriate aerial photographs, and the loamy soils are unlikely to support ponding for long enough to provide suitable habitat conditions. Given these factors, the site does not have habitat suitable for sensitive fairy shrimp species and no surveys will be required.

5.4 RIPARIAN BIRDS

5.4.1 Methods

Habitat suitability for riparian birds, including least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher (*Empidonax traillii extimus*), and yellow-billed cuckoo (*Coccyzus americanus*) was assessed in conjunction with the assessment for riverine/riparian areas.

5.4.2 Existing Conditions and Results

There are no riparian areas or any habitat suitable for riparian birds on the project site. Therefore, no surveys for riparian birds will be required.

6.0 PROTECTION OF NARROW ENDEMIC PLANT SPECIES (MSHCP SECTION 6.1.3)

Section 6.1.3 of the MSHCP requires focused surveys for specified sensitive plant species if the project is located within a Narrow Endemic Plant Species Area (NEPSSA) and suitable habitat is present.

The project is not within a mapped survey area for NEPSSA species.

7.0 ADDITIONAL SURVEY NEEDS AND PROCEDURES (MSHCP SECTION 6.3.2)

MSHCP Section 6.3.2 requires surveys for additional plants, amphibians, small mammals, and burrowing owl for projects located within mapped survey areas.

7.1 CRITERIA AREA PLANT SPECIES

The project is not within a mapped survey area for Criteria Area Species Survey Area (CASSA) plant species.

7.2 AMPHIBIANS

The project is not within a mapped survey area for amphibian species.

7.3 BURROWING OWL

The project is not within a mapped survey area for burrowing owl.

7.4 MAMMALS

The project is not within a mapped survey area for mammals.

8.0 INFORMATION ON OTHER SPECIES

8.1 DELHI SANDS FLOWER-LOVING FLY

The MSHCP requires surveys for Delhi sands flower-loving fly in most areas of mapped Delhi series soils where suitable habitat exists (MSHCP Section 9).

The project site is not within an area of mapped Delhi soils and (as noted in Section 2.0, above) soil observed throughout the site is sandy loam, which is inconsistent with Delhi soils; therefore, no survey or additional analysis is required for this species.

8.2 SPECIES NOT ADEQUATELY CONSERVED

Some species that will eventually have full coverage under the MSHCP are not considered adequately conserved until requirements indicated in Table 9-3 of MSHCP Section 9 are met.

8.2.1 Methods

A literature review was conducted to investigate the potential occurrence of special-status species on the project site or in the vicinity. Database records for the *Beaumont, Cabazon, Forest Falls, San Jacinto,* and *El Casco, California* USGS 7.5-minute quadrangles were searched on December 18, 2020, using *Rarefind 5* (CDFW Natural Diversity Database 2020). The data were filtered for species occurring at elevations below 2,800 feet.

8.2.2 Existing Results

None of the species lacking full coverage has been reported from the project site and none was observed during the site visit. Given the habitat quality, none of these species has more than a low potential of being present.

9.0 GUIDELINES PERTAINING TO THE URBAN/WILDLANDS INTERFACE (MSHCP SECTION 6.1.4)

To preserve the integrity of areas described as existing or future MSHCP Conservation Areas, the guidelines contained in Section 6.1.4 (Urban Wildlands Interface Guidelines) are to be implemented for projects that are located adjacent to either existing conservation or land described for conservation in the MSHCP Criteria Area.

The project site is not located adjacent to conserved lands or lands in the Criteria Area that are described for conservation. Therefore, the Urban Wildlands Interface Guidelines do not apply to this project.

10.0 POTENTIAL JURISDICTIONAL WATERS AND STREAMBEDS

One drainage feature is present in the southeastern portion of the site (Appendix A, Figure 3). This feature is deeply incised and received ephemeral runoff from Elm Avenue. Vegetation within this feature is sparse and consists of the same upland species characteristic of the non-native grassland areas of the site.

This drainage feature is subject to jurisdiction by the CDFW as a streambed and by the RWQCB as waters of the State. Permits from these agencies would likely be required if the feature were to be affected by project construction. According to the site plan provided by the client, however, this feature is not within the project impact area.

As an ephemeral drainage, this feature is not subject to regulation by the U.S. Army Corps of Engineers (USACE).

The findings and conclusions presented in this report, including the location and extent of wetlands and other waters subject to regulatory jurisdiction, represent the professional opinion of LSA. These findings and conclusions should be considered preliminary until verified by the USACE, RWQCB, and CDFW.

11.0 NESTING BIRDS

During the bird breeding season (typically February 1 through August 31), large trees on or adjacent to the project site may be used by hawks, ravens, or other large birds for nesting. Trees, shrubs, and other vegetation may provide nest sites for smaller birds. Most birds and their active nests are protected from "take" (meaning destruction, pursuit, possession, etc.) under the Migratory Bird Treaty Act and/or Sections 3503–3801 of California Fish and Game Code. Activities that cause destruction of active nests, or that cause nest abandonment and subsequent death of eggs or young, may constitute violations of one or both of these laws.

If trees are to be removed during the nesting season, a pre-construction nesting bird survey should be conducted and avoidance measures taken to ensure that no take of birds or their nests will occur.

12.0 CEQA COMPLIANCE

12.1 ADOPTED HABITAT CONSERVATION PLANS

Section 10(a)(2)(A) of the 1973 Federal Endangered Species Act requires the preparation of a habitat conservation plan (HCP) for incidental take of threatened or endangered species when there is no federal agency involvement in a project. Continuing land development may cause incidental take of listed species and, therefore, HCPs have been prepared for areas within western Riverside County. The MSHCP and the Stephens' Kangaroo Rat HCP are the principal habitat conservation plans in western Riverside County. The USFWS regional office maintains a current list of habitat conservation plans for the southern California region.

The project site is within the MSHCP area. The project site is not subject to any other adopted HCP.

12.2 THREATENED AND ENDANGERED SPECIES

The USFWS and CDFW may list species as threatened or endangered under the Federal and State Endangered Species Acts. The USFWS can designate critical habitat that identifies specific areas, either occupied or unoccupied, that are essential to the conservation of a listed species. Critical habitat areas may require special management considerations or protections. The USFWS and CDFW have issued permits for the take of most threatened and endangered species within the MSHCP Plan Area. The MSHCP covers impacts to these species. However, if a project has the involvement of a federal agency, that agency is required to address impacts to listed species and critical habitat by consulting with the USFWS. The USFWS has indicated in the permit issued for the MSHCP that, in such cases, the consultation will be expedited and that no restrictions will be imposed on the project beyond those specified in the MSHCP.

With the possible exception of Stephens' kangaroo rat, which is covered under the MSHCP, no threatened or endangered species are expected to occur on the project site.

12.3 OTHER SPECIAL-STATUS SPECIES

Other special-status species may occur on the proposed project site. The CDFW, USFWS, local agencies, and special interest groups, such as the California Native Plant Society (CNPS), maintain lists of species that they consider to be in need of monitoring. Legal protection for special-status species varies widely.

The special-status species listed in Table A may be expected to occur in the general project vicinity but are not covered under the MSHCP, or are not adequately conserved by the MSHCP at this time. Some of these species have a low potential of occurring on the project site. However, none of these species that may be present is listed as threatened or endangered under State or federal law, and the site does not contain high quality habitat for any of these species. Therefore, any impacts to these species by the project would not be substantial. Neither additional surveys nor additional conservation measures will be required by this project for these species.

Table A: Special-Status Species Potentially Occurring in the Project Vicinity that are not Adequately Covered by the MSHCP

Species	Status	Habitat and Distribution	Growth Form and Blooming Period	Occurrence Probability
Plants				
Abronia villosa var. *aurita* **Chaparral sand-verbena**	US: – CA: 1B	Sandy areas (generally flats and benches along washes) in chaparral and coastal sage scrub, and improbably in desert dunes or other sandy areas, below 1,600 meters (5,300 feet) elevation. In California, reported from Riverside, San Diego, Imperial, Los Angeles, and Ventura Counties. Believed extirpated from Orange County. Also reported from Arizona and Mexico (Baja California). Plants reported from desert communities are likely misidentified.	Blooms mostly March through August (annual or perennial herb)	Absent. No sandy areas on site.
Astragalus lentiginosus var. *coachellae* **Coachella Valley milk-vetch**	US: FE CA: 1B	Sandy areas, typically in coarse sands in active sand fields, adjacent to dunes, along roadsides in dune areas, or along the margins of sandy washes, in Sonoran Desert scrub at 60 to 655 meters (200 to 2,150 feet) elevation. Known only from Riverside County in the Coachella Valley between Cabazon and Indio, and in the Chuckwalla Valley northeast of Desert Center.	Blooms February through May (annual or perennial herb)	Absent. No sandy areas on site.
Chorizanthe xanti var. *leucotheca* **White-bracted spineflower**	US: – CA: 1B	Sandy to gravelly places in Mojave desert scrub, pinyon and juniper woodland, or coastal scrub in the Transverse and Peninsular Ranges and desert edge foothills at 300 to 1,200 meters (980 to 3,900 feet) elevation in coastal southern California and adjacent desert areas. Known only from Los Angeles, Riverside, San Bernardino, and San Diego Counties, California.	Blooms April through June (annual herb)	Absent. No sandy or naturally gravelly areas on site.
Deinandra mohavensis **Mojave tarplant**	US: – CA: SE/1B	Seeps, drainages (including low areas along roads), ponds, and similar mesic areas, generally in sandy alluvial soil, in openings in riparian scrub, coastal scrub, and chaparral at 640 to 1,600 meters (2,100 to 5,300 feet) elevation. Known only from California from the San Jacinto Mountains in Riverside County, the Sierra Nevadas in Kern County, the north edge of the San Bernardino Mountains in San Bernardino County (believed extirpated), and around Palomar Mountain in San Diego County. (A 1997 Connie Rutherford collection is mapped by the Jepson eFlora in open desert near Palmdale, but should be	Blooms (May) June through October (January) (annual herb)	Absent. No mesic areas on site; no sandy areas.

Table A: Special-Status Species Potentially Occurring in the Project Vicinity that are not Adequately Covered by the MSHCP

Species	Status	Habitat and Distribution	Growth Form and Blooming Period	Occurrence Probability
		mapped in the Sierra Nevada foothills according to the collection's locality description.)		
Horkelia cuneata ssp. *puberula* **Mesa horkelia**	US: – CA: 1B	Sandy or gravelly soils in chaparral, or rarely in cismontane woodland or coastal scrub at 70 to 825 meters (200 to 2,700 feet) elevation. Known only from San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Bernardino Counties, California. Believed extirpated from Riverside and San Diego Counties.	Blooms February through July (sometimes to September) (perennial herb)	Absent. No sandy or naturally gravelly areas on site.
Pseudognaphalium leucocephalum **White rabbit-tobacco**	US: – CA: 2B	Sand and gravel at the edges of washes or mouths of steep canyons at 0 to 2,100 meters (0 to 7,000 feet) elevation. In California, known from Los Angeles, Orange, Riverside, Santa Barbara, San Diego, San Luis Obispo, and Ventura Counties. Also occurs in Arizona, New Mexico, Texas, and Mexico.	Blooms usually August through November (perennial herb)	Absent. No sandy or naturally gravelly areas on site.
Symphyotrichum defoliatum **San Bernardino aster**	US: – CA: 1B	Vernally wet sites (such as ditches, streams, and springs) in many plant communities below 2,040 meters (6,700 feet) elevation. In California, known from Ventura, Kern, San Bernardino, Los Angeles, Orange, Riverside, and San Diego Counties. May also occur in San Luis Obispo County. In the western Riverside County area, this species is scarce, and documented only from Temescal and San Timoteo Canyons (*The Vascular Plants of Western Riverside County, California*. F.M. Roberts et al., 2004).	Blooms July through November (perennial herb)	Absent. No vegetated vernally wet areas.
Invertebrates				
Bombus crotchii **Crotch bumble bee**	US: – CA: SCE	Inhabits open scrub and grassland from coastal California to crest of Sierra-Cascade and in desert edge areas, south into Mexico. Primarily nests underground. Suitable habitat requires the continuous availability of flowers on which to forage throughout the duration of the colony (spring through fall), colony nest sites, and overwintering sites for the queens.	Spring and summer	Absent. Insufficient variety of floral resources; regular disking precludes nesting sites.

Table A: Special-Status Species Potentially Occurring in the Project Vicinity that are not Adequately Covered by the MSHCP

Species	Status	Habitat and Distribution	Growth Form and Blooming Period	Occurrence Probability
Reptiles				
Anniella stebbinsi **Southern California legless lizard**	US: – CA: SSC	Inhabits sandy or loose loamy soils with high moisture content under sparse vegetation in Southern California.	Nearly year round, at least in southern areas	Absent. No sandy or loose loamy soils.
Arizona elegans occidentalis **California glossy snake**	US: – CA: SSC	Scrub and grassland habitats, often with loose or sandy soils. Patchily distributed from the eastern portion of San Francisco Bay to southern San Joaquin Valley and in non-desert areas of southern California. Also occurs in Baja California, Mexico.	Most active March through June (nocturnal)	Low. Habitat poor due to disturbance and sparse native vegetation.
Mammals				
Antrozous pallidus **Pallid bat**	US: – CA: SSC	Most common in open, dry habitats with rocky areas for roosting. Day roosts in caves, crevices, rocky outcrops, tree hollows or crevices, mines and occasionally buildings, culverts, and bridges. Night roosts may be more open sites, such as porches and open buildings. Grasslands, shrublands, woodlands, and forest in western North America.	Year-round; nocturnal	Low. No roosting habitat on site, but may occasionally forage over site.
Corynorhinus townsendii **Townsend's big-eared bat**	US: – CA: SCE	Requires caves, mines, tunnels, bridges, buildings, or other similar structures for roosting. Has also been documented using rock crevices and hollow trees for roosting. Often uses separate sites for night, day, hibernation, or maternity roosts. Ranges from southwestern Canada through the western United States to southern Mexico.	Year-round; nocturnal	Low. No roosting habitat on site, but may occasionally forage over site.
Lasiurus xanthinus **Western yellow bat**	US: – CA: SSC	Found mostly in desert and desert riparian areas of the southwest U.S., but also expanding its range with the increased usage of native and non-native ornamental palms in landscaping. Individuals typically roost amid dead fronds of palms in desert oases, but have also been documented roosting in cottonwood trees. Forage over many habitats.	Year-round; nocturnal	Low. No roosting habitat on site, but may occasionally forage over site.
Chaetodipus californicus femoralis **Dulzura pocket mouse**	US: – CA: SSC	Found in a variety of habitats including coastal sage scrub, chaparral and grassland in northern Baja California, San Diego and extreme southwestern and western Riverside Counties. Limit of range to northwest (at interface with *C. c. dispar*) unclear.	Year-round	Absent. Site is not within expected range.

Table A: Special-Status Species Potentially Occurring in the Project Vicinity that are not Adequately Covered by the MSHCP

Species	Status	Habitat and Distribution	Growth Form and Blooming Period	Occurrence Probability
Chaetodipus fallax pallidus **Pallid San Diego pocket mouse**	US: – CA: SSC	Found in sandy herbaceous areas, usually associated with rocks or coarse gravel in desert wash, desert scrub, desert succulent scrub, pinyon-juniper woodlands, etc. in desert border areas of Southern California into Mexico.	Nocturnal, active year-round	Absent. No sandy areas on site.
Onychomys torridus ramona **Southern grasshopper mouse**	US: – CA: SSC	Believed to inhabit sandy or gravelly valley floor habitats with friable soils in open and semi-open scrub, including coastal sage scrub, mixed chaparral, low sagebrush, riparian scrub, and annual grassland with scattered shrubs, preferring low to moderate shrub cover. More susceptible to small- and large-scale habitat loss and fragmentation than most other rodents, due to its low fecundity, low population density, and large home range size. Arid portions of southwestern California and northwestern Baja California.	Nocturnal, active year-round	Absent. No sandy or gravelly areas with friable soils on site.
Xerospermophilus tereticaudus chlorus **Palm Springs round-tailed ground squirrel**	US: – CA: SSC	Desert succulent scrub, desert wash, desert scrub, alkali scrub; will burrow in man-made levees; prefers open, flat, grassy areas in fine textured, sandy soil. Restricted to Coachella Valley.	February through August (hibernates September through January)	Absent. No desert communities on site.
Taxidea taxus **American badger**	US: – CA: SSC	Primary habitat requirements seem to be sufficient food and friable soils in relatively open uncultivated ground in grasslands, woodlands, and desert. Widely distributed in North America.	Year-round	Absent. No suitable burrows on site; habitat poor.

LEGEND	
US: Federal Classifications	
FE	Listed as Endangered.
CA: State Classifications	
SE	State-listed as Endangered.
SCE	State candidate for listing as Endangered.
SSC	Species of Special Concern. Refers to animals with vulnerable or seriously declining populations.
1B	California Rare Plant Rank 1B: Rare, threatened or endangered in California and elsewhere.
2B	California Rare Plant Rank 2B: Rare, threatened or endangered in California, but more common elsewhere.

12.4 WILDLIFE MOVEMENT, CORRIDORS AND NURSERY SITES

Wildlife movement includes seasonal migration along corridors, as well as daily movements for foraging. Migrational corridors may include areas of unobstructed movement of deer, riparian corridors providing cover for migrating birds, routes between breeding waters and upland habitat for amphibians, and between roosting and feeding areas for birds.

The project site is located adjacent to roads and existing development that already restrict wildlife movement in the project vicinity. The proposed project would not substantially limit wildlife movement.

12.5 NATURAL COMMUNITIES OF INTEREST

Riparian habitats, oak woodlands, and vernal pools are among the natural communities of interest to the CDFW.

There are no are no riparian communities, vernal pools, or other sensitive plant communities on the project site.

12.6 WETLANDS

There are no wetlands on the project site.

12.7 LOCAL POLICIES AND ORDINANCES PROTECTING BIOLOGICAL RESOURCES

City and County General Plans and development ordinances may include regulations or policies governing biological resources. For example, policies may include tree preservation, locally designated species survey areas, local species of interest, and significant ecological areas.

The project will not conflict with local policies or ordinances applicable to biological resources.

12.8 INDIRECT EFFECTS

Indirect impacts to surrounding areas as a result of the project may include, but are not limited to, increased noise, lighting, traffic, and storm water runoff. Because of the small scale of the project and its location within a landscape that is already highly disturbed or developed, substantial indirect impacts to sensitive biological resources are not anticipated.

12.9 CUMULATIVE EFFECTS

Project construction will contribute to the incremental loss of non-native grassland and coastal sage scrub in the region, including potential low-quality habitat for some special-status species. Cumulative impacts potentially include habitat fragmentation, increased edge effects, reduced habitat quality, and increased wildlife mortality. The MSHCP provides a comprehensive approach to the regional conservation of these habitats and, as a regional plan, serves to provide mitigation for cumulative impacts to covered species. Project compliance and consistency with the MSHCP ensures that any cumulative impacts to covered species are effectively mitigated. Special-status species that are not covered by the MSHCP also benefit from the surveys, conservation, and other measures of the MSHCP because they occupy many of the same habitats.

13.0 REFERENCES

California Soil Resource Lab. 2021. *Soil Survey*. https://casoilresource.lawr.ucdavis.edu/ (accessed January 7, 2021).

CDFW (California Department of Fish and Wildlife). 2020. CNDDB Maps and Data. https://www.wildlife.ca.gov/Data/CNDDB/Maps-and-Data.

Eriksen, C., and D. Belk. 1999. *Fairy Shrimps of California's Puddles, Pools, and Playas.* Mad River Press, Inc., Eureka, California.

USFWS (U.S. Fish and Wildlife Service). 2012. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Riverside Fairy Shrimp; Final Rule. Federal Register 77: 72070-72140 (December 4, 2012).

14.0 CERTIFICATION STATEMENT

I hereby certify that the statements furnished in this report present the data and information required for this biological evaluation and the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date: January 8, 2021 Signature: 

APPENDIX A

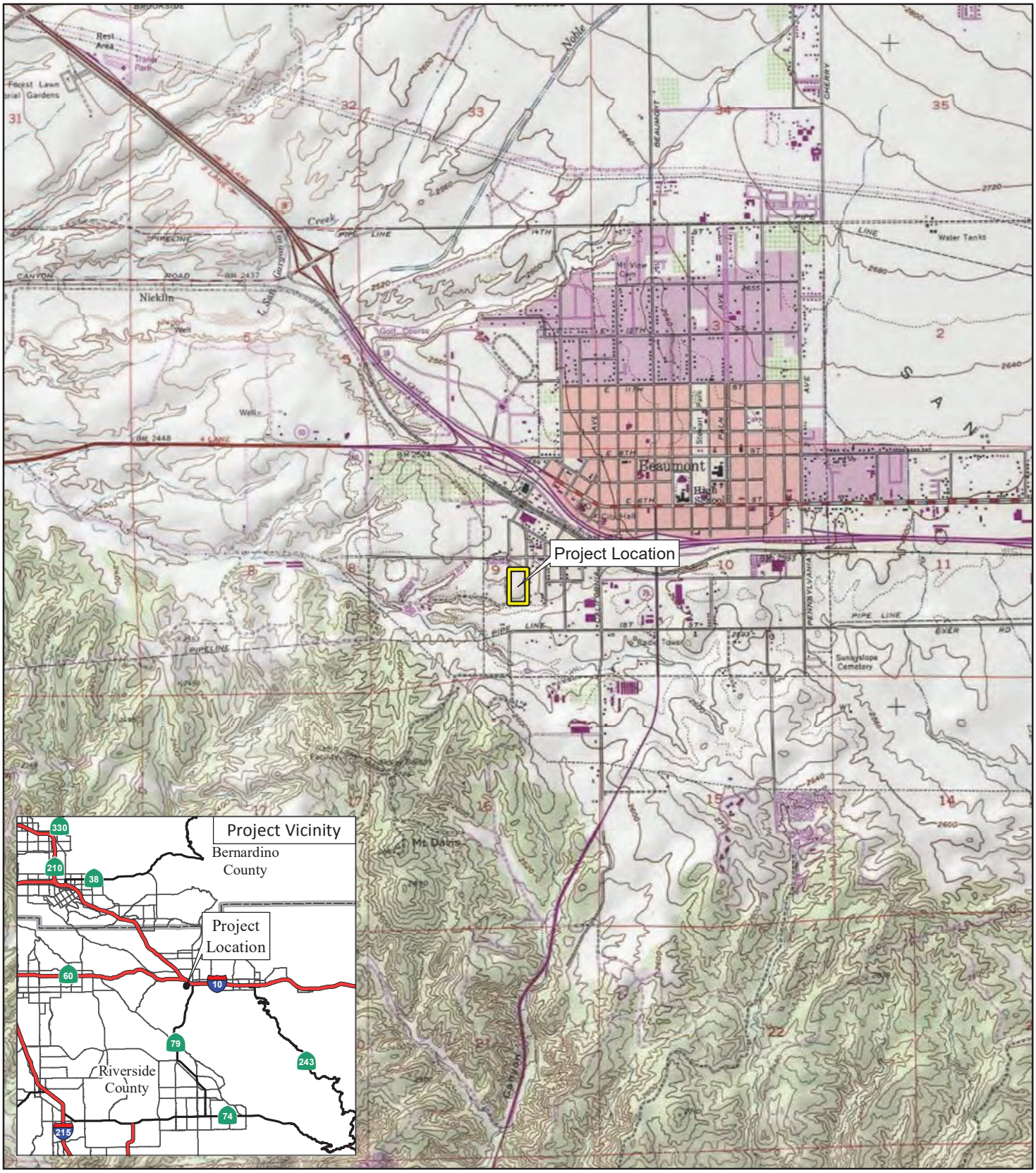
FIGURES

Figure 1: Regional and Project Location

Figures 2: Site Plan

Figure 3: Biological Study Area and Photograph Locations

Figure 4: Site Photographs



LSA

LEGEND

Project Location

FIGURE 1

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FEET

SOURCE: USGS 7.5' Quad - *Beaumont* (1988)

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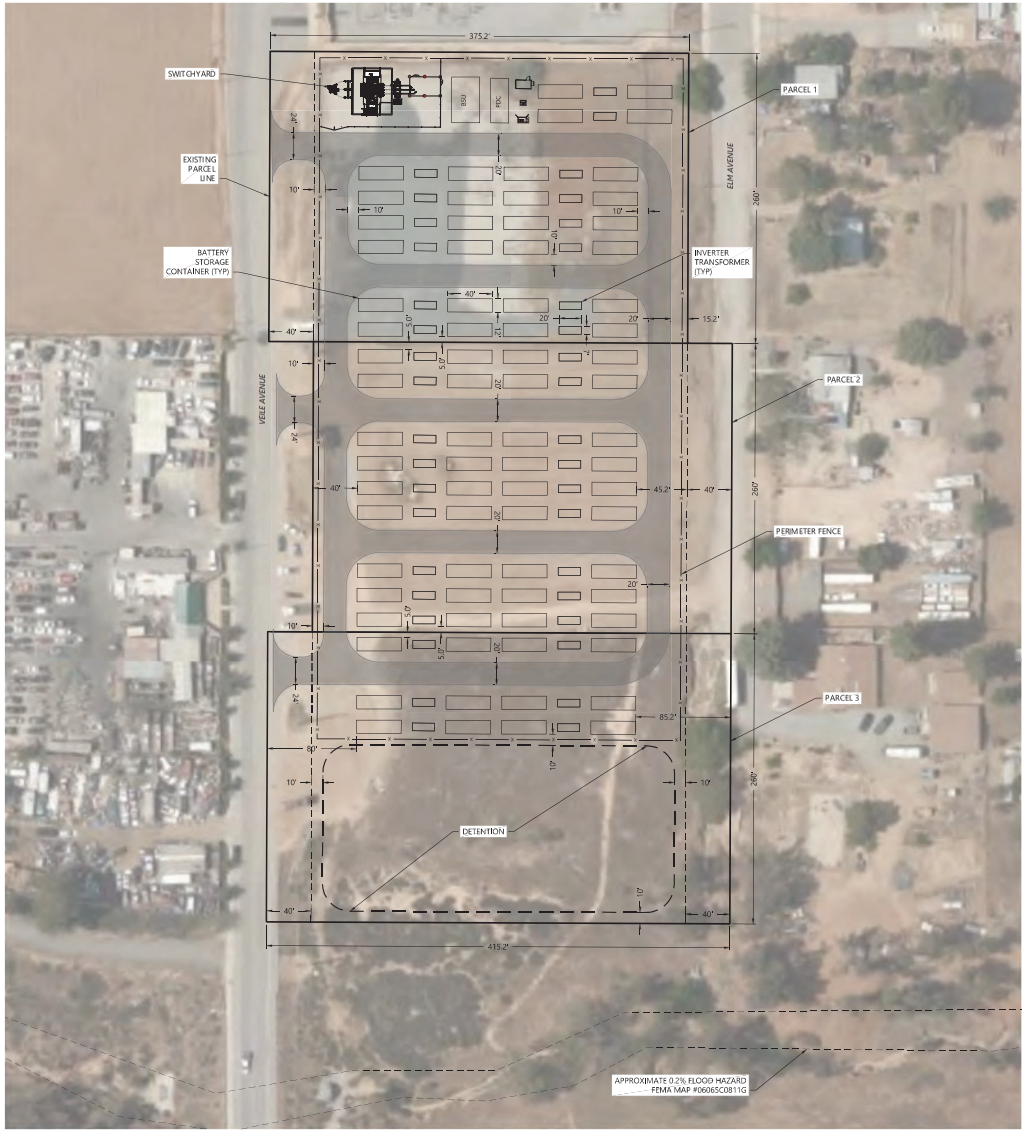
Beaumont Energy Storage

Regional and Project Location



LEGEND:

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- PARCEL LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. TREELINE
- EX. PAVED ROAD
- EX. GRAVEL ROAD
- EX. FENCE
- EX. CULVERT
- EX. FIBER OPTIC LINE
- EX. GAS PIPELINE
- EX. UNDERGROUND POWER
- EX. OVERHEAD POWER
- EX. TELEPHONE LINE
- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED LAYDOWN YARD
- UNDERGROUND COLLECTION
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- PROPOSED GRADING LIMITS
- PROPOSED DISTURBANCE LIMITS
- PROPOSED CULVERT
- PROPOSED PERIMETER CONTROL
- PR. EROSION CONTROL BLANKET

SITE DATA:

1. EXISTING ZONING — M (MANUFACTURING)
2. PROPOSED USE — BATTERY STORAGE
3. PARCEL DATA (PER RIVERSIDE COUNTY ASSESSOR)
   - PARCEL 1 - ASSESSMENT #417110012 (2.24 ACRES)
   - PARCEL 2 - ASSESSMENT #417130012 (2.24 ACRES)
   - PARCEL 3 - ASSESSMENT #417130005 (2.48 ACRES)
4. PARKING — NONE PROPOSED
5. UTILITIES
   - WATER - AS REQUIRED FOR FIRE PREVENTION
   - SANITARY - NONE PROPOSED
   - STORMWATER - PROVIDED TO MEET CURRENT ORDINANCE

LSA

FIGURE 2

N

0 100 200

FEET

SOURCE: Westwood

Beaumont Energy Storage

Site Plan

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LSA

LEGEND

Project Location

Drainage Feature

Site Photographs

N

0 60 120

FEET

SOURCE: Google (2019)

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FIGURE 3

Beaumont Energy Storage

Biological Study Area and Photograph Locations



1. View of southern portion of site, looking east.



2. View of site, looking northeast.



3. View of southern portion of site, looking southeast.



4. View of central portion of site, looking east.

LSA

FIGURE 4

Beaumont Energy Storage
Site Photographs

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5. View along western edge of site, looking north.



6. View of central portion of site, looking north.



7. View of northern portion of site, looking east.



8. View of site, looking southeast.

LSA

FIGURE 4

Beaumont Energy Storage
Site Photographs

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9. View of drainage along east edge of site, looking north.



10. View along east edge of site, looking north.



11. View along east edge of site, looking south.



12. View of site, looking southwest.

LSA

FIGURE 4

Beaumont Energy Storage
Site Photographs

APPENDIX B

PLANT SPECIES OBSERVED

Plant Species Observed

Scientific Name	Common Name
EUDICOT	
Chenopodiaceae	**Saltbush Family**
Amaranthus albus (non-native species)	Tumbling pigweed
Atriplex semibaccata (non-native species)	Australian saltbush
Salsola tragus (non-native species)	Russian thistle
Asteraceae	**Sunflower Family**
Centaurea melitensis (non-native species)	Maltese star-thistle
Erigeron canadensis	Canadian horseweed
Ericameria palmeri var. *pachylepis*	Box Springs goldenbush
Helianthus annuus	Common sunflower
Heterotheca grandiflora	Telegraph weed
Lactuca serriola (non-native species)	Prickly lettuce
Stephanomeria sp. (non-native species)	Wreath-plant
Brassicaceae	**Mustard Family**
Hirschfeldia incana (non-native species)	Shortpod mustard
Euphorbiaceae	**Spurge Family**
Croton setigerus	Dove weed
Geraniaceae	**Geranium Family**
Erodium cicutarium (non-native species)	Redstem stork's bill
Erodium botrys or *brachycarpum* (non-native species)	Stork's bill
Juglandaceae	**Walnut Family**
Juglans regia	English walnut
Lamiaceae	**Mint Family**
Trichostema lanceolatum	Vinegar weed
Malvaceae	**Mallow Family**
Malva parviflora (non-native species)	Cheeseweed
Meliaceae	**Mahogany Family**
Melia azadarach (non-native species)	Persian lilac
Myrtaceae	**Myrtle Family**
Eucalyptus sp. (non-native species)	Gum trees
Papaveraceae	**Poppy Family**
Eschscholzia californica	California poppy
Plantaginaceae	**Plantain Family**
Plantago lanceolate (non-native species)	English plantain
Polygonaceae	**Buckwheat Family**
Eriogonum fasciculatum	California buckwheat
Polygonum aviculare (non-native species)	Common knotweed
Simaroubaceae	**Quassia Family**
Ailanthus altissima (non-native species)	Tree of heaven

Plant Species Observed

Scientific Name	Common Name
Solanaceae	**Nightshade Family**
Datura wrightii	Sacred thorn-apple
Solanum elaeagnifolium (non-native species)	White horse-nettle
Ulmaceae	**Elm Family**
Ulmus sp. (non-native species)	Elm
MONOCOTS	
Poaceae	**Grass family**
Bromus diandrus (non-native species)	Ripgut brome
Bromus madritensis (non-native species)	Foxtail chess
Hordeum murinum (non-native species)	Mouse barley

Appendix C

Cultural Resources Report

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May 18, 2021 13279

Nathan Vajdos
Beaumont ESS, LLC
11455 El Camino Real, Suite 160
San Diego, California 92130

Subject: *Archaeological and Paleontological Resources Assessment for the Beaumont Energy Storage Project, City of Beaumont, Riverside County, California*

Dear Mr. Vajdos,

This letter documents the archaeological and paleontological resources assessment conducted by Dudek for the Beaumont Energy Storage Project (Project), located in the City of Beaumont, Riverside County, California. This assessment includes the results of a California Historical Resources Information System (CHRIS) records search; a paleontological records search through the Natural History Museum of Los Angeles County (LACM); review of geotechnical, archival, academic, and ethnographic information; an intensive-level pedestrian survey of the Project site for cultural and paleontological resources; a sensitivity analysis for archaeological and paleontological resources, and management recommendations for archaeological and paleontological resources.

This letter report was prepared in conformance with the California Environmental Quality Act (CEQA) Guidelines Section 15064.5 for historical resources, 21083.2 for archaeological resources, and 5097.5 for paleontological resources. The City of Beaumont (City) is the lead agency responsible for compliance with the CEQA. This report was prepared by Dudek archaeologists meeting the Secretary of the Interior's Professional Qualifications Standards and paleontologists meeting the Society of Vertebrate Paleontology's standards for paleontological principal investigators.

Project Location and Present Use

The Project site is located in the northwestern portion of Riverside County, California. The Project site falls on public land survey system Section 9, Township 3 South, Range 1 West of the *Beaumont*, CA 7.5-minute USGS Quadrangle (See Figure 1). Regionally, the Project site is within a geologic divide known as the San Gorgonio Pass that separates the Transverse Ranges to the north from the Peninsular Ranges to the south. The San Jacinto Mountains, the northernmost of the Peninsular Ranges, are approximately 0.5-mile south of the Project site.

Specifically, the Project site is located at 248 Veile Avenue, Beaumont, California 92223. The approximately 7-acre Project site is comprised of three parcels listed from north to south respectively: Assessor's Parcel Numbers (APN) 417-110-012, 417-130-012, and 417-130-005 (See Figure 2). The Project site is bound to the north directly by the Southern California Edison (SCE) Maraschino substation with West 4th Street beyond that, to the west by Veile Avenue, to the east by Elm Avenue, and to the south by an eastern trending drainage and unimproved vacant land. The Project is surrounded on the north, south, and west by commercial and industrial uses, including the SCE Maraschino substation and Diamond Hills Recycling Center and M&M Auto Wrecking Yard. There are low density residential uses to the east. The Project site is comprised of mixed developed and unimproved vacant land.

Project Description

The proposed Project consists of the development of a nominal 100-megawatt (MW) / 400 megawatt-hour (MWh) lithium-ion stationary battery storage. The Project's batteries will be installed in racks that are housed in outdoor Battery Energy Storage System (BESS) enclosures that will be accessed from the outside via metal cabinet doors for maintenance needs. The Project will be charged from the electric grid via the SCE Maraschino substation, located immediately adjacent to the Project site. The Project will be operated remotely with no permanent on-site operations and maintenance personnel, and no occupied buildings, habitable structures, or parking. The site will be fully fenced and will not be open to the public.

Project construction includes site preparation and grading, installation of drainage and detention basins, installation of concrete foundations/supports and/or driven pile foundations, setting battery enclosures, underground trenching for electrical cable and telecommunications, wiring and electrical system installation, and assembly of the accessory components including inverter transformers and generation step-up transformers installation of high voltage equipment, on-site switchyard and generation tie-line interconnecting to the SCE substation at the 115kV line. Municipal water supply may be extended to the Project for fire protection and maintenance.

The Project would require approximately up to 8,400 cubic yards (cy) of cut and up to 4,000 cy of fill. Excess cut that cannot be placed on the site will be trucked from the site to a location determined by the construction contractor that is expected to be located within approximately 20 miles of the Project site. Any contaminated cut will be disposed of in a permitted landfill.

Regulatory Context

This section includes a discussion of the applicable state laws, ordinances, regulations, and standards governing cultural resources, which must be adhered to before and during construction of the Project.

Federal

The Project does not have a federal nexus and therefore is not subject to Federal regulations.

State

The California Register of Historical Resources (CRHR)

In California, the term "historical resource" includes, but is not limited to, "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code (PRC), Section 5020.1(j)). In 1992, the California legislature established the California Register of Historical Resources (CRHR) "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1(a)). The criteria for listing resources on the CRHR were expressly developed to be in accordance with previously established criteria developed for listing

in the National Register of Historic Places (NRHP), enumerated below. According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
(2) Is associated with the lives of persons important in our past.
(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
(4) Has yielded, or may be likely to yield, information important in prehistory or history.

In order to understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 California Code of Regulations [CCR] 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

Assembly Bill 52

Assembly Bill 52 of 2014 (AB 52) amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3.

Consultation with Native Americans

AB 52 formalizes the consultation process between lead agencies and tribal representatives, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with a project area. This includes tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Tribal Cultural Resources

Section 4 of AB 52 adds Sections 21074 (a) and (b) to the PRC, addressing tribal cultural resources and cultural landscapes. Section 21074 (a) defines tribal cultural resources as one of the following:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
   a. Included or determined to be eligible for inclusion in the California Register of Historical Resources.
   b. Included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set

forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

Section 1 (a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on tribal cultural resources should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to tribal cultural resources, the consultation shall include those topics (PRC Section 21080.3.2[a]). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

Native American Historic Cultural Sites

The Native American Historic Resources Protection Act (California Public Resources Code Section 5097, et seq.) addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the NRHC to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy an Indian historic or cultural site that is listed or may be eligible for listing in the CRHR.

California Native American Graves Protection and Repatriation Act

The California Native American Graves Protection and Repatriation Act (California Repatriation Act), enacted in 2001, requires all state agencies and museums that receive state funding and that have possession or control over collections of human remains or cultural items, as defined, to complete an inventory and summary of these remains and items on or before January 1, 2003, with certain exceptions. The California Repatriation Act also provides a process for the identification and repatriation of these items to the appropriate tribes.

California Environmental Quality Act

As described further below, the following CEQA statutes and CEQA Guidelines are relevant to the analysis of archaeological and historic resources:

1. California Public Resources Code Section 21083.2(g): Defines "unique archaeological resource."
2. California Public Resources Code Section 21084.1 and CEQA Guidelines Section 15064.5(a): Defines historical resources. In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource. It also defines the circumstances when a project would materially impair the significance of a historical resource.
3. California Public Resources Code Section 5097.98 and CEQA Guidelines Section 15064.5(e): These statutes set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.

4. California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4: These statutes and regulations provide information regarding the mitigation framework for archaeological and historic resources, including options of preservation-in-place mitigation measures; identifies preservation-in-place as the preferred manner of mitigating impacts to significant archaeological sites.

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(b)). An "historical resource" is any site listed or eligible for listing in the CRHR. The CRHR listing criteria are intended to examine whether the resource in question: (a) is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; (b) is associated with the lives of persons important in our past; (c) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or (d) has yielded, or may be likely to yield, information important in pre-history or history.

The term "historical resource" also includes any site described in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code Section 5024.1(q)).

CEQA also applies to "unique archaeological resources." California Public Resources Code Section 21083.2(g) defines a "unique archaeological resource" as any archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

5. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
6. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
7. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

In 2014, CEQA was amended to apply to "tribal culture resources" as well, but the amendment did not provide a definition for such resources or identify how they were to be evaluated or mitigated (California Public Resources Code Sections 21084.2 and 21084.3). Instead, California Public Resources Code Section 21083.09 required that the Office of Planning and Research develop and adopt guidelines for analyzing "tribal cultural resources" by July 1, 2016. As of the effective date of this report, however, those guidelines have not been finalized or adopted. Consequently, this report addresses only historic resources and unique archaeological resources.

All historical resources and unique archaeological resources – as defined by statute – are presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(a)). A site or resource that does not meet the definition of "historical resource" or "unique archaeological resource" is not considered significant under CEQA and need not be analyzed further (California Public Resources Code Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)).

Under CEQA and significant cultural impact results from a "substantial adverse change in the significance of an historical resource [including a unique archaeological resource]" due to the "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); California Public Resources Code Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

CEQA Guidelines Section 15064.5(b)(2)

Pursuant to these sections, the CEQA first evaluates evaluating whether a project site contains any "historical resources," then assesses whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

When a project significantly affects a unique archeological resource, CEQA imposes special mitigation requirements. Specifically, "[i]f it can be demonstrated that a project will cause damage to a unique archeological resource, the lead agency may require reasonable efforts to be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. Examples of that treatment, in no order of preference, may include, but are not limited to, any of the following:"

1. "Planning construction to avoid archeological sites."
2. "Deeding archeological sites into permanent conservation easements."
3. "Capping or covering archeological sites with a layer of soil before building on the sites."
4. "Planning parks, greenspace, or other open space to incorporate archeological sites."

California Public Resources Code Section 21083.2(b)(1)-(4)

If these "preservation in place" options are not feasible, mitigation may be accomplished through data recovery (California Public Resources Code Section 21083.2(d); CEQA Guidelines Section 15126.4(b)(3)(C)). California Public Resources Code Section 21083.2(d) states that "[e]xcavation as mitigation shall be restricted to those parts of the unique archeological resource that would be damaged or destroyed by the project. Excavation as mitigation shall not be required for a unique archeological resource if the lead agency determines that testing or studies

already completed have adequately recovered the scientifically consequential information from and about the resource, if this determination is documented in the environmental impact report."

These same requirements are set forth in slightly greater detail in CEQA Guidelines Section 15126.4(b)(3), as follows:

(A) Preservation in place is the preferred manner of mitigating impacts to archeological sites. Preservation in place maintains the relationship between artifacts and the archeological context. Preservation may also avoid conflict with religious or cultural values of groups associated with the site.

(B) Preservation in place may be accomplished by, but is not limited to, the following:

1. Planning construction to avoid archeological sites;
2. Incorporation of sites within parks, greenspace, or other open space;
3. Covering the archeological sites with a layer of chemically stable soil before building tennis courts, parking lots, or similar facilities on the site [; and]
4. Deeding the site into a permanent conservation easement.

(C) When data recovery through excavation is the only feasible mitigation, a data recovery plan, which makes provision for adequately recovering the scientifically consequential information from and about the historical resource, shall be prepared and adopted prior to any excavation being undertaken.

Note that, when conducting data recovery, "[i]f an artifact must be removed during project excavation or testing, curation may be an appropriate mitigation." However, "[d]ata recovery shall not be required for an historical resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the archeological or historic resource, provided that determination is documented in the EIR and that the studies are deposited with the California Historical Resources Regional Information Center" (CEQA Guidelines Section 15126.4(b)(3)(D)).

California Health and Safety Code

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in California Public Resources Code Section 5097.98.

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (Section 7050.5b). California Public Resources Code Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the Native American Heritage Commission (NAHC) within 24 hours (section 7050.5c). The NAHC will notify the Most Likely Descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. The inspection must be completed within 48

hours of notification of the MLD by the NAHC. The MLD may recommend means of treating or disposing of, with appropriate dignity, the human remains, and items associated with Native Americans.

Paleontological Resources

Paleontological resources are limited, nonrenewable resources of scientific, cultural, and educational value and are afforded protection under state (CEQA) laws and regulations. This study satisfies project requirements in accordance with CEQA (13 PRC, 21000 et seq.) and Public Resources Code Section 5097.5 (Stats 1965, c 1136, p. 2792). This analysis also complies with guidelines and significance criteria specified by the Society of Vertebrate Paleontology ([SVP] 2010).

Paleontological resources are explicitly afforded protection by CEQA, specifically in Section VII (f) of CEQA Guidelines Appendix G, the "Environmental Checklist Form," which addresses the potential for adverse impacts to "unique paleontological resource[s] or site[s] or unique geologic feature[s]." This provision covers fossils of signal importance – remains of species or genera new to science, for example, or fossils exhibiting features not previously recognized for a given animal group – as well as localities that yield fossils significant in their abundance, diversity, preservation, and so forth. Further, CEQA provides that generally, a resource shall be considered "historically significant" if it has yielded or may be likely to yield information important in prehistory (CEQA Guidelines Section 15064.5 [a][3][D]). Paleontological resources would fall within this category. The PRC, Chapter 1.7, sections 5097.5 and 30244 also regulate removal of paleontological resources from state lands, define unauthorized removal of fossil resources as a misdemeanor, and require mitigation of disturbed sites.

Local

Beaumont General Plan

The City of Beaumont General Plan Update (2020) specifies preservation of cultural, tribal, and historical resources under their goals and policies for the Conservation + Open Space Element. The goals and policies pertaining to cultural, tribal, and historical resources are as follows:

Goal 8.11: A City where archaeological, cultural resources, tribal cultural resources, and historical places are identified, recognized, and preserved.

- Policy 8.11.1: Avoid or when avoidance is not feasible, minimize impacts to sites with significant archaeological, paleontological, cultural and tribal cultural resources, to the extent feasible.
- Policy 8.11.2: Comply with notification of California Native American tribes and organizations of proposed projects that have the potential to adversely impact cultural resources, per the requirements of AB52 and SB18.
- Policy 8.11.3: Encourage the preservation of historic (i.e., non-archaeological) resources, when practical. When it is not practical to preserve a historic resource in its entirety, require the architectural details and design elements of historic structures to be preserved during renovations and remodels as much as feasible.
- Policy 8.11.4: Require that any human remains discovered during implementation of public and private projects within the City be treated with respect and dignity and fully comply with the California Native American Graves Protection and Repatriation Act, California Public Resources Code Amended Statutes

1982 Chapter 1492, California Public Resources Code Statutes 2006, Chapter 863, Section 1, CA Health and Safety Code Section 7050.5 , Public Resources Code Section 5097.98, Public Resources Code Section 5097.94, SB 447 (Chapter 404, Statutes of 1987) and other appropriate laws.

- Policy 8.11.6: Consider the establishment of an arts and culture district that encourages venues for the arts and entertainment, protects historical buildings and cultural resources, and enhances the City image.

Background Research

CHRIS Records Search

Dudek acquired CHRIS data from the cultural resources assessment prepared for the Beaumont General Plan Update (Thomas and Mirro 2018). The previous records search was conducted in April and July 2017 and as it encompassed all properties within the City of Beaumont city limits, it includes the current Project site.

The CHRIS records search results provided by the Eastern Information Center (EIC) located on the campus of the University of California, Riverside include their collections of mapped prehistoric and historic archaeological resources and historic built-environment resources; Department of Parks and Recreation site records; technical reports; archival resources; and ethnographic references. Dudek reviewed the EIC records to determine whether the implementation of the Project would have the potential to impact known cultural resources.

Previously Conducted Cultural Resources Studies

Results of the 2017 cultural resources records search indicate that 10 previous cultural resources studies have been conducted within 1-mile of the Project site. These studies were conducted between 1990 through 2014. None of these studies overlap or intersect the Project site. This indicates that the Project site has not been previously studied for the presence of cultural resources and also indicates that no cultural resources have been reported as present at the project site. Table 1 provides a list of the previous cultural resources studies conducted within 1-mile of the Project site.

Table 1. Previously Conducted Cultural Resources Studies within 1-Mile of the Project Site

EIC Report Number	Authors	Year	Title	Proximity to Project Site
RI-03101	Powers, David W., James H. Cleland, and Rebecca M. Apple	1992	Historic Study Report, State Route 79 Widening Project, Gilman Springs Road - First Street (Lamb Canyon), 08-RIV-79, PM 33.9/40.1	Within 1-mile
RI-03102	Wahoff, Tanya	1992	Archaeological Survey Report, State Route 79 Widening Project, Gilman Springs Road - First Street (Lamb Canyon), 08-RIV-79, PM 33.9/40.1, 08214-465100	Within 1-mile

Table 1. Previously Conducted Cultural Resources Studies within 1-Mile of the Project Site

EIC Report Number	Authors	Year	Title	Proximity to Project Site
RI-03606	Becker, Kenneth	1991	A Cultural Resources Reconnaissance of the City of Beaumont Phase I Water Facilities, Riverside County, California	Within 1-mile
RI-04421	LSA Associates, Inc.	1990	Appendix B - Cultural Resources Measure A Program Project Alternatives Analysis-Environmental Component, Technical Appendix Volume 1	Within 1-mile
RI-04987	McKenna et al.	2003	A Phase I Cultural Resources Investigation for the Proposed Willow Springs Development Project Area in Beaumont, Riverside County, California	Within 1-mile
RI-06256	Ahment, Koran and Evelyn Chandler	2006	Cultural Resources Survey of a 29-Acre Parcel, Located West of Manzanita Road Near the City of Beaumont, Riverside County, California	Within 1-mile
RI-09183	Wills, Carrie D., Sarah A. Williams, and Kathleen A. Crawford	2014	Cultural Resources Records Search and Site Visit Results for T-Mobile West, LLC Candidate IE04451A (CM451 Beaumont Civic Center), 550 East 6th Street, Beaumont, Riverside County, California	Within 1-mile
RI-09309	Brunzell, David	2014	Cultural Resources Assessment of the Hertz Project, Beaumont, Riverside County, California	Within 1-mile
RI-09139	Williams, Sarah A., Carrie D. Wills, and Kathleen A. Crawford	2014	Cultural Resources Search and Site Visit Results for T-Mobile West, LLC Candidate IE0451A (CM 451 Beaumont Civic Center), 550 East 6th Street, Beaumont, Riverside County, California	Within 1-mile
RI-09612	Brunzell, David	2014	Cultural Resources Assessment of the Hertz Project, Beaumont, Riverside County, California	Within 1-mile

Previously Recorded Cultural Resources

The 2017 CHRIS records search indicates that twenty-six (26) cultural resources have been previously recorded within 1-mile of the Project site. None of these resources overlap the Project site. Within the 1-mile records search radius are one (1) previously recorded prehistoric archaeological resource, five (5) historic-era archeological resources, and twenty (20) historic built environment resources. The previously recorded resources within the 1-mile search radius contribute to the overall understanding of the cultural sensitivity regarding the surrounding cultural landscape. The majority of the previously recorded cultural resources are historic built environment resources consisting of single-family residences and ranch properties constructed in the early 20th Century. These

resources coincide with the early development of the City of Beaumont as do the remaining previously recorded historic built environment resources that provided infrastructure and transportation within the City such as the transmission line, railroad, and roads. The historic-era archaeological sites further coincide with the early development of the City as the sites consist of remnants of railroad stations, a stage road linking the City to towns to the south, and remnants of agricultural properties and animal husbandry. The previously recorded historic built environment and historic-era resources predominately surround the Project site to the north, east, and south with the nearest resource approximately 0.4-mile from the Project site. The single prehistoric archaeological resource consists of an isolated metate fragment located to the southwest of the Project within the foothills of the San Jacinto Mountains, roughly 0.5-mile from the Project site. Table 2 provides a summary of the previously recorded resources captured within the 2017 records search.

Table 2. Previously Recorded Cultural Resources Within a 1-Mile Radius of the Project Site

Primary (P-33-)	Trinomial (CA-RIV-)	Resource Age and Type	Resource Description	Recording Events	NRHP Eligibility	Proximity to Project Site
003445	003445	Historic Site	Remnants of railroad station including cement foundation and historic debris	1988 (Apple, R.M., T. Wahoff, and K. Norwood)	**	Within 1-mile
003446	003446	Historic Site	Historic debris related to railroad	1988 (Apple, R.M., T. Wahoff, and K. Norwood)	**	Within 1-mile
004715	004715	Historic Site	Historic stage road linking Beaumont to San Jacinto Valley	1992 (Wahoff, T.) 2005 (Marvin, Judith and Shannon Carmack) 2009 (Chimel, K., S. Wilson, and M. DeGiovine)	6Z: Not eligible for NRHP, CRHR, or Local	Within 1-mile
006169		Built Resource	Single-family residence built 1937 in the Vernacular style	1983 (Bronson, Gwen)	—	Within 1-mile
006170		Built Resource	Bogart house	1983 (Bronson, Gwen)	—	Within 1-mile
006191		Built Resource	Single-family residence	1983 (Bronson, Gwen)	—	Within 1-mile
006200		Built Resource	552 Palm Avenue; Single-family residence built 1932 in Spanish Revival style	1983 (Warner, Jim)	**	Within 1-mile
006201		Built Resource	556 Palm Avenue; Single-family residence built 1926 in Spanish Revival style	1983 (Warner, Jim)	**	Within 1-mile

Table 2. Previously Recorded Cultural Resources Within a 1-Mile Radius of the Project Site

Primary (P-33-)	Trinomial (CA-RIV-)	Resource Age and Type	Resource Description	Recording Events	NRHP Eligibility	Proximity to Project Site
006215		Built Resource	Building built 1928 in Spanish Eclectic/Mediterranean Revival style	1983 (Bronson, Gwen) 1999 (Marvin, Judith)	—	Within 1-mile
006223		Built Resource	Single-family property built 1908 in Vernacular style	1983 (Roberts, Margaret)	—	Within 1-mile
006224		Built Resource	Single-family property built 1908 in Vernacular style	1983 (Bronson, Gwen)	—	Within 1-mile
006225		Built Resource	Single-family residence built 1908 in Bungalow style	1983 (Warner, Jim)	—	Within 1-mile
006228		Built Resource	Ranch built 1908	1983 (Bronson, Gwen)	—	Within 1-mile
012548		Prehistoric Isolate	Metate fragment, granitic	1991 (Becker, K.)	6Z: Not eligible for NRHP, CRHR, or Local	Within 1-mile
015243		Historic Site	Remnants of a collapsed livestock pen	2005 (Marvin, Judith and Shannon Carmack)	6Z: Not eligible for NRHP, CRHR, or Local	Within 1-mile
020559	010460	Built Resource	Road segment	2011 (Trampier, Joshua)	—	Within 1-mile
020562	010463	Built Resource	Transmission lines	2011 (Trampier, Joshua)	—	Within 1-mile
020722	010644	Built Resource	Road segment	2011 (Trampier, Joshua)	—	Within 1-mile
022386	011438	Built Resource	Single-family residence built ca. 1950s	2012 (Davidson, L., R. Goodwin and B. Smith)	—	Within 1-mile
023493		Built Resource	Single-family residence built prior to 1967	2013 (LSA Associates, Inc.)	—	Within 1-mile
023494		Built Resource	Converted single-family residence to commercial; built prior to 1967	2013 (LSA Associates, Inc.)	—	Within 1-mile
023495		Built Resource	Single-family residence built prior to 1967 in Vernacular style	2013 (LSA Associates, Inc.)	—	Within 1-mile

Table 2. Previously Recorded Cultural Resources Within a 1-Mile Radius of the Project Site

Primary (P-33-)	Trinomial (CA-RIV-)	Resource Age and Type	Resource Description	Recording Events	NRHP Eligibility	Proximity to Project Site
023496		Built Resource	Single-family residence built prior to 1967 in Minimal Traditional style	2013 (LSA Associates, Inc.)	—	Within 1-mile
023497		Built Resource	Single-family residence built prior to 1967 in Vernacular style	2013 (LSA Associates, Inc.)	—	Within 1-mile
023498		Built Resource	Single-family residence built prior to 1967 in Vernacular style	2013 (LSA Associates, Inc.)	—	Within 1-mile
026649	012550	Historic Site	Remnants of two concrete foundations and two wells	2016 (Sanka, J.M. and W. Gillean)	6Z: Not eligible for NRHP, CRHR, or Local	Within 1-mile

**Note: No record of formal evaluation was provided within related records; — Note: Data unavailable from 2017 records search

Other Reports Reviewed

Cultural Resource Assessment for the City of Beaumont General Plan Update

Cultural Resource Assessment for the City of Beaumont General Plan Update, City of Beaumont, Riverside County, California (Thomas and Mirro 2018) provides results of a cultural resources study prepared in support of the City's 2040 General Plan. The study area encompasses approximately 26,371-acres (41 square miles) of the City's Planning area comprised of the corporate boundaries, the Sphere of Influence, and the proposed Annexation area. The purpose of the study was to inform on the City's sensitivity for cultural resources. The study included a CHRIS records search, coordination with Native American tribal representatives, and a desktop analysis of archival, ethnographic, and environmental data. Results of the CHRIS search identified 293 previously recorded cultural resources within the Plan area. Of these, 201 are historic built environment resources, 35 are historic-era archaeological resources, 52 are prehistoric archaeological resources, and five are multi-component sites consisting of both prehistoric and historic-era components. A search of the Native American Heritage Commission (NAHC) Sacred Lands Files (SLF) indicated that known Native American cultural resources are within the Plan area. Numerous Native American individuals and organizations responded to informal requests for information regarding the Project, the majority of whom highlighted the sensitivity for prehistoric cultural resources within the Plan area. Based on these factors and a thorough analysis of the geomorphology of the area, Thomas and Mirro (2018) developed a cultural resources sensitivity map of the Plan area. The results indicate that the current Project site is within an area mapped as High Sensitivity. The following discusses the findings that pertain to the area encompassing the current Project site:

> In the San Gorgonio Pass, the town of Beaumont is highly sensitive for cultural resources. There are numerous documented residential and commercial buildings of historical age, and likely many

> more yet to be recorded. Roads, the railroad, pipelines, utility lines, high tension power lines, and other resources of the built environment are all of historic age. Additionally, there is a potential for buried historic-period resources, including privies, refuse dumps, foundations, and abandoned utilities. However, due to the level of construction, the area is low sensitivity for prehistoric sites (Thomas and Mirro 2018).

The study provided management recommendations for areas of high sensitivity within the General Plan Area that include conducting Phase I cultural resource assessments prior to any development or improvements, evaluations of cultural resources directly impacted by proposed projects, and general guidelines to follow in the event that unanticipated cultural resources are encountered during future projects (Thomas and Mirro 2018).

Review of Historical Topographic Maps and Aerial Photographs

Dudek consulted historical topographic maps and aerial photographs to understand development of the Project site and surrounding properties. Topographic maps are available for the years 1952, 1954, 1961, 1962, 1964, 1979, 1973, 1979, 1985, 1988, 1999, 2012, 2015, and 2018 (NETR 2021a). Historic aerials are available for the years 1966, 1967, 1972, 1978, 1996, 2002, 2005, 2009, 2010, 2012, 2014, and 2016 (NETR 2021b).

The earliest available topographic map is from 1952 and depicts an established City of Beaumont. The Project site is just southwest of the City center in a less developed area. The Project site is flanked by 4th Street to the north and Elm Street to the east. A few structures, likely residential, border the southeast corner of the Project site. The only notable feature within the Project site is a single-tract road that runs diagonally through the Project site bisecting it northwest southeast. The area directly west of the Project site is void of any characteristics.

The 1954 topographic map introduces a few changes to the Project site. Namely, Veile Road spans the western border of the Project site, and upon reaching the southern extent of the Project site, veers west towards the foothills of the San Jacinto Mountains. The single-tract road that bisected the Project site is no longer depicted, as well as, a structure that was just outside the southeastern corner of the Project site. More residential structures are lining Elm Street to the east.

There are no discernable changes to the topographic maps until 1979. The 1979 topographic map shows the first depiction of the substation directly north of the Project site. Additionally, a two-tract road branches off the mid-western perimeter of the Project site and terminates at a structure just west of the site in the vicinity of the present-day Diamond Hills Recycling Center and M&M Wrecking Yard. East of Elm Street is continuing to infill with residential properties.

The 2012 map depicts improvements to Veile Road that include an extension of the alignment multiple blocks south. Additionally, the segment of Veile Road that ran west as shown on the 1954 topographic map is no longer present. No further changes are noted within the Project site and surrounding area on the 2015 and 2018 topographic maps.

The Project site first appears on the 1966 historic aerial photograph in a largely agricultural setting on the outskirts of the City center. The grid is partially developed in the area of the Project site, though roads appear to be unpaved. To the east of the Project site are residential properties. To the west is a scrap yard in the same location as the present-day Diamond Hills Recycling and M&M Wrecking Yard. The Project site is vacant but has been subject to

previous earth moving activities as evidenced by apparent plow scars. Though faded, numerous informal dirt roads diagonally traverse the Project site from southwest to northeast. Discussed above was the two-tract road depicted on the 1954 topographic map that extends west from the terminus of Veile Road. This road terminates at a seemingly large-scale earth moving operation approximately 0.5-mile west of the Project site. Additionally, a faint indication of this same east west trending dirt road is seen just south of the Project site, though its true alignment is obscured by vegetation from the drainage directly adjacent to the road. A row of ornamental trees lines the southeastern border of the Project site indicating that this location was possibly once occupied by a previously extant structure.

There are no changes to the Project site on the 1972 historic aerial photograph. However, directly north of the Project site has been graded possibly in preparation for the construction of the SCE Maraschino substation. This is confirmed on the 1978 historic aerial photograph as the substation is clearly visible. Within the Project site, the northern parcel (APN 417-110-012) has been leveled and graded to a flat pad. Two mature trees are visible in the northeast corner. The western portion of the Project site adjacent to the recycling facility and wrecking yard has been utilized as an informal parking lot.

The 2005 historic aerial photograph shows increased ground disturbance throughout the Project site. The northern parcel (APN 417-110-012) appears as a gravel lot. The informal parking seen within the southern parcels (APN 417-130-012 and 417-130-005) has greatly expanded. A dirt road running east west delineates the two parcels from each other. A foot trail or single-tract road traverses the southernmost parcel (APN 417-130-005). Unidentifiable structures, possibly vehicles, are noticeable throughout the two southern parcels. Directly south of the Project site, construction is occurring within the drainage.

The 2009 historic aerial photograph shows an increasing level of ground disturbance caused by the informal parking lot and dirt roads, which continue to expand throughout the two southern parcels. The northern parcel is fenced and consists of a gravel lot within its western half and disturbed unimproved land within its eastern half

The 2010 historic aerial photograph shows the gravel lot within the northern parcel (APN 417-110-012) utilized as a staging area for storage containers. By 2016, the gravel lot expanded eastward into the previously unimproved land. The center parcel (APN 417-130-012) appears recently plowed and less overgrown than its southern parcel counterpart. However, the informal parking lot within the southern parcel (APN 417-130-005) has expanded to include a large quantity of tightly packed cars. No additional alterations to the Project site were noted from the 2016 historic aerial photograph.

Geological Setting and Map Review

The Project site is currently undeveloped and underlain by unnamed Quaternary (Pleistocene; ~11,700-2.58 million years old) older alluvial deposits which overlie the (early Pliocene to middle Pleistocene; ~1.5 to 4. million years old) San Timoteo Formation in this region (Dibblee and Minch 2003). According to the records search results received from the LACM on March 5, 2021, the older alluvium and San Timoteo Formation have high potential to yield paleontological resources (i.e., high resource importance) (LACM 2021; Appendix C: Paleontological Records Search Results Letter, *confidential*). Quaternary younger alluvial deposits mapped to the south and west of the Project site are too young to contain significant paleontological resources and thus have low potential to yield such resources (LACM 2021).

The San Timoteo Formation, although not anticipated to be encountered, has been known to yield significant paleontological resources in the region. The early Pliocene to middle Pleistocene San Timoteo Formation contains fossils that date back to the Blancan and Irvingtonian North American Land Mammal Ages. Ranging from 1.5 to 4 million years in age, these deposits can be as much as 2,000 meters thick in the San Timoteo Badlands (Albright 2000). Fossil mammals recovered from the San Timoteo Formation include mastodon, horse, camel, antelope, dog, bear, rodent, and rabbit (Eric Scott, pers. comm. 2003). The upper portion of this formation is reddish in color, and fines upward, into paleosols, which have produced many of the fossils previously reported (Albright 2000). Also, layers of "massive, very fine grained, light gray calcareous "marls'... representing shallow marshes of limited extent" occur within the formation (Albright 2000).

Quaternary alluvium and colluvium form the surficial deposits on the property. Because this deposit was laid down by fluvial systems (streams) during the Pleistocene, it can possibly contain fossils of "Ice Age" megafauna (large animals). The likelihood of finding articulated skeletons (elements still in life position) in this deposit is relatively remote, but the likelihood of finding some fossils is high.

LACM Paleontological Records Search

No fossils are recorded within the Project site itself. Fossils are documented outside of the one-mile radius buffer from similar sedimentary deposits as those underlying the Project site. According to the records search results received from the LACM, older alluvial deposits within several miles of the Project site have yielded vertebrate fossil specimens (LACM 2020). Their localities in the San Timoteo Badlands, LACM VP 7618 to 7622 and LACM VP CIT 132-133, yielded Pleistocene megafaunal remains, including horse (Equidae) and camel (Camelidae) specimens. A second locality, LACM IP 437, located north of the Soboba Indian Reservation, yielded invertebrates, including insect (*Sobobapteron kirkbaye*) and brachiopod (*Terebratalia hemphili*) specimens. Another locality, LACM VP 1269, located at the west end of the Indio hills, produced a fossil horse (*Equus*) specimen. Locality LACM VP 7261 was discovered near Skinner Reservoir and yielded a proboscidean (which includes mammoths within the family Elephantidae) specimen and an ungulate (Ungulata) specimen. Locality LACM VP 6069, located near Lake Elsinore, produced camel (Camelidae) remains.

Geotechnical Report Review

The geotechnical report, *Geotechnical Investigation Report, Beaumont Energy Storage, Riverside County, CA* (Westwood Professional Services 2021) was prepared for Beaumont ESS, LLC in April 2021 to determine the geotechnical conditions for the current Project site. The report details the results of five subsurface exploratory hollow-stem auger borings conducted on December 14, 2020. The locations of the subsurface exploratory investigations as described and mapped in the geotechnical report (Westwood Professional Services 2021, Exhibit 1: Geotechnical Investigation Overview Map) include two within the northern parcel (APN 417-110-012) (B-04 and B-05), two within the center parcel (APN 417-130-012) (B-02 and B-03), and one within the southern parcel (APN 417-130-005) (B-01). No subsurface exploratory testing was conducted within the southeastern, least impacted, portion of the Project site. These investigations reached targeted depths of 25 feet below the existing ground surface (bgs) for borings B-01 through B-04 and a target depth of 40 feet bgs for boring B-05. According to the report, the general stratigraphic units found across the site are consistent with the United States Department of Agriculture (USDA) Web Soil Survey data which classifies the Project site soil type as Ramona sandy loam. Ramona sandy loam is an alluvium silty sand to clayey sand (USDA 2021). Artificial fill was encountered at two of the testing

locations (B-01, B-03) from 1 inch to 3 inches bgs. Approximately 4 inches of gravel fill material was encountered at the start of B-05 located within the gravel lot. Underlaying the Ramona sandy loam is Older Quaternary alluvium (Qoa) characterized as reddish brown, stiff to very stiff sandy clay and medium dense to dense sand (Westwood Professional Services 2021). It is unclear from the report if the subsurface exploratory investigation encountered Qoa within the borings.

Intensive Pedestrian Survey

Methods

A Dudek staff archaeologist cross-trained in paleontology conducted an intensive level pedestrian survey of the Project site on March 29, 2021, using standard archaeological and paleontological procedures and techniques. The Project site is comprised of a fenced gravel lot and unimproved vacant land. Based on these existing Project site conditions, survey techniques were adjusted in accordance with the various levels of development. An opportunistic survey approach was employed within the gravel lot, which involved inspecting areas of exposed ground surface when possible. An intensive-level survey was conducted within the limits of the unimproved vacant land, which entailed walking parallel transects, spaced no more than 10 meters apart (approximately 32 feet).

Throughout the extent of the Project site, the ground surface was inspected for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, groundstone tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of structures and/or buildings (e.g., standing exterior walls, post holes, foundations), historical artifacts (e.g., metal, glass, ceramics, building materials), and fossils. Ground disturbances such as burrows, cut banks, dirt roads, and drainages were also visually inspected for exposed subsurface materials. Location-specific photographs were taken using an Apple 3rd Generation iPad equipped with 8-megapixel resolution and georeferenced PDF maps of the Project site. All field notes, photographs, and records related to the current study are on file at Dudek's Pasadena, California, office.

Results

The approximately 7-acre Project site is a combination of developed and unimproved vacant land within the valley just north of the northern facing extent of the foothills of the San Jacinto Mountains. The on-site topography consists of a slight hill that slopes gently to the south and east and drains towards a larger eastern trending drainage to the south and a smaller southern running ephemeral drainage to the east. The site is bordered by development to the north, east, and west. The southern extent is open to unimproved vacant land that generally continues south to the foothills of the San Jacinto Mountains. Observed soils are characterized as sandy loam alluvium and are consistent throughout the three parcels that comprise the Project site (APNs 417-110-012, 417-130-012, and 417-130-005). However, the parcels vary in their level of development, impacts by previous disturbance, and ground surface visibility. Therefore, the following paragraphs discuss the pedestrian survey results as the they pertain to each parcel.

Northern Parcel (APN 417-110-012)

The northern parcel (APN 417-110-012) is bound by the SCE Maraschino substation to the north, Veile Avenue to the west and Elm Street to the east. The majority of the parcel is surrounded by chain link fence. Within the fence

is a graded gravel lot used to stage storage containers (See Image 1). As such, ground surface visibility within this portion of the Project site is considered poor (0-10 percent). An opportunistic survey approach was employed in this developed portion of the Project site that included inspecting areas of exposed ground surface resulting from bioturbation and areas devoid of ground cover under tree canopies. Conversely, the western portion of the parcel remained undeveloped, which provided optimal conditions for intensive level survey techniques. Vegetation in this portion of the Project site consisted of low-lying ruderal growth and waist-high grasses. Due to the vegetation cover, ground surface visibility varied and was considered good to excellent (75-100 percent) in areas that had been previously plowed and poor (0-10 percent) where there was no weed management. When necessary, boot scrapes were employed to expose native ground surface through the dense vegetation. The northern parcel appears entirely disturbed by previous construction of the gravel lot. The unimproved eastern portion of the parcel has been routinely disked and/or plowed and possibly altered during the construction of Elm Street. No cultural or paleontological resources were identified within the northern parcel (APN 417-110-012) of the Project site.

Center Parcel (APN 417-130-012)

The center parcel (APN 417-130-012) consists of an open field that gradually decreases in elevation to the east. The entirety of the center parcel has been subject to shallow ground disturbance through prior disking and/or plowing. The western and southern portions of the parcel have been graded for informal parking and dirt roads likely utilized by the neighboring Diamond Hills Recycling and M&M Wrecking Yard (See Image 2). This portion of the parcel has subsequently been subject to opportunistic dumping of modern household refuse. A slurry washout is also present within the western portion of the parcel. Vegetation consists of moderately dense ankle-high grasses and ruderal growth. However, raised and undulating plow scars provided good (75 percent) ground surface visibility despite the moderate vegetation cover. Ground surface visibility within the dirt roads and informal parking area was considered excellent (100 percent). Given these factors, 100 percent of the center parcel of the Project site was intensively surveyed for cultural resources. None were identified.

Southern Parcel (APN 417-130-005)

While the majority of the southern parcel (APN 417-130-005) consists of an open field similar to that of the adjacent center parcel, the southern parcel is unique in that it is bordered to the east by a natural drainage and riparian area and to the south by a moderately decreasing slope covered in native vegetation that extends beyond the Project site to an eastern flowing drainage below (See Image 3). The western portion of the parcel has been graded for use as the informal parking lot. Numerous trash and earthen piles occupy the southwestern portion of the parcel including discarded building materials such as concrete and asphalt, gravel piles, earthen push piles, modern trash, and discarded furniture. This area in particular has been mechanically disturbed by earth moving machinery as evidenced by numerous backhoe scars and gouges throughout. Current infrastructure includes a steel transmission line along the western border and signage for buried utilities. Vegetation within the open field in the center of the parcel consists of moderately dense ankle-high grasses and ruderal growth. As with the center parcel, deep plow scars allowed for good (75 percent) ground surface visibility in this area despite the vegetation cover. A well-worn foot path originating at Elm Street and traversing diagonally through the eastern portion of the parcel to the southern drainage provided excellent ground surface visibility. Along the footpath was a cleared area containing a deteriorated aerial marker. Along the eastern portion of the parcel is the north south trending draining. The drainage appears to have recently been overwhelmed by flood waters as portions of Elm Street have either fallen into the drainage or are undermined by erosion. The entire length of the drainage is filled with concrete, discarded automotive parts, and general modern

refuse. The drainage cut provided an excellent opportunity to observe the native stratigraphy to approximately seven feet bgs. Observed soils were alluvial and consistent with the findings of the geotechnical borings discussed in the previous section. Lining the drainage was a mature grove of eucalyptus trees.

The intensive-level pedestrian survey covered 100 percent of the southern parcel (APN 417-130-005). No cultural resources were observed within the southern parcel; however, approximately 25 feet south of the southern border of the Project site is the faded remains of a historic-era dirt road. This road was discussed previously in the above section *Review of Historic Topographic Maps and Aerial Photographs*. The dirt road was seen on the first available aerial photograph of the Project site which dates from 1966. The road appears to be a continuation of the dirt road that branches west from Veile Avenue as shown on the 1954 topographic map. Likely related to the dirt road, stands a historic-era isolated concrete street marker adjacent to the road (See Image 4). The marker measures approximately 4 feet 5 inches tall and has four sides measuring approximately 4 to 5 inches wide. Painted vertically on all four sides in white block stenciled print reads “ELEVENTH ST”. Additionally, two earthen push piles directly north of the road contain sparse amounts of historic-era household refuse. Observed diagnostic material includes a partial Ball jar milk glass lid insert manufactured from 1896 until World War II and sun-colored amethyst bottle glass fragments that date to or prior to World War I (BLM/SHA 2021). The sparse scatter of early 20th century household refuse likely represents single opportunistic dumping episodes while the dirt road was in use. This area comprised of late 19th century to early 20th century features and artifacts should be considered sensitive for archaeological resources. This dirt road, street marker, and refuse scatter are outside the current Project footprint. If there are no changes to the Project design, this area will not be impacted. However, in the event that Project plans change to include this area, this site should be evaluated for CRHR and/or a local register.



Image 1. At northeast corner of the Project site looking west towards the northern parcel (APN 417-110-012) (left) and SCE Maraschino Substation (right). Note dense vegetation within foreground. (IMG_0503)



Image 2. Within the center parcel (APN 417-130-012) looking north towards the northern parcel (storage containers). Note disturbances caused by road and plow scars and modern refuse scattered throughout. (IMG_0548)



Image 3. View of southern parcel (APN 417-130-005) looking east towards riparian area within eastern drainage. Note disturbance caused by disking and/or plowing. (Image_0739)



Image 4. View of historic-era street marker located outside but near to the Project site's southern border. View looking northwest. (Image_0656)

Sensitivity Analysis

Archaeological Sensitivity

The specific goals of the archaeological resources assessment are as follows: to better understand the potential for archaeological resources to exist within the Project site through extensive background research and an intensive pedestrian survey; and to consider the potential for yet unidentified archaeological resources to be impacted by Project ground disturbances. To that end, the archaeological assessment revealed that the potential for unrecorded archaeological resources to exist within the Project site is considered moderate based on the following factors: 1) there have been no prior investigations for the presence of archaeological resources conducted within the Project site; 2) CHRIS records search data indicates that the surrounding area is sensitive for previously recorded historic period archaeological resources; 3) according to the cultural resources report prepared for the City's General Plan Update, the Project site is within an area considered highly sensitive for the presence of historic period resources (Thomas and Mirro 2018); 4) archival map and photography review identified features within the vicinity of the Project site that indicate the potential for early 20th century settlements such as dirt roads, tree alignments, and available watercourses; 5) the geotechnical report prepared for the Project encountered minimal fill material on the site (Westwood Professional Services 2021), which suggests there is potential to encounter intact archaeological deposits that have not been previously disturbed by prior development; and 6) though no archaeological resources were identified within the Project site during the pedestrian survey, late 19th century through early 20th century archaeological features and material were encountered a short distance from the southern border of the Project, which indicates the potential for historic period archaeological resources to be encountered within the Project site during ground disturbing activities. Based on these factors, archaeological sensitivity within the Project site is considered moderate. Considering the overall sensitivity of the area, there is a potential for unknown archaeological resources to be encountered during ground disturbing activities. Therefore, without implementation of the management recommendations provided below, Project effects on unknown archaeological resources could be significant.

Paleontological Sensitivity

No paleontological resources were identified within the Project site as a result of the institutional records search or desktop geological review. However, intact paleontological resources may be present below the weathered ground surface. Given the proximity of past fossil discoveries in the surrounding area and the underlying older Pleistocene to latest Pliocene age deposits, the Project site is highly sensitive for supporting paleontological resources at depth.

Management Recommendations

The following management recommendations have been prepared to ensure proper treatment of any unknown archaeological and paleontological resources that may be encountered as a result of Project construction.

Archaeological Resources

These management recommendations would ensure the proper treatment of any archaeological resources and human remains encountered during ground disturbing activities. With the proper implementation of the prescribed

management recommendations, the potential impact to archaeological resources is considered to be less then significant, which is the same conclusion reached in the EIR prepared for the General Plan Update.

Cultural Resource Inadvertent Discovery Plan. Impacts to cultural resources should be minimized through implementation of pre- and post- construction tasks. Tasks pertaining to cultural resources include the development of a cultural resource inadvertent discovery plan (Plan). The purpose of the Plan is to outline a program of treatment and mitigation in the case of an inadvertent discovery of cultural resources during ground-disturbing phases (including but not limited to preconstruction site mobilization, grubbing, construction ground disturbance, construction grading, trenching, and landscaping) and to provide for the proper identification, evaluation, treatment, and protection of any cultural resources during the construction of the Project. This Plan should define the process to be followed for the identification and management of cultural resources in the Project area during construction. Existence of and importance of adherence to this Plan should be stated on all construction plans.

Workers Environmental Awareness Program (WEAP) Training. All construction personnel and monitors who are not trained archaeologists should be briefed regarding unanticipated discoveries prior to the start of construction activities. A basic presentation should be prepared and presented by a qualified archaeologist to inform all personnel working on the Project about the archaeological sensitivity of the area. The purpose of the WEAP training is to provide specific details on the kinds of archaeological materials that may be identified during construction of the Project and explain the importance of and legal basis for the protection of significant archaeological resources. Each worker should also learn the proper procedures to follow in the event that cultural resources or human remains are uncovered during ground-disturbing activities. These procedures include work curtailment or redirection, and the immediate contact of the on-call archaeologist and if appropriate, Tribal representative. Necessity of training attendance should be stated on all construction plans.

On-Call Archaeological Construction Monitoring. In consideration of the general sensitivity of the proposed Project site for cultural resources, a qualified archaeologist should be retained to conduct spot monitoring as well as on call response in the case of an inadvertent discovery of archaeological resources. A qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, should oversee and adjust monitoring efforts as needed (increase, decrease, or discontinue monitoring frequency) based on the observed potential for construction activities to encounter cultural deposits. The archaeologist should be responsible for maintaining monitoring logs. Following the completion of construction, the qualified archaeologist should provide an archaeological monitoring report to the lead agency and the EIC with the results of the cultural monitoring program.

Inadvertent Discovery of Archaeological Resources. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the Project, all construction work occurring within 100 feet of the find should immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under the California Environmental Quality Act (14 CCR 15064.5(f); California PRC Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work, such as preparation of an archaeological treatment plan, testing, or data recovery, may be warranted. If the discovery is Native American in nature, consultation with and/or monitoring by a Tribal representative may be necessary.

Inadvertent Discovery of Human Remains. In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the County Coroner shall be notified within 24 hours of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined, within two working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the remains are determined to be Native American, the Coroner shall notify the NAHC in Sacramento within 24 hours. In accordance with California Public Resources Code, Section 5097.98, the NAHC must immediately notify those persons it believes to be the MLD from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The MLD would then determine, in consultation with the property owner, the disposition of the human remains.

Paleontological Resources Recommendations

In accordance with the paleontological records search results and recommendations and background geological and paleontological literature and map review, the following management recommendation is intended to reduce potential impacts to significant paleontological resources. Incorporation of this management recommendation would reduce impacts to below a level of significance per the CEQA guidelines.

Prior to commencement of any grading activity on-site, the applicant shall retain a qualified paleontologist meeting the Society of Vertebrate Paleontology ([SVP] 2010) guidelines and subject to the review and approval of the City. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the Project. The PRIMP shall be consistent with the guidelines of the SVP (2010). The qualified paleontologist or a qualified monitor meeting the SVP (2010) guidelines shall be on-site during all rough grading and other significant ground-disturbing activities below a depth of five feet below the existing ground surface in previously undisturbed older Quaternary alluvial deposits. If excavations below five feet are not impacting these deposits, as determined by the qualified paleontologist, spot-check monitoring shall ensue. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer to document and collect the fossils. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Although no vertebrate fossils are documented within the Project site, the geological units present at depth are conducive to preserve such remains. If encountered during construction, Pleistocene age alluvium would require paleontological monitoring. No monitoring is required during excavation within artificial fill or younger alluvium. A paleontological resources mitigation program is recommended for excavation within paleontologically sensitivity geological units, such as, Pleistocene age alluvium, and should be implemented.

Please do not hesitate to contact us if you have any questions about this report.

Sincerely,

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Att.: Attachment A: Figures
Attachment B: (Confidential) CHRIS Record Search Results - Beaumont General Plan Update
Attachment C: (Confidential) LACM Paleontological Records Search Results

cc: Linda Kry, Keith Carwana, Dudek

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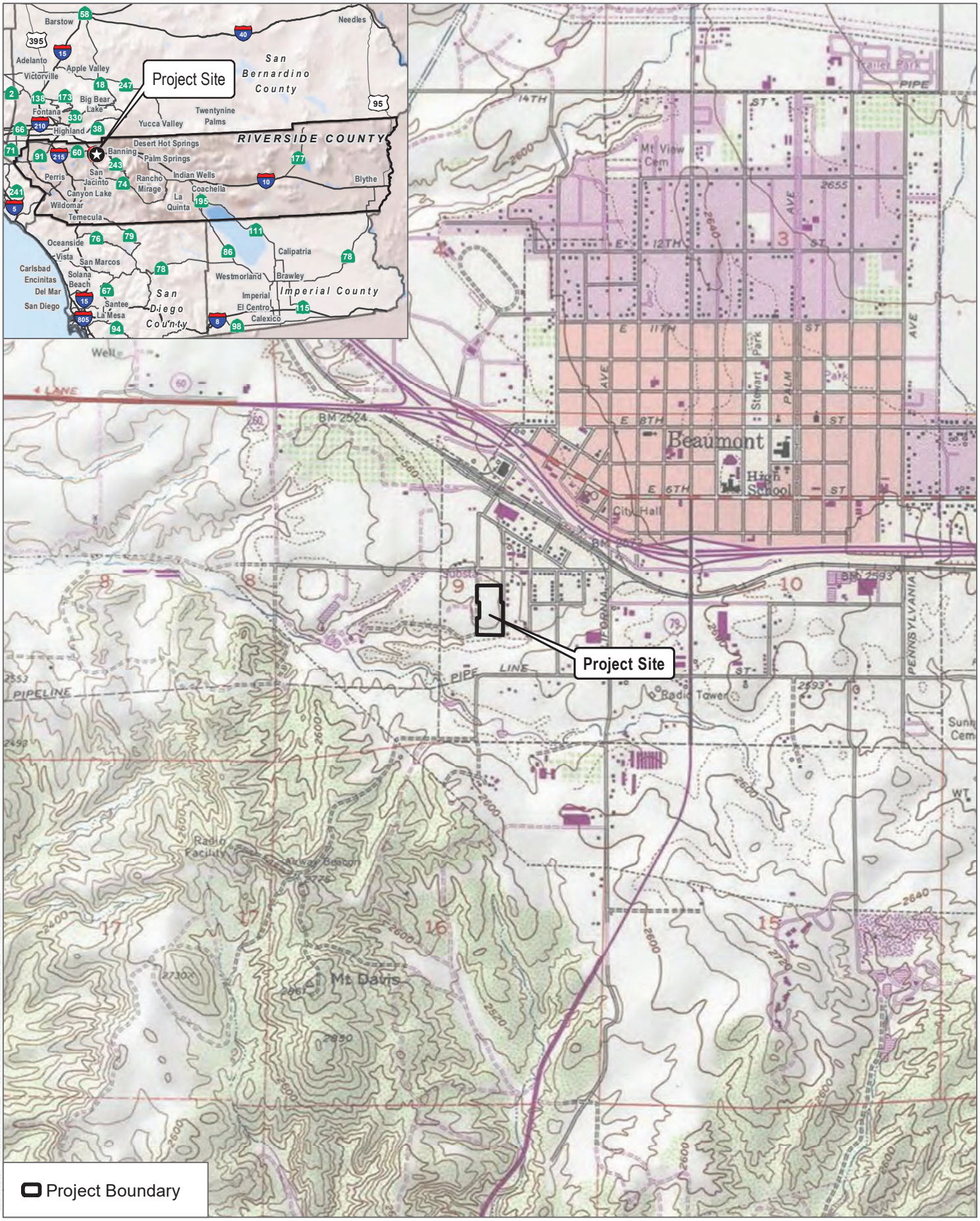
Attachment A

Figures



SOURCE: USGS 7.5-Minute Series Beaumont Quadrangle
Township 03S; Range 01W; Section 9

0 1,000 2,000 Feet
0 300 600 Meters

DUDEK

FIGURE 1

Project Location

Beaumont Energy Storage Project



SOURCE: ESRI 2021

DUDEK

0 100 200 Feet

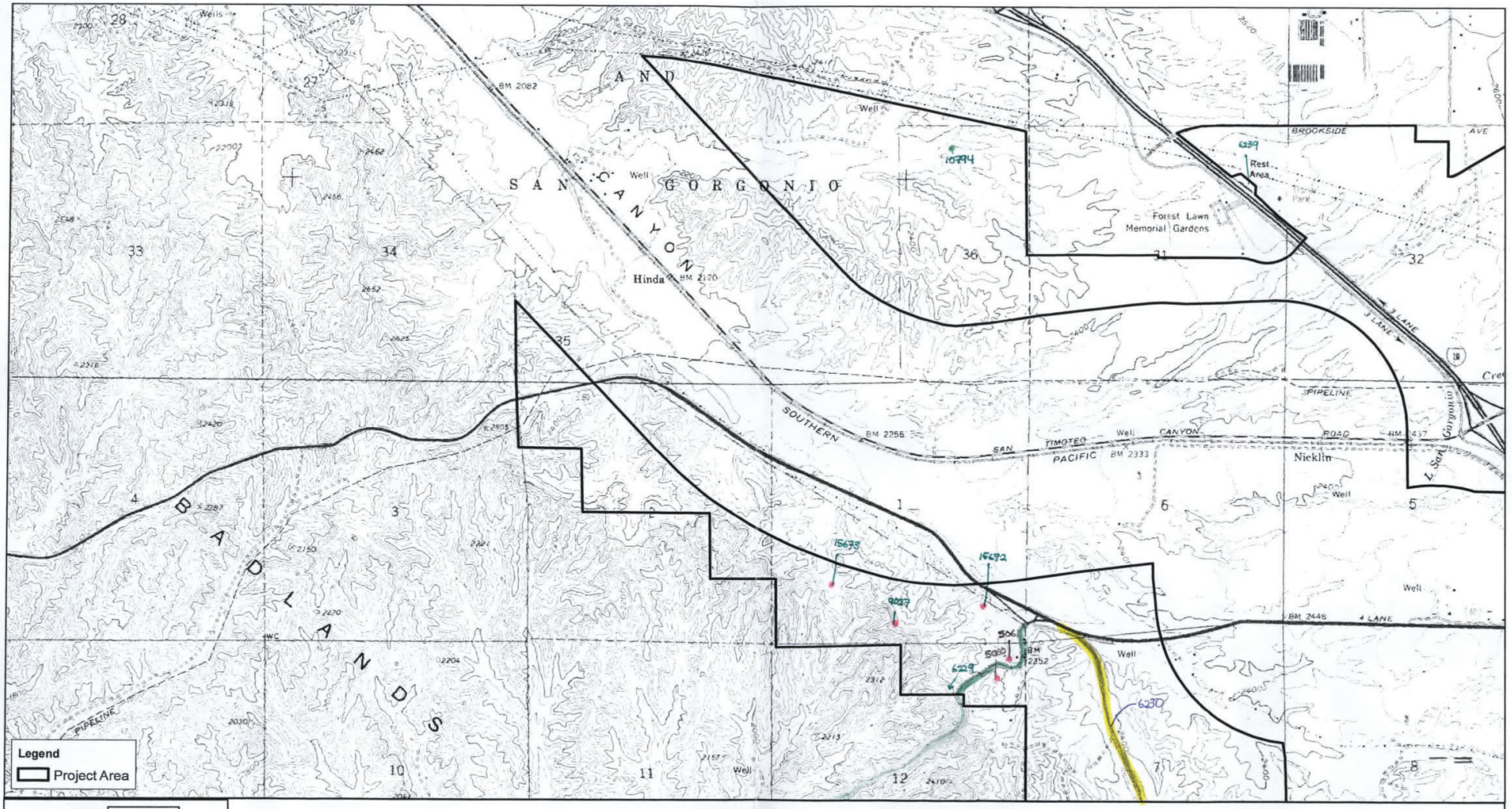
FIGURE 2

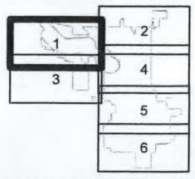
Project Site

Beaumont Energy Storage Project

Attachment B (Confidential)

CHRIS Records Search Results –
Beaumont General Plan Update





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R1-1665 R1-3616 R1-7959
R1-1831 R1-4815 R1-7970

SCALE 1:24,000

1 0.5 0 1 Miles

1,000 0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 Feet

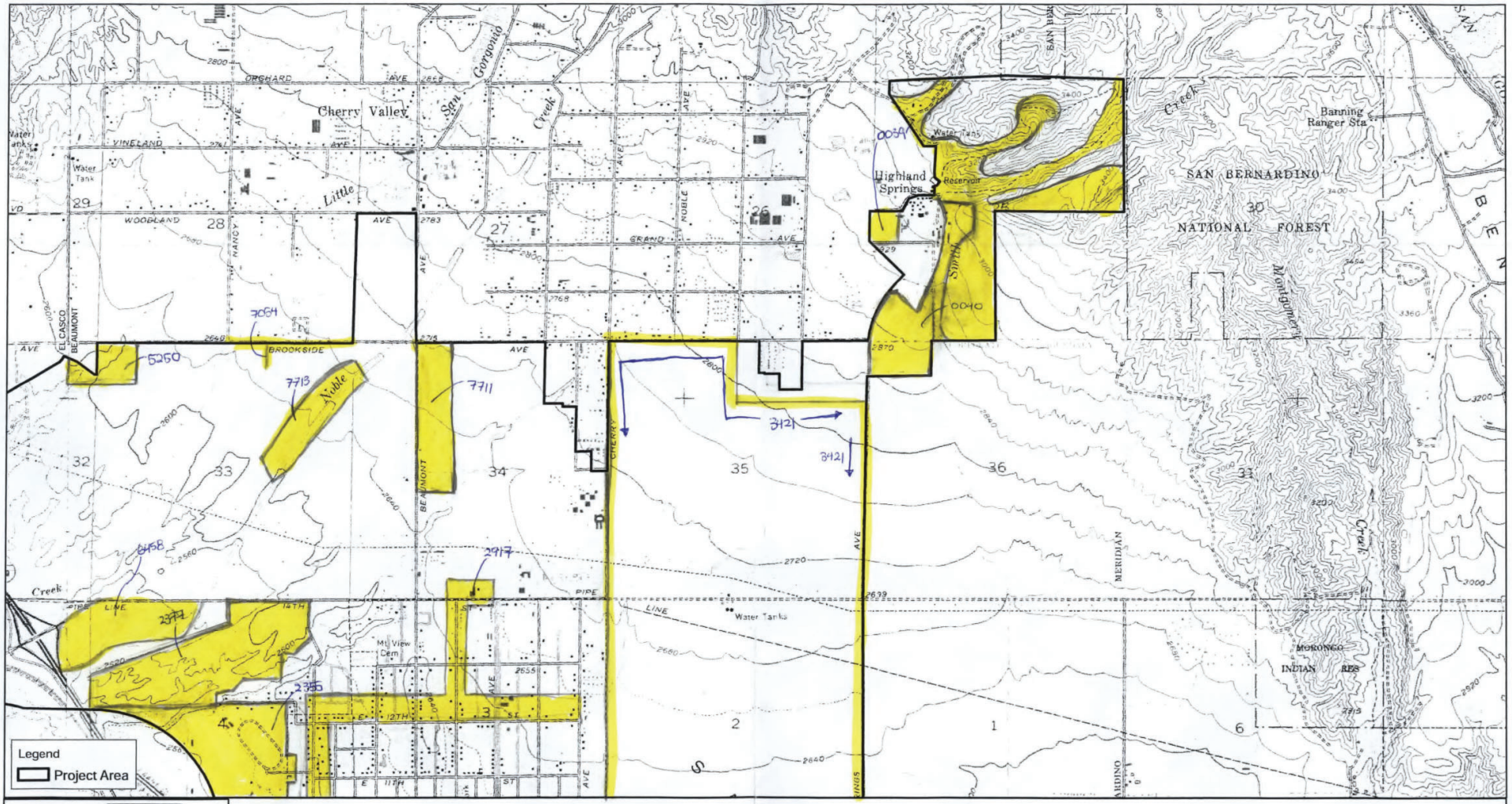
1 0.5 0 1 Kilometers

overviews

R1-0761
R1-4815
R1-5088

El Casco, CA 7.5' USGS Quadrangle

Records search map for the *City of Beaumont General Plan Update Project - AE3653.*



Overviews
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RI-4815

Beaumont and El Casco, CA 7.5' USGS Quadrangle

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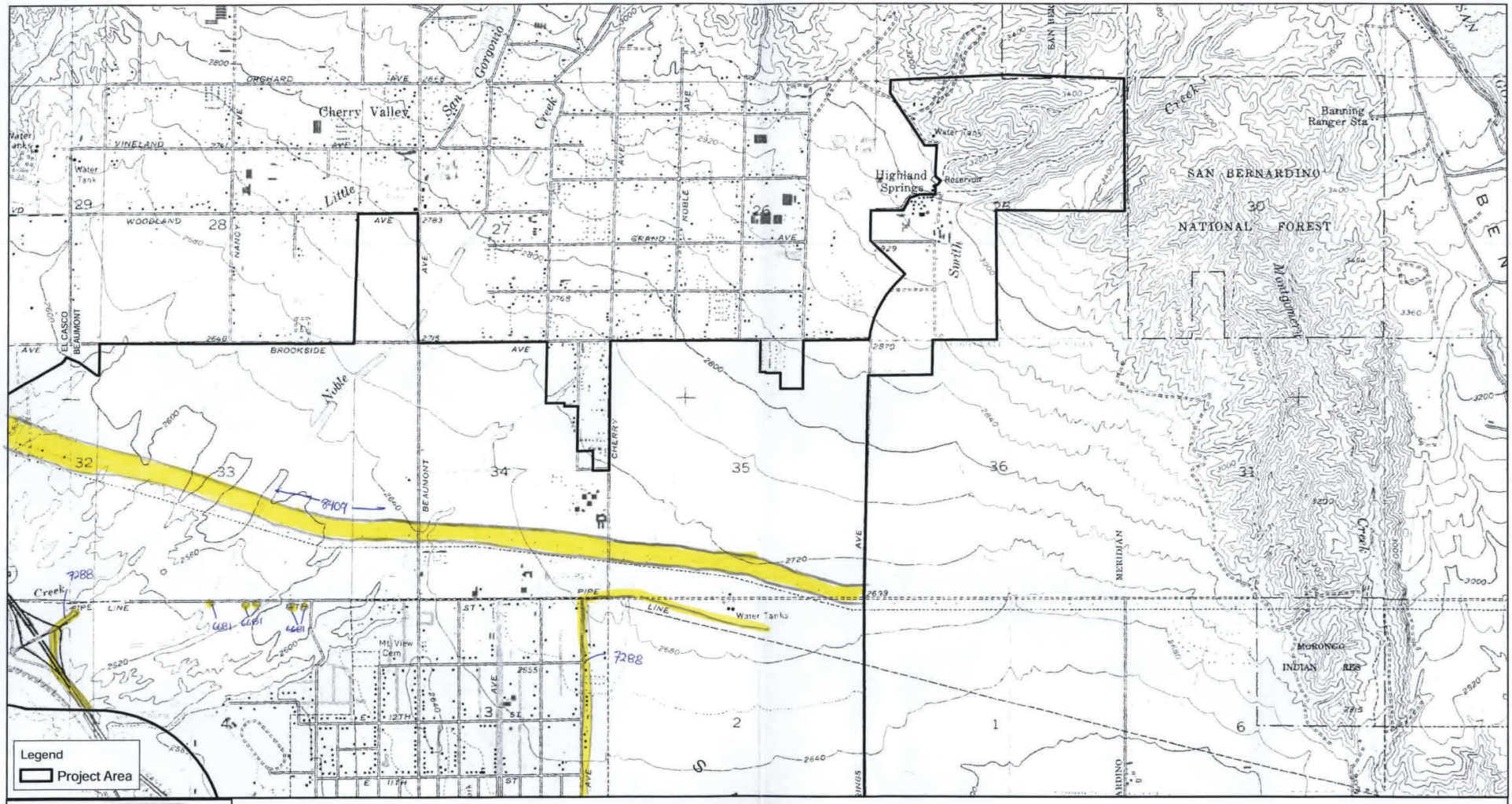

Beaumont and El Casco, CA 7.5' USGS Quadrangle

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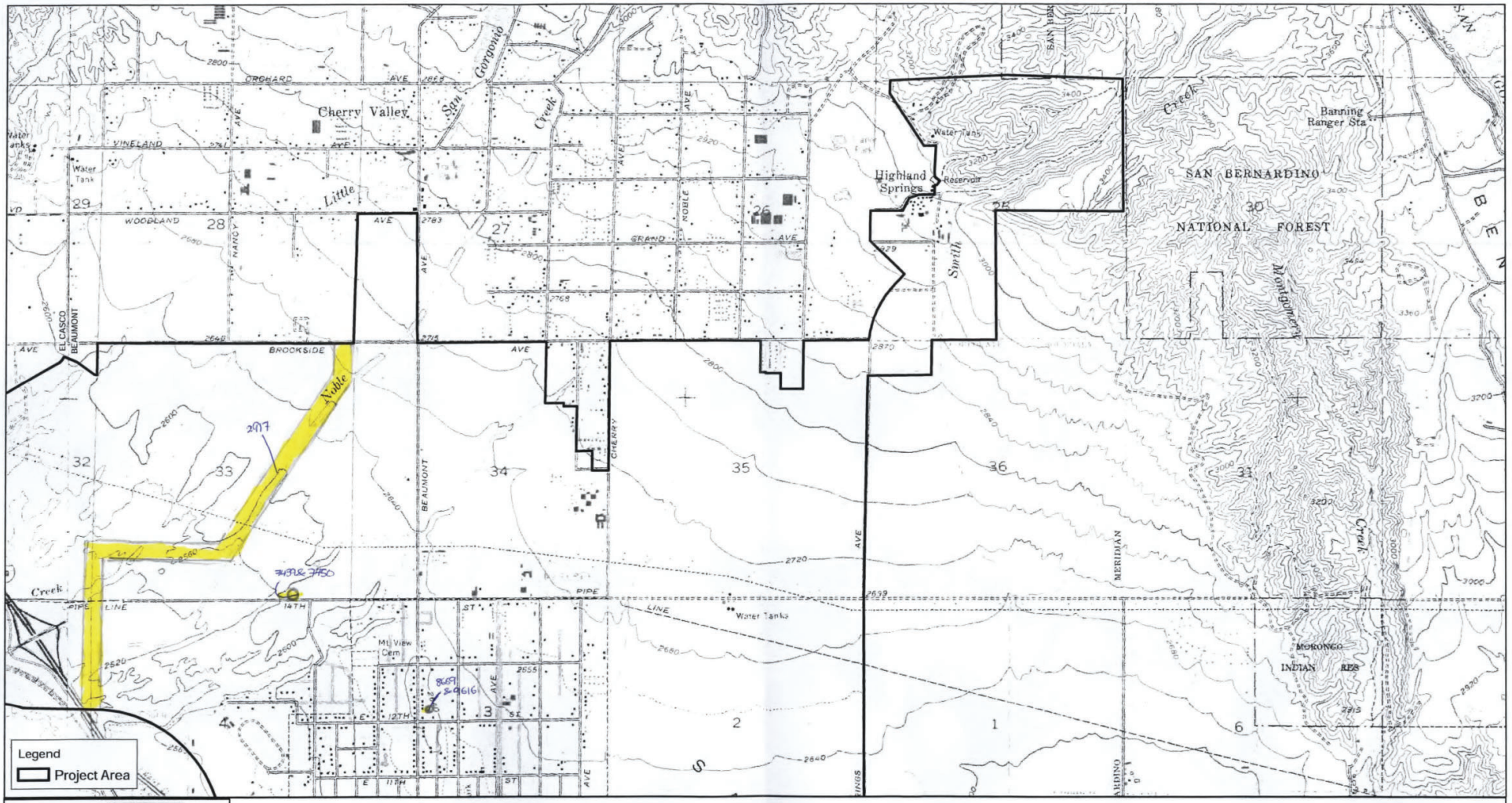

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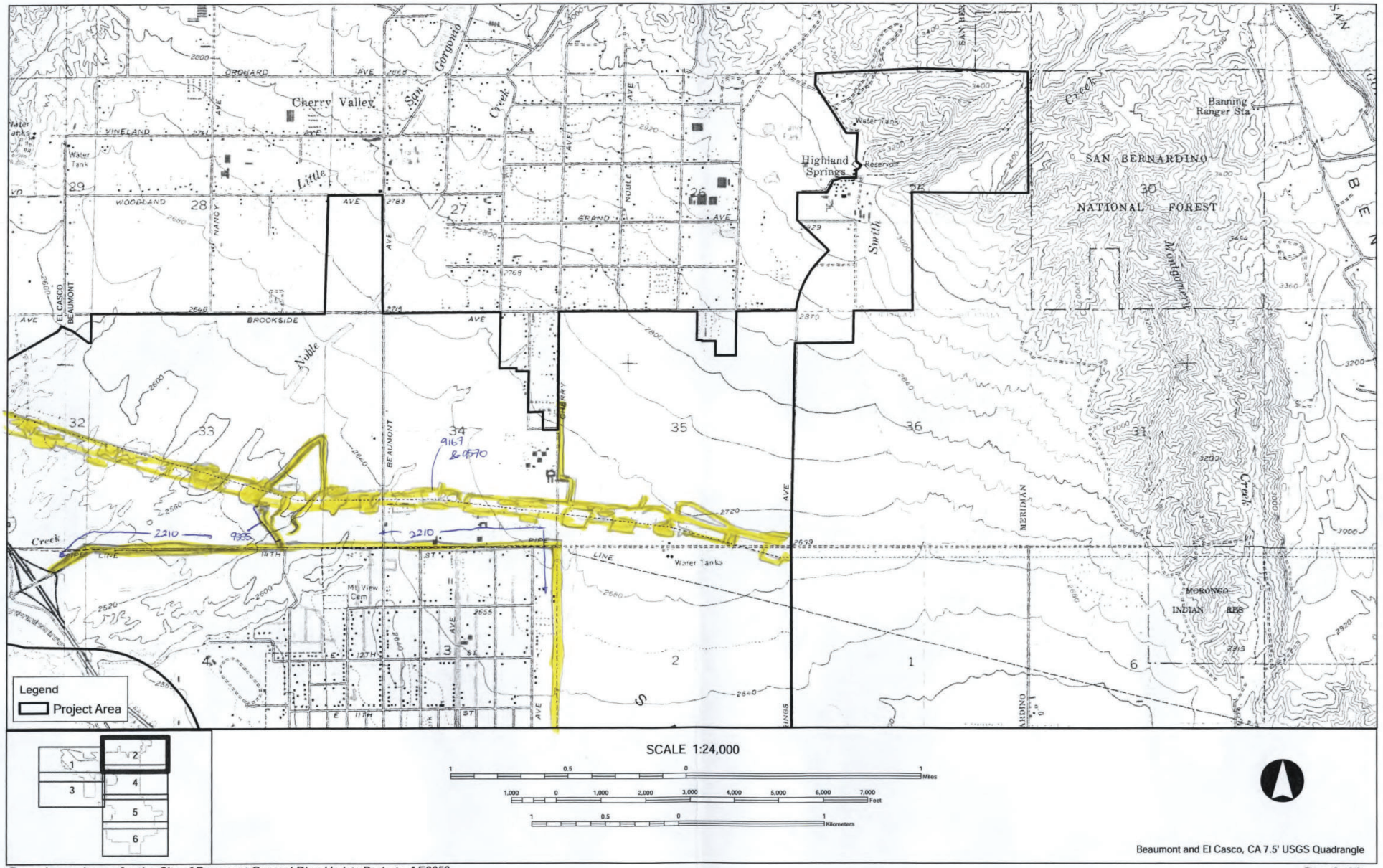

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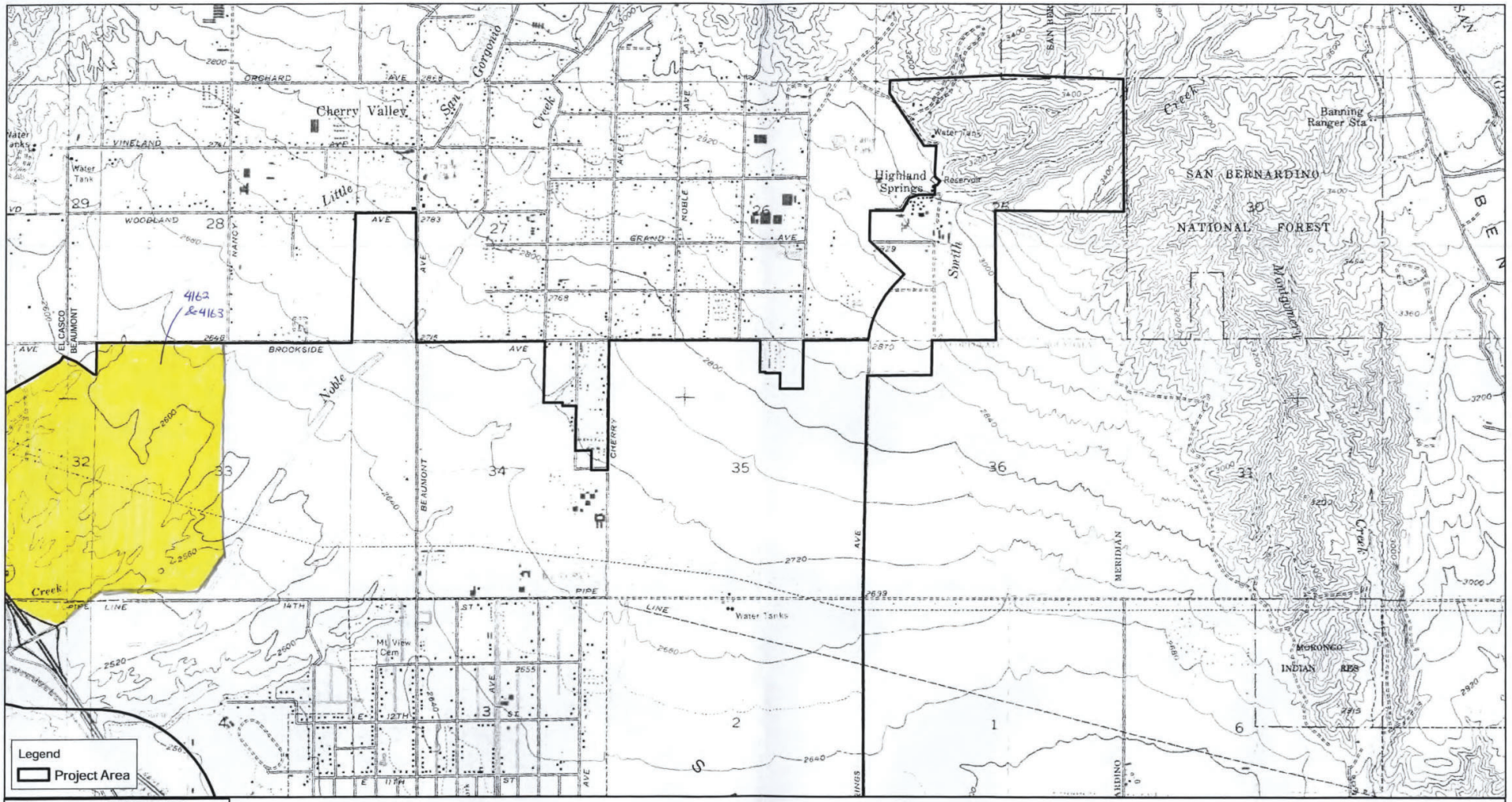

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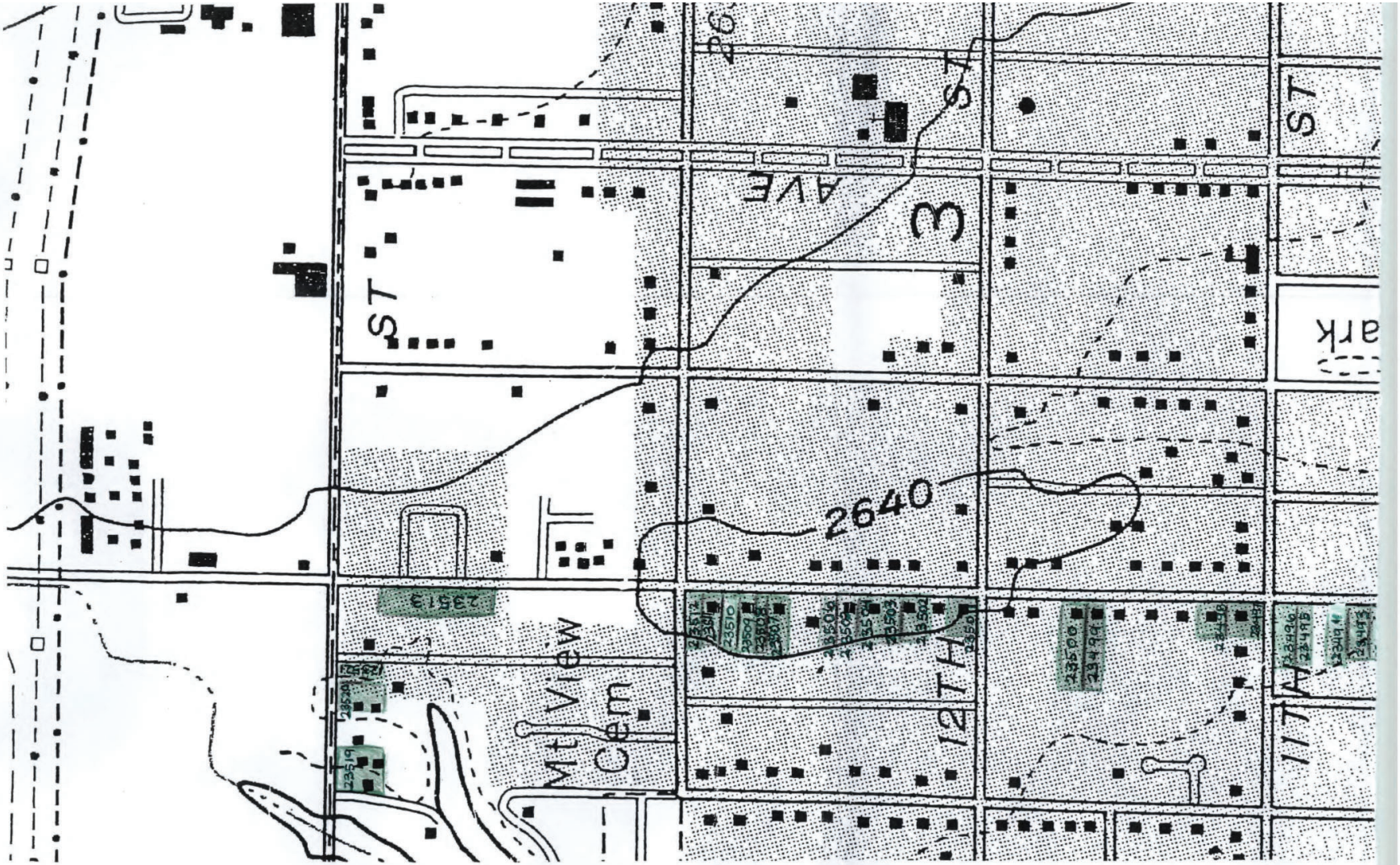
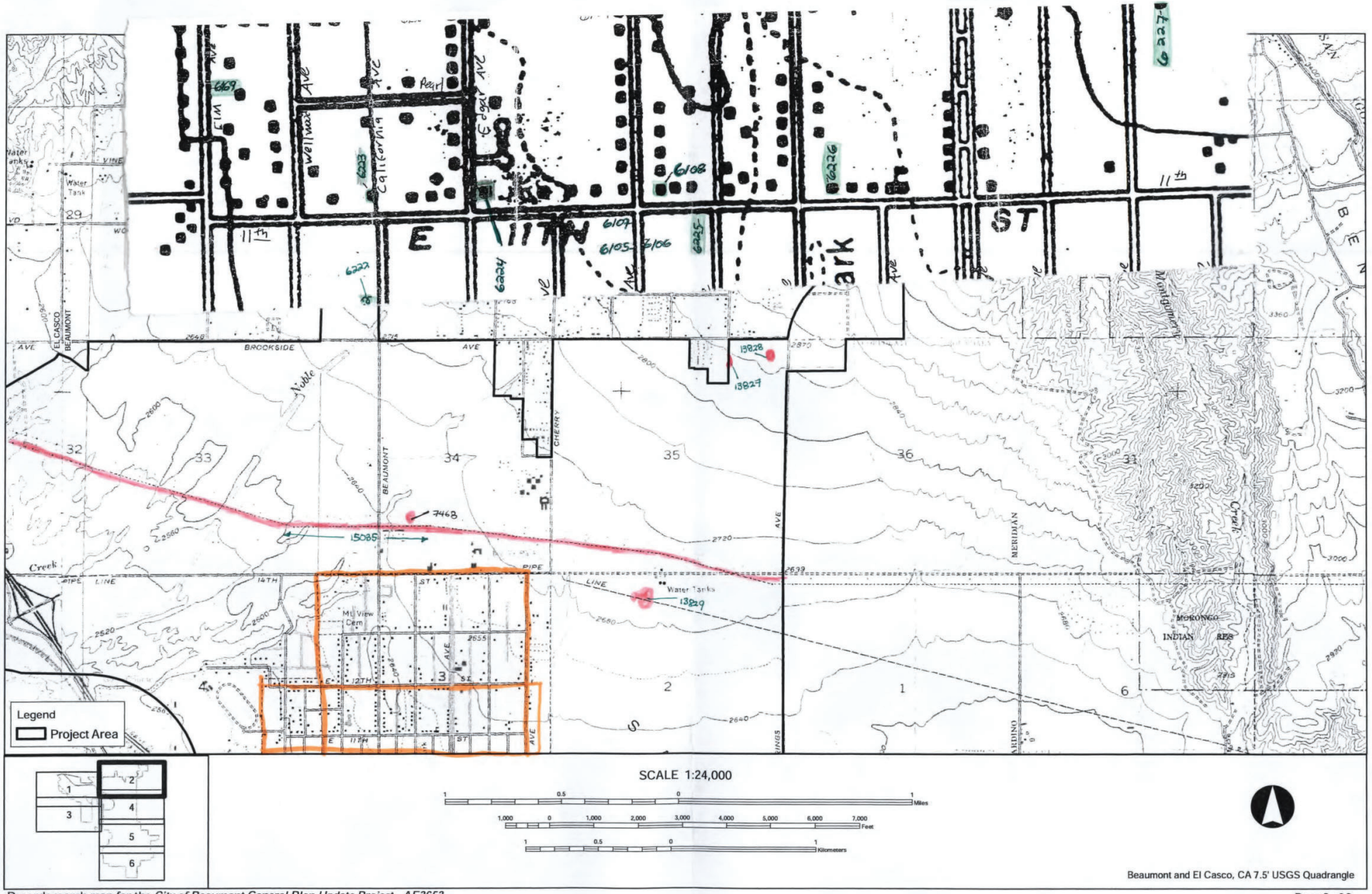


BEAUMONT 7.5'
Sept. 3



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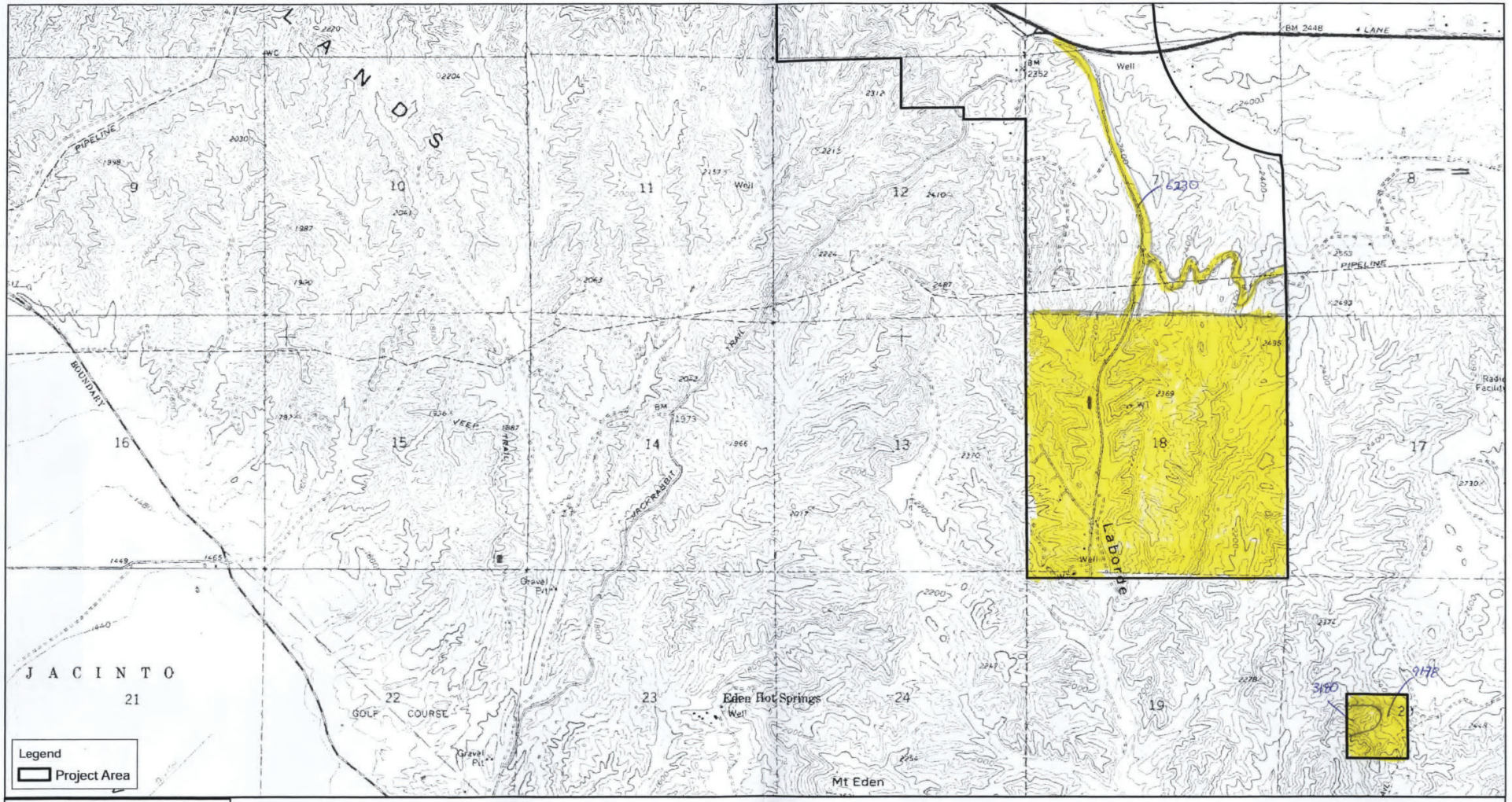

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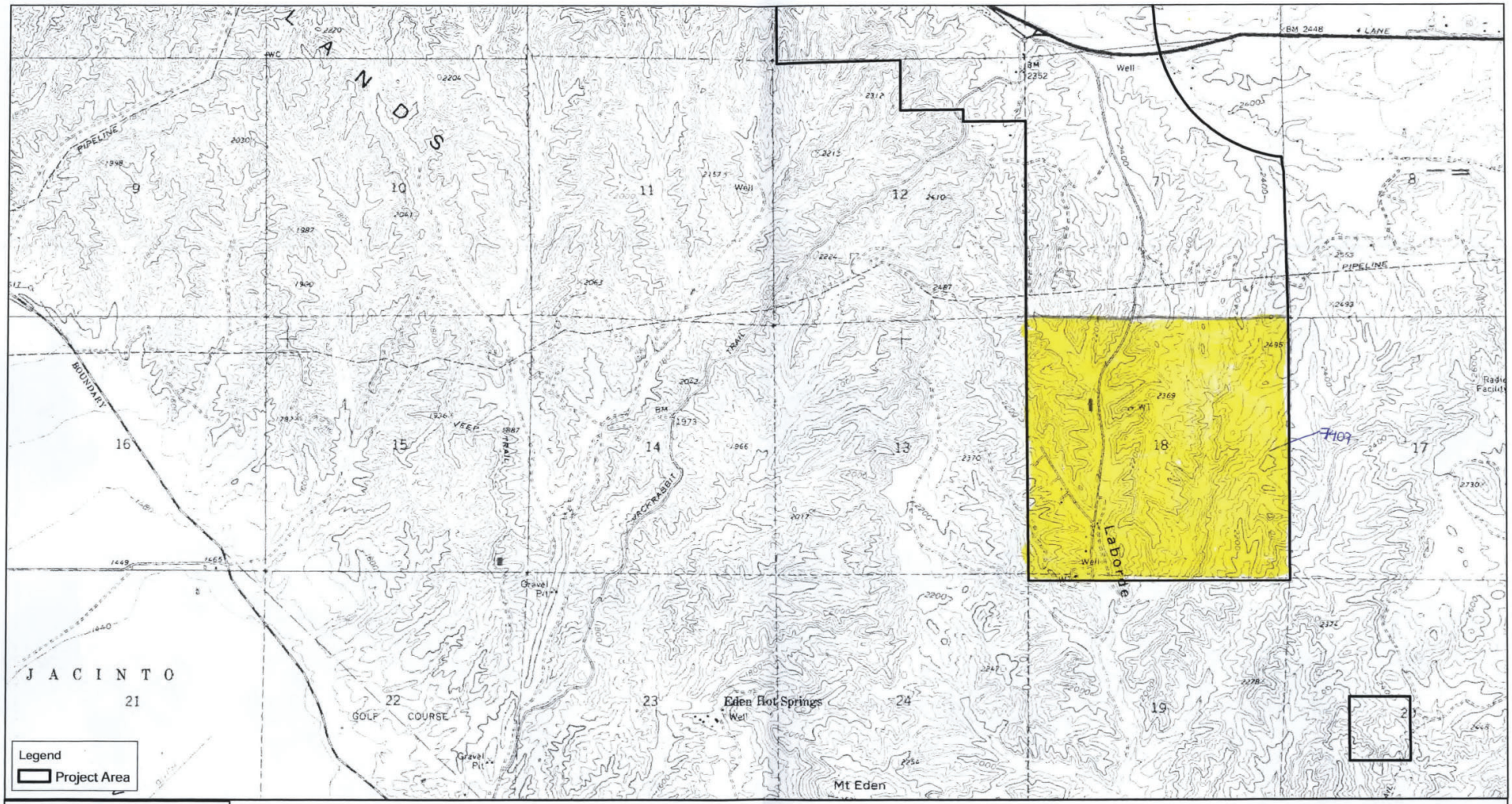

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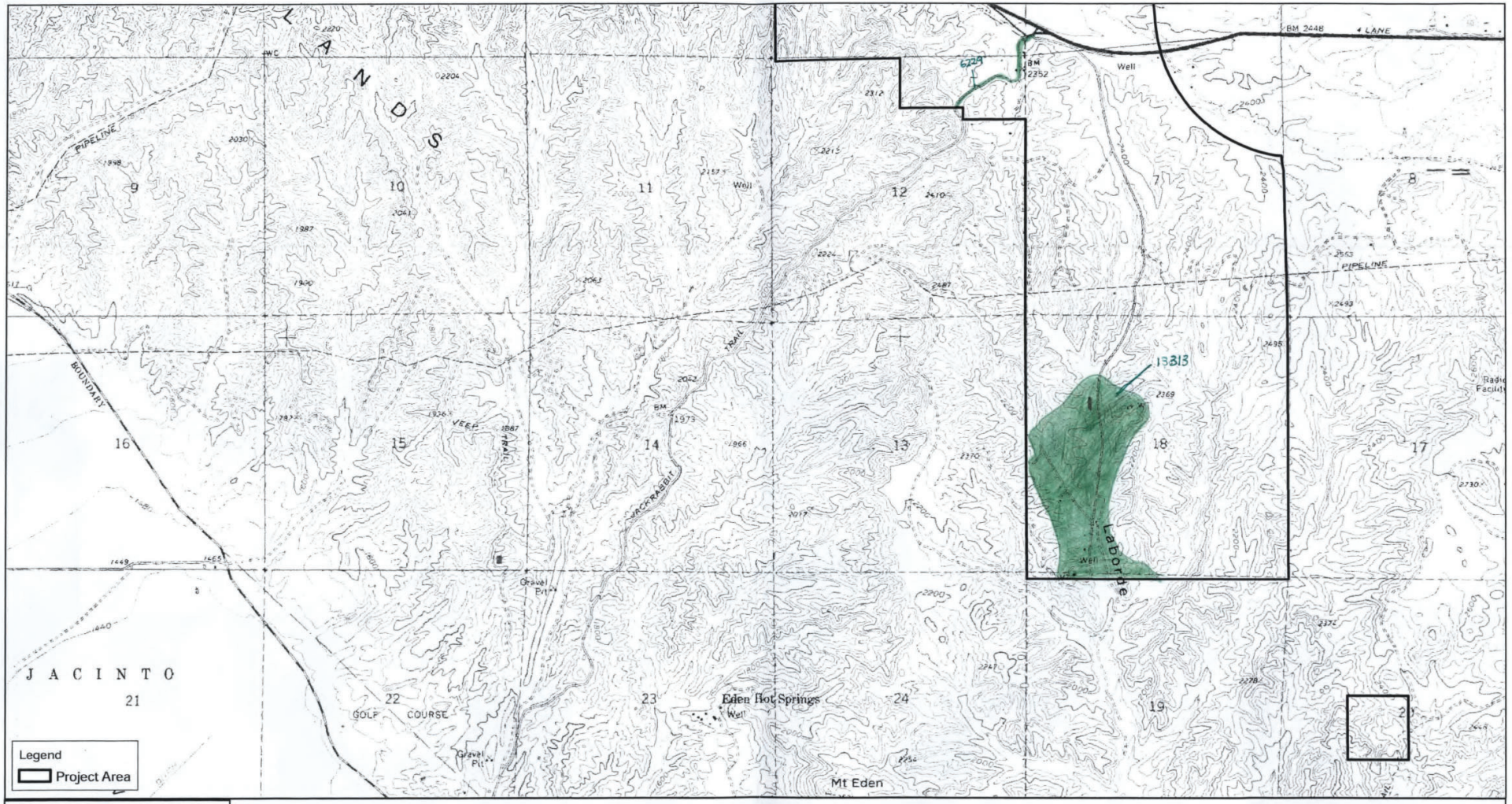

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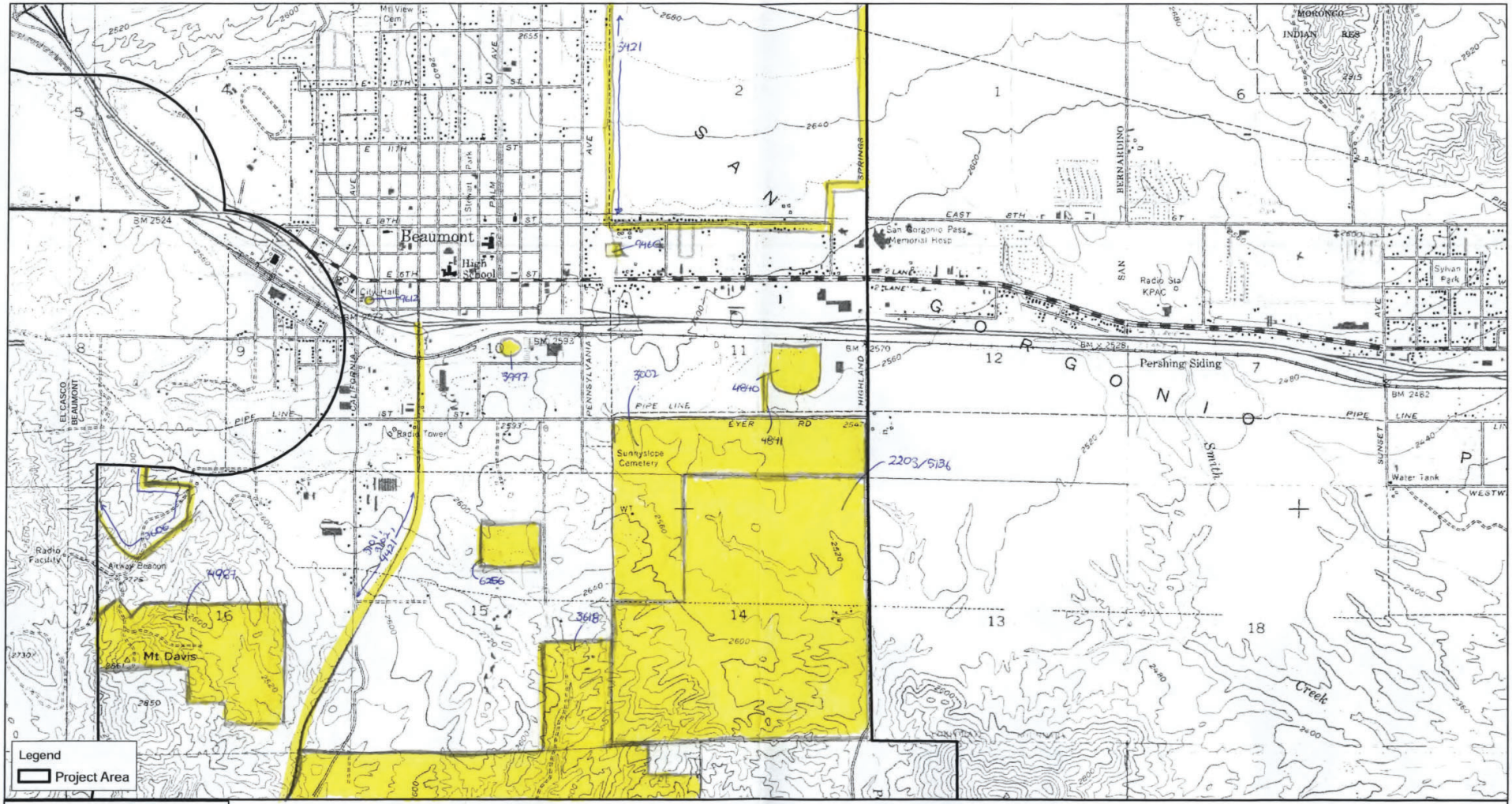

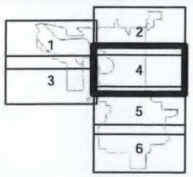

* other reports in this area:

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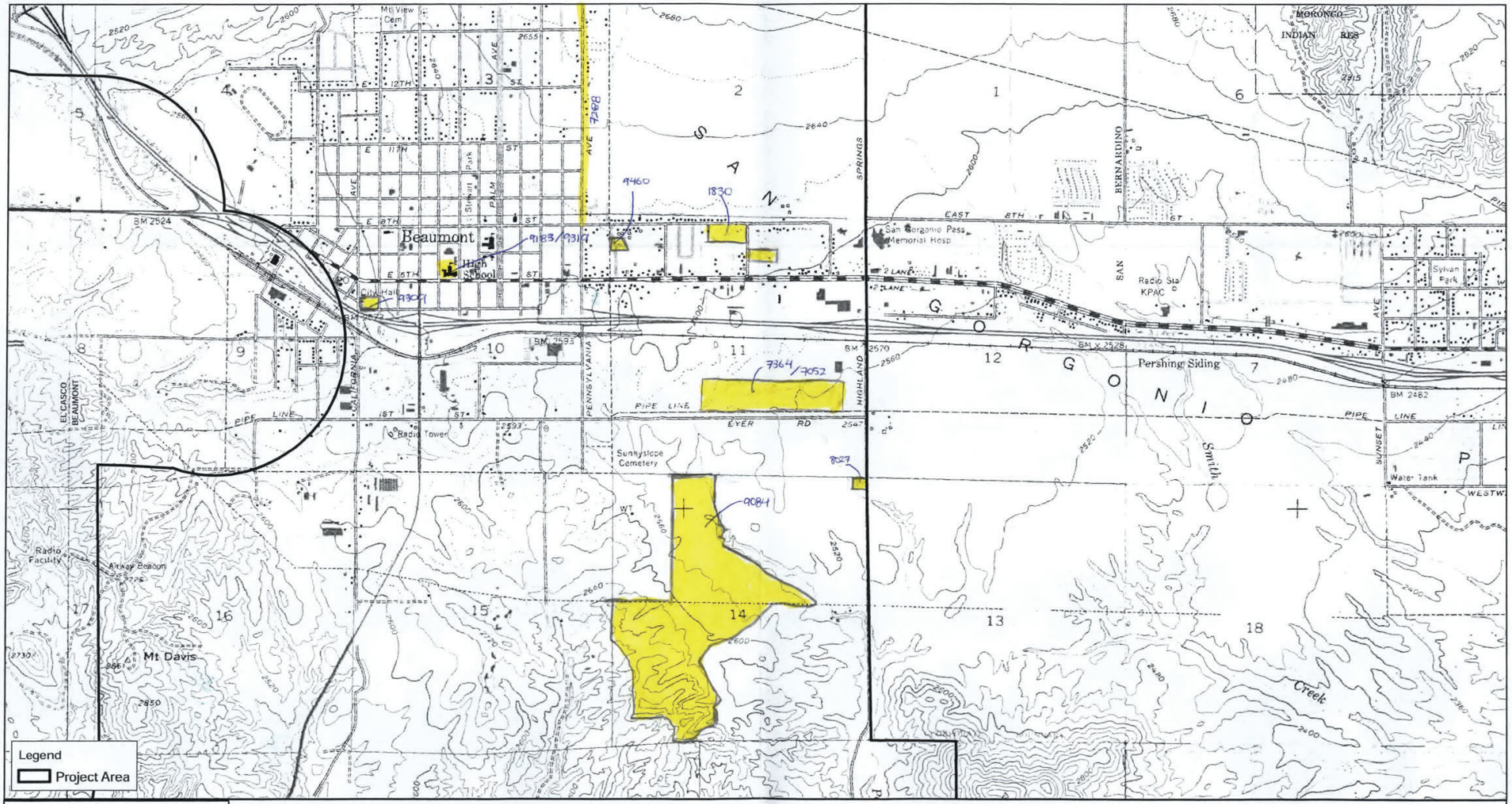
RI-2917 RI-8012
RI-3606 RI-9167

Beaumont and El Casco, CA 7.5' USGS Quadrangle



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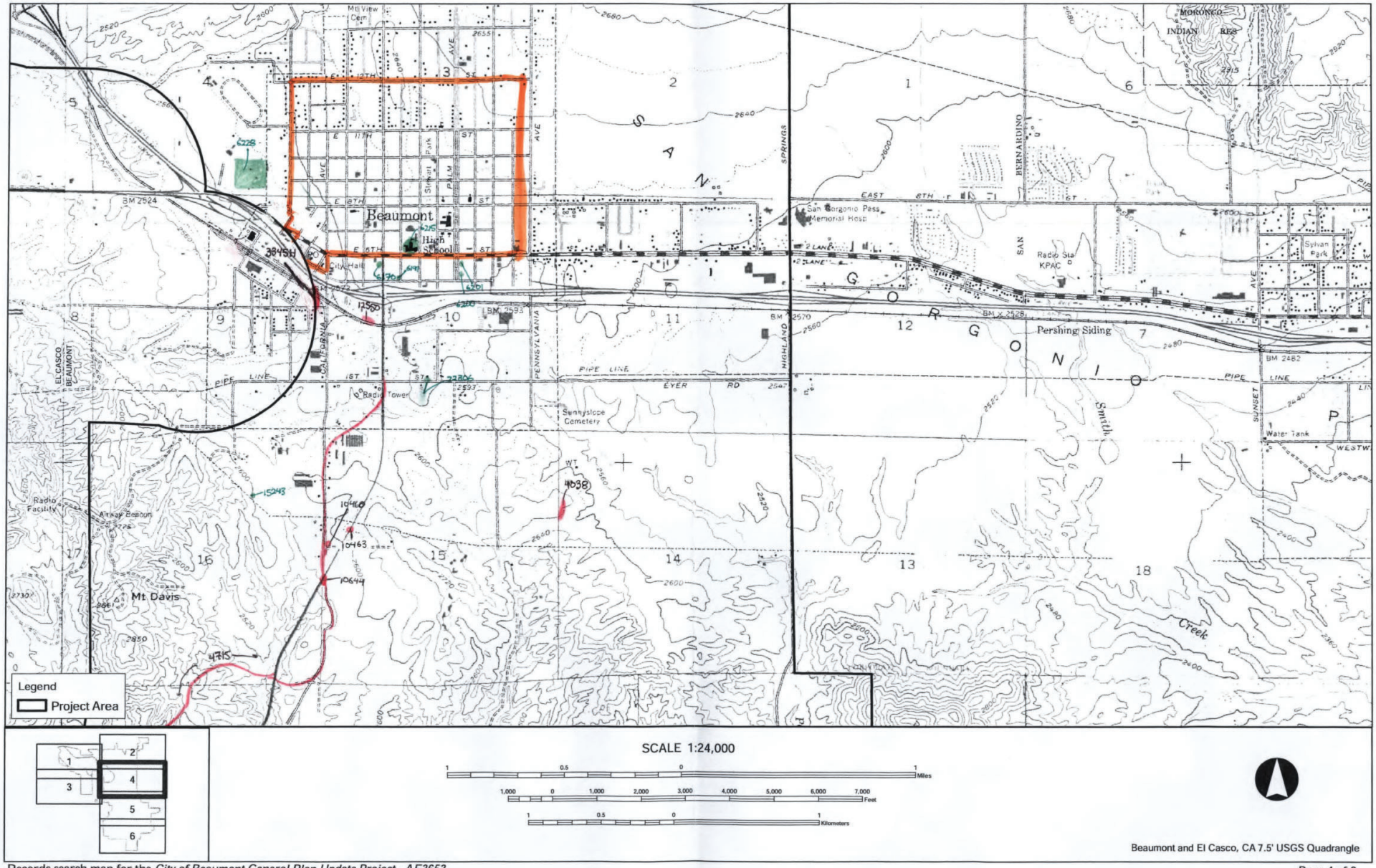

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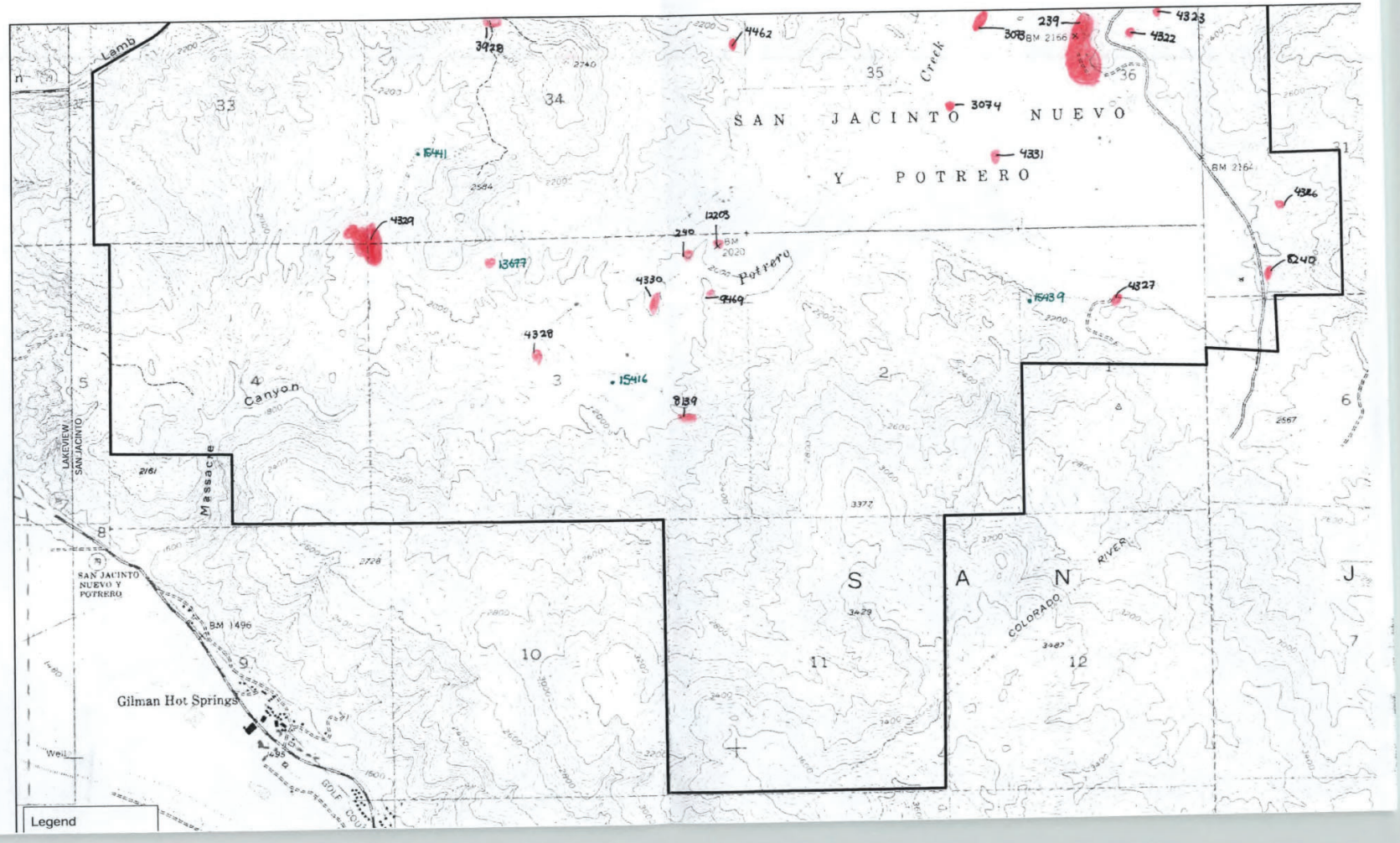
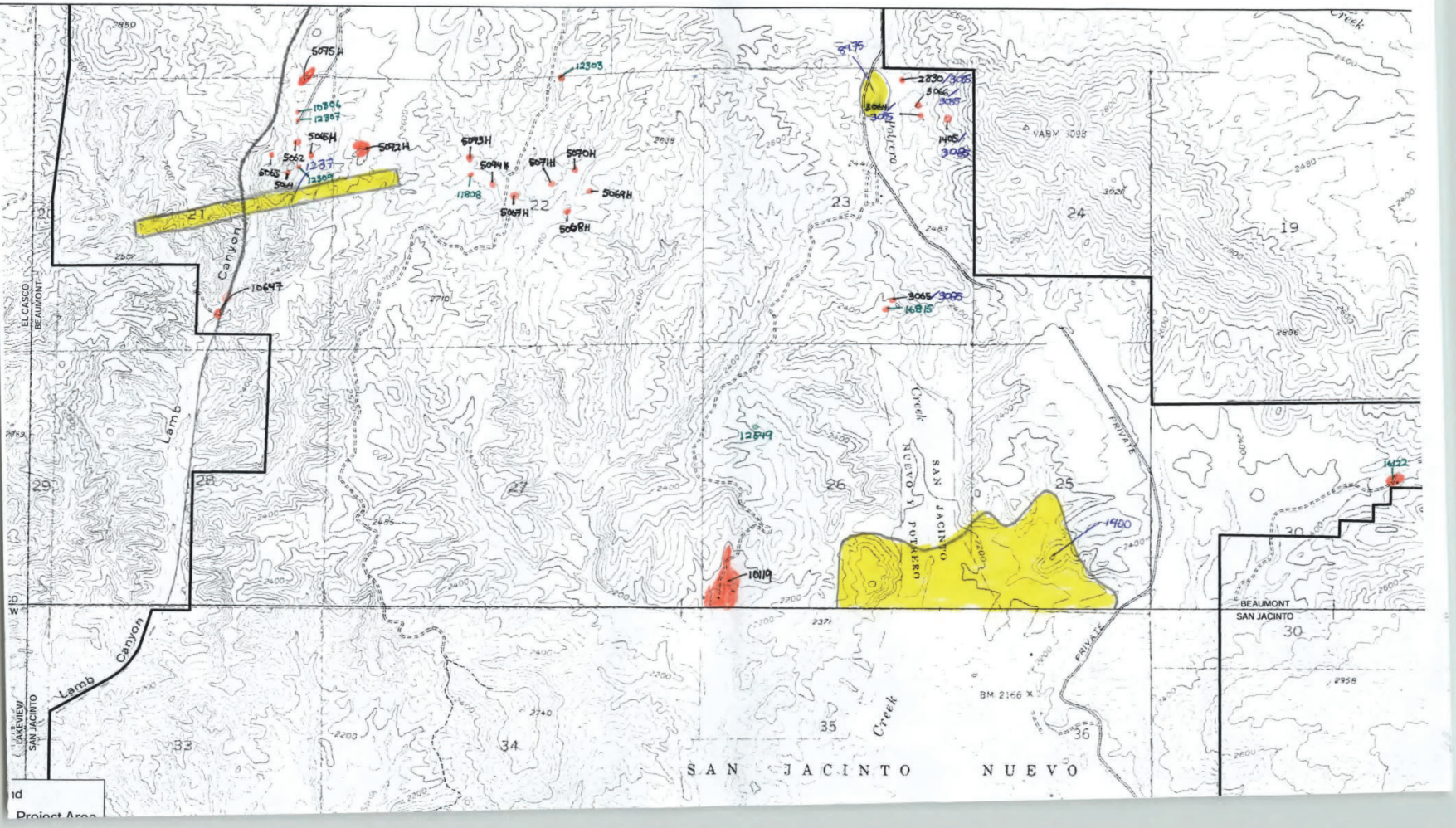


SAN JACINTO NUEVO
Y POTRERO
Creek
Potrero
Canyon
Massacre
Lamb
LAKEVIEW
SAN JACINTO
SAN JACINTO NUEVO Y POTRERO
Gilman Hot Springs
COLORADO RIVER
S A N J
Legend



Lamb Canyon
Lamb Canyon
Creek
Potrero
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SAN JACINTO NUEVO Y POTRERO
SAN JACINTO NUEVO
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SAN JACINTO
EL CASCO
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LAKEVIEW
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16122
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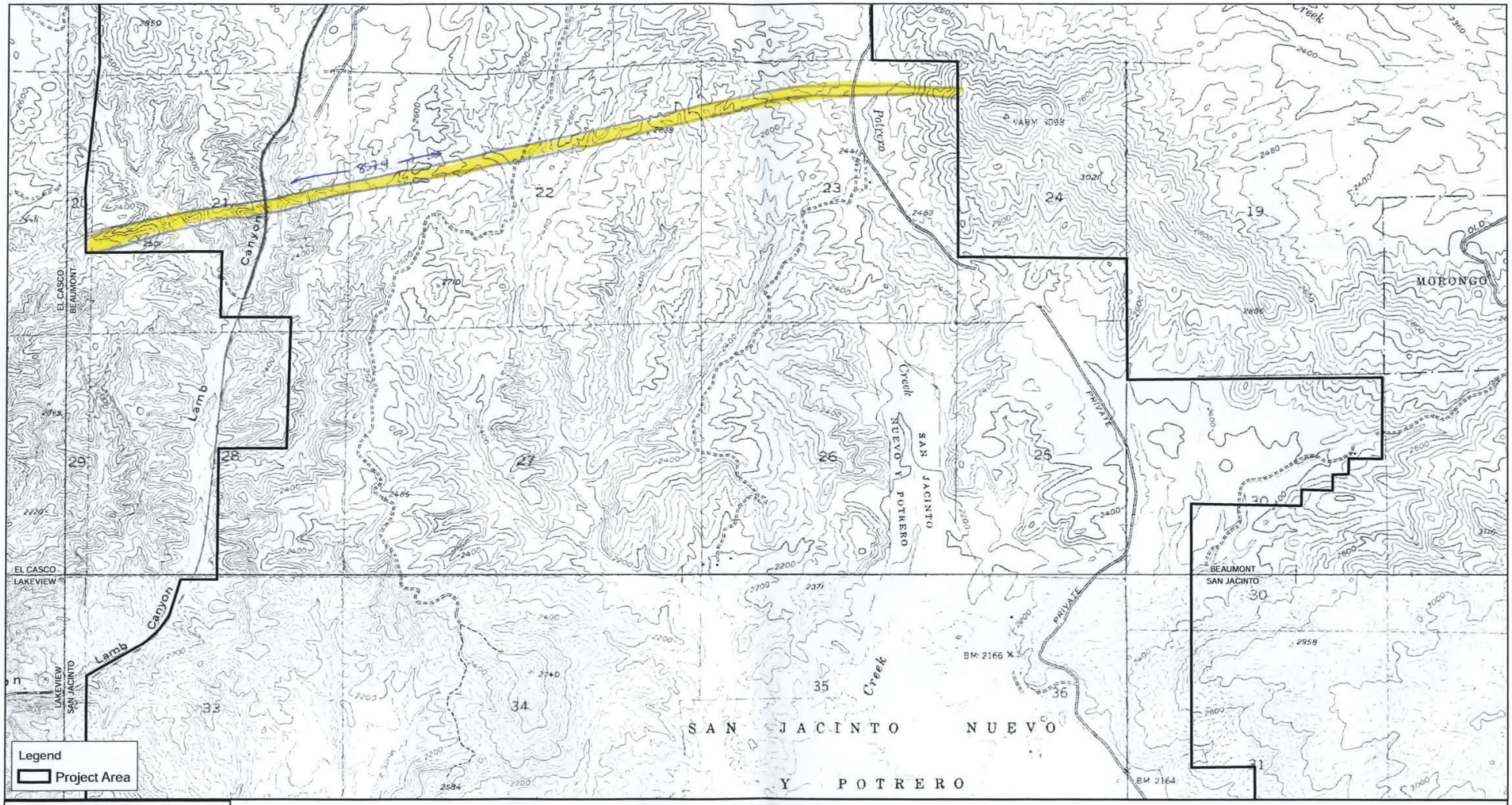
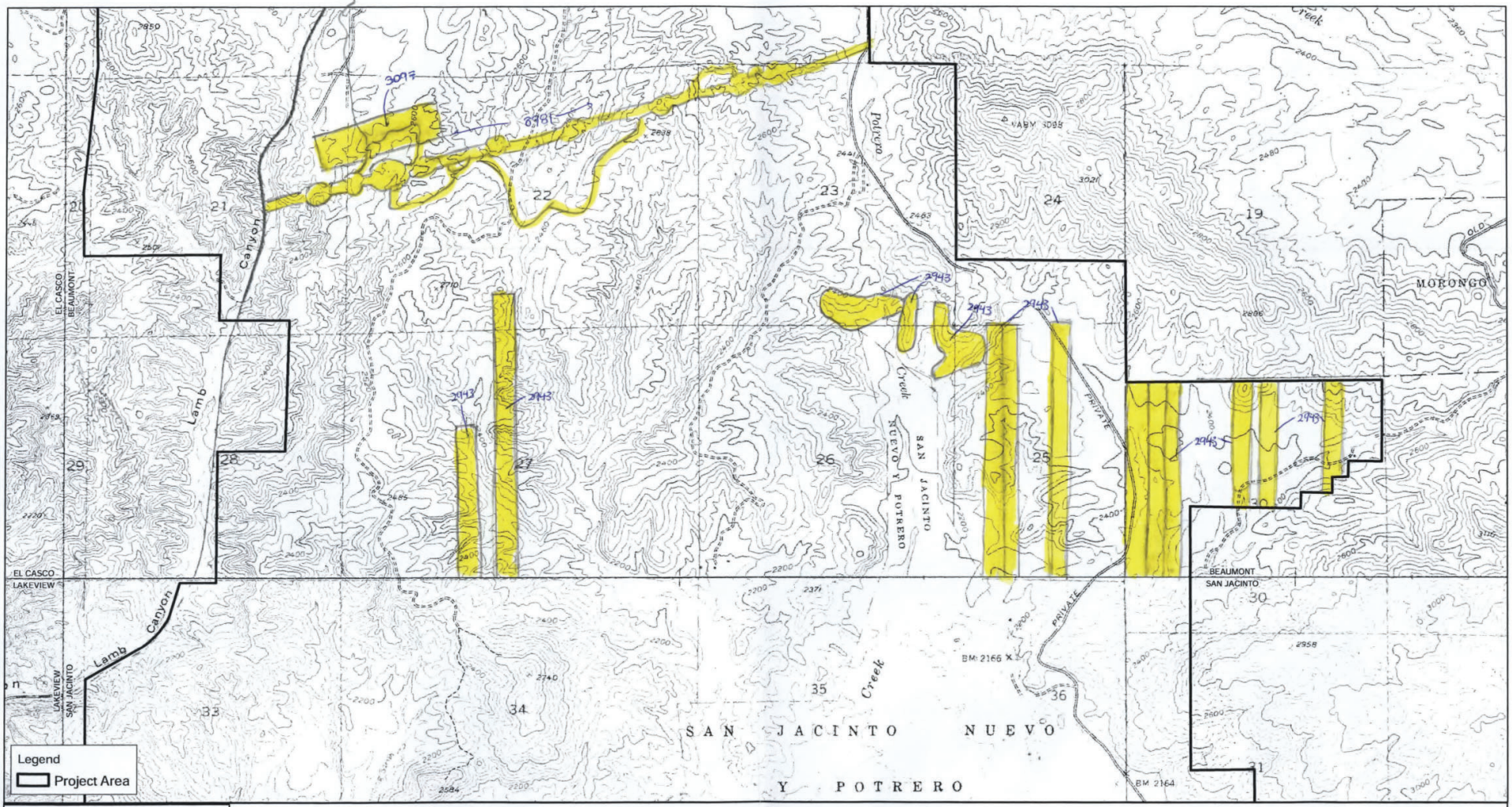
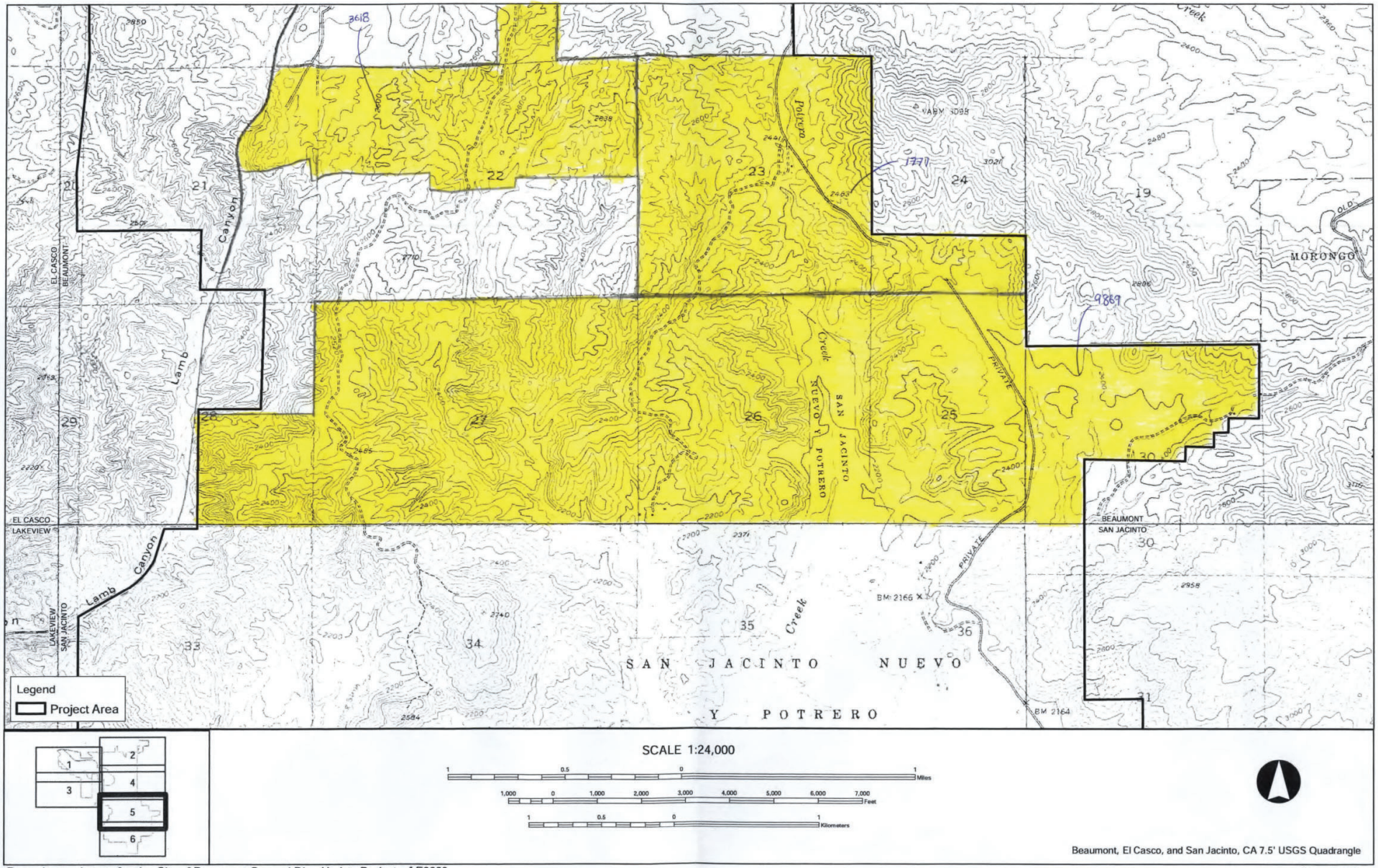


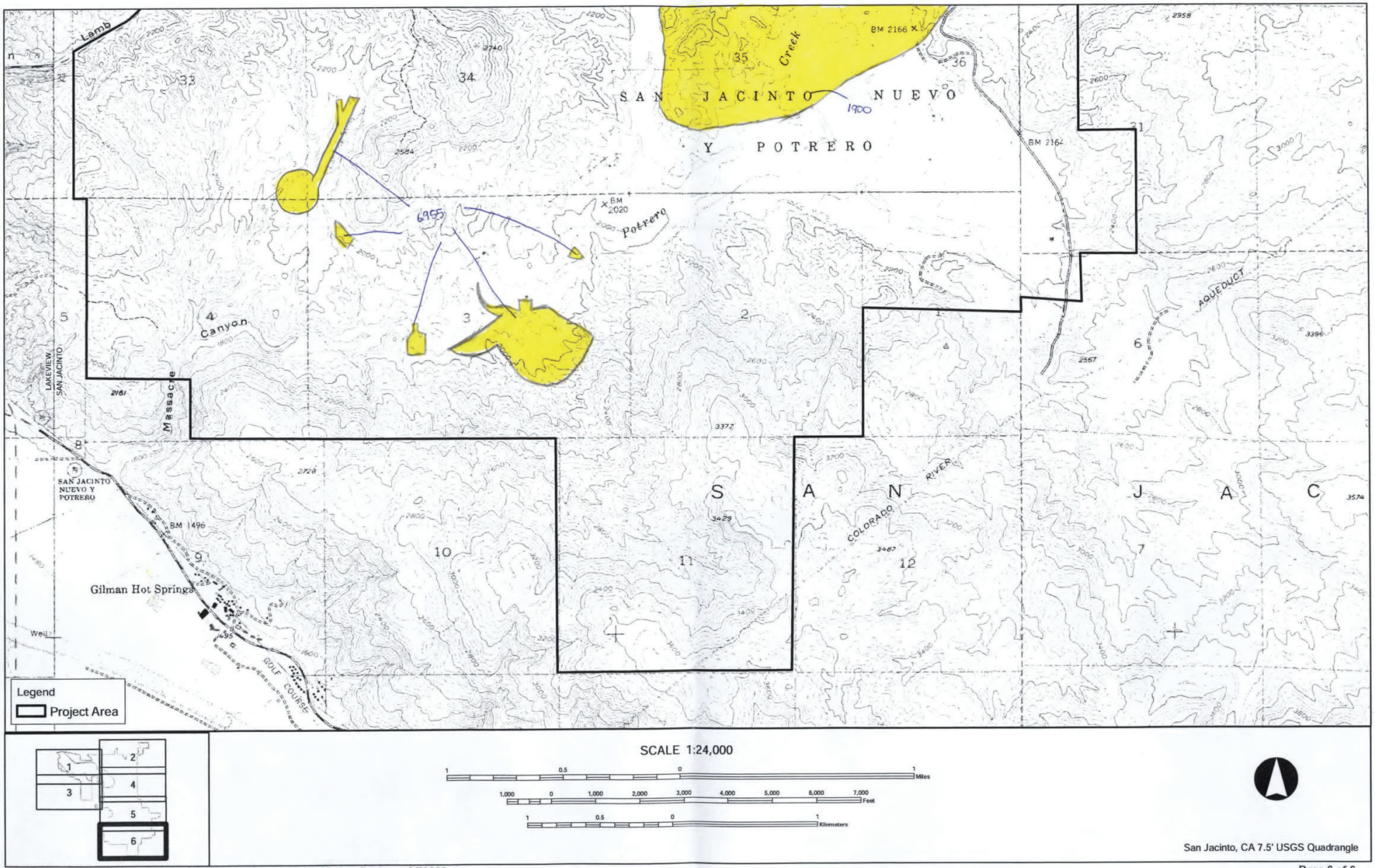
Records search map for the *City of Beaumont General Plan Update Project - AE3653.*



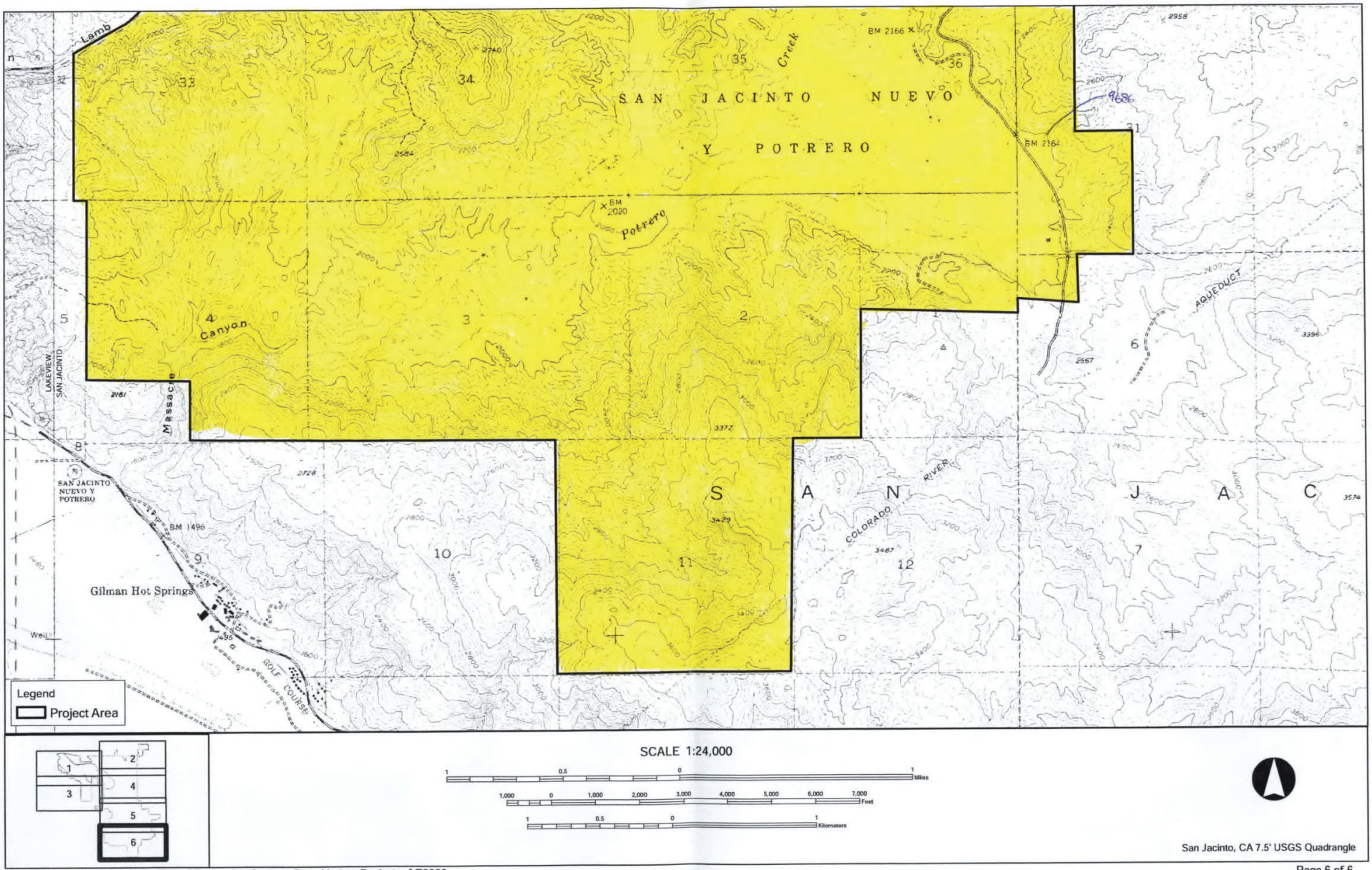
Records search map for the *City of Beaumont General Plan Update Project - AE3653.*



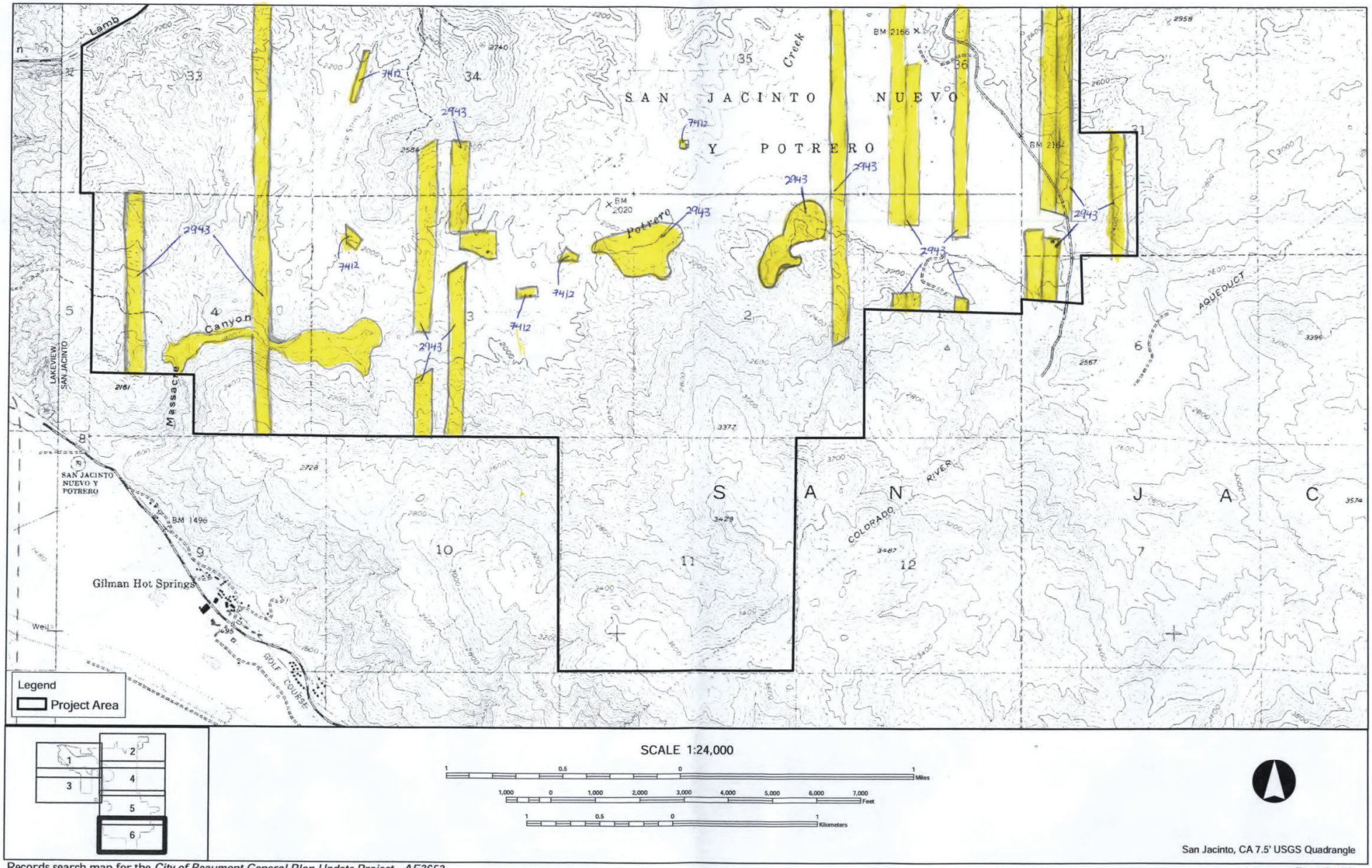
Records search map for the *City of Beaumont General Plan Update Project - AE3653.*



Records search map for the *City of Beaumont General Plan Update Project - AE3653.*



Records search map for the *City of Beaumont General Plan Update Project - AE3653.*



Records search map for the *City of Beaumont General Plan Update Project - AE3653.*

R	A L	I V	I M	I		A		M	T			E 1012	R T	I S	I	I	I	R	R	H I		M	A	LSS
RI-00039		o	o	ADB-R - 10 00 0 Submitter - 4 oided - MF-0044		Mary A. Bro n and Martha . Solig	1972		Develo ment o Highland S rings: Ex ected Im act on Archaeological Resources.	Archaeological Research Unit and Dry Lands Research Institute U.C. Riverside			Archaeological Field study	ca. 13 0 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-00040		o	o	ADB-R - 10 00 1 oided - MF-0044		David M. an Horn	19 2		Cultural Resources Assessment: entative ract 14209 near Highland S rings in Unincor orated Riverside County Cali ornia	Archaeological Associates L D	2		Archaeological Field study	1 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-001 1		o	o	ADB-R - 10 0200 oided - MF-0144	See also RI-09729	Roberta S. reen ood	197		Paleontological Archaeological Historical and Cultural Resources est Coast-Mid est Pi eline Project Long Beach to Colorado River	reen ood and Associates	32		Archaeological Field study	23 Miles x Miles surveyed	ot or ublication	o			0	o	Riverside			
RI-007 1		o	o	ADB-R - 10 0 13 oided - MF-0 3		Chrisina Bre er	19 0		An Archaeological Survey o entative ract 1 0 7 County o Riverside Cali ornia	Saddleba College			Archaeological Field study	ca. 1 0 Acres surveyed	ot or ublication	Un no n			0	o	Riverside			
RI-01237		o	o	ADB-R - 10 139 oided - MF-1231		Robert . lodars i and ohn M. Foster	19 0		Cultural Resource Overvie or he Devers Substation to Serrano Substation ransmission Route Alternatives Corridor Right-o - ay	reen ood and Associates Paci ic Palisades CA	247		Archaeological Field study	42 Miles x 200 Meters surveyed	ot or ublication	o		33-001 3 33-001 37	2	es	Riverside			
RI-01400		o	o	ADB-R - 10 1 42 oided - MF-14 4		SALPAS EA A.	19 2		A ARCHAEOLO ICAL ASSESSME OF 23.34 ACRES OF LA D EAR SU CI	AU HOR S	13		Archaeological Field study	23.34 Acres surveyed					0	o	Riverside			
RI-01771		o	o	ADB-R - 10 211 oided - MF-1914		LERCH MICHAEL and R.E. RE OLDS	19		ARCHAEOLO ICAL A D PALEO OLO ICAL SUR E OF FU URA ALLE FARMS I CLUDI E A I E RAC 213 4 BEAUMO AREA RI ERSIDE COU CALIFOR IA	MICHAEL LERCH A D ASSOCIA ES Redlands CA and San Bernardino County Museum Redlands CA	1		Archaeological Field study	77. Acres surveyed	ot or ublication	o		33-00140 33-002 30 33-0030 4 33-0030 33-0030		o	Riverside			
RI-01 30		o	o	ADB-R - 10 21 3 oided - MF-1977		SU O MAR .	19 4		A ARCHAEOLO ICAL ASSESSME OF PARCEL 1 132 BEAUMO AREA OF RI ERSIDE COU CALIFOR IA	ARCHAEOLO ICAL RESEARCH U I U.C. RI ERSIDE	7		Archaeological Field study Literature search	10.09 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-01900		o	o	ADB-R - 10 227 oided - MF-20 9		SCIE IFIC RESOURCE SUR E S I C.	19 3		ARCHAEOLO ICAL SUR E REPOR O A APPRO IMA E 900 ACRE POR IO OF POR ERO RA CH LOCA ED I HE BA I /BEAUMO AREA OF HE COU OF RI ERSIDE	AU HOR S	4		Archaeological Field study Literature search	900 Acres surveyed	ot or ublication	es		33-000239 33-003073 33-003074	3	o	Riverside			
RI-02203		o	o	ADB-R - 10 2 31 oided - MF-23 7		DRO ER C.E.	19 7		A ARCHAEOLO ICAL ASSESSME OF HE HO CHILD PROPER RI ERSIDE COU CALIFOR IA	AU HOR S	10		Archaeological Field study	00 Acres surveyed					0	o	Riverside			
RI-02943		o	o	ADB-R - 10 40 0 oided - MF-3171		OLDBER S. . M. MORA O M.C. ROMA O M. . S A SO R.P. HAMPSO P. LEE R.S. REE OOD L. . BEA S.B. A E and .B. OU	1991		ECH ICAL REPOR FOR HREE SI I AL ER A I ES EAS SIDE RESER OIR S UD : CUL URAL RESOURCES	I FO EC A D REE OOD A D ASSOCIA ES	17		Archaeological Field study	4 22 Acres surveyed				33-00017 33-000239 33-000240 33-0003 0 33-000 2 33-0011 2 33-002 30 33-0030 0 33-0030 33-003073 33-003074 33-0034 4 33-0034 33-0034 33-0034 7 33-0034 9 33-0034 1 33-0034 2 33-0034 33-0034 33-0034 7	21	o	Riverside			
RI-03002		o	o	ADB-R - 10 3 4 oided - MF-322		DRO ER CHRIS OPHER E.	1990		E IRO ME AL IMPAC E ALUA IO : A ARCHAEOLO ICAL ASSESSME OF SE ECA SPRI S PRO EC RI ERSIDE COU BEAUMO CALIFOR IA.	Consulting Archaeologist Santa Ana CA	13		Archaeological Field study	300 Acres surveyed	ot or ublication	o		33-00403	1	o	Riverside			
RI-03097		o	o	ADB-R - 10 3 4 oided - MF-3320		IR H ASSOCIA ES I C.	19 1		DE ERS-SERRA O- ILLA PAR RA SMISSIO S S EM CUL URAL RESOURCES ECH ICAL REPOR	IR H ASSOCIA ES I C.	192		Archaeological Field study	170 Acres surveyed					0	o	Riverside			
RI-03101		o	o	ADB-R - 10 4272 oided - MF-332		PO ERS DA ID . AMES H. CLELA D and REBECCA M. APPLE	1992		HIS ORIC S UD REPOR S A E ROU E 79 IDE I PRO EC ILMA SPRI S ROAD -FIRS S REE LAMB CA O 0 -RI -79 PM 33.9/40.1	DAMES A D MOORE	3							33-001 31	1	o	Riverside			
RI-03102		o	o	ADB-R - 10 4273 oided - MF-332		AHOFF A A	1992		ARCHAEOLO ICAL SUR E REPOR S A E ROU E 79 IDE I PRO EC ILMA SPRI S ROAD - FIRS S REE LAMB CA O 0 -RI -79 PM 33.9/40.1 0 214-4 100	DAMES A D MOORE	0		Archaeological Field study	2 Miles surveyed				33-0002 33-000 4 33-000797 33-001 31 33-0043 9 33-004713 33-004714 33-00471	0	o	Riverside			
RI-031 0		o	o	ADB-R - 10 3741 oided - MF-3399		DRO ER CHRIS OPHER E.	1991		A CUL URAL RESOURCE ASSESSME : LAMB CA O LA DFILL PRO EC EAR BEAUMO RI ERSIDE COU CALIFOR IA	AU HOR S	1		Archaeological Field study	10 3 Acres surveyed				33-001 31 33-0041 9	2	o	Riverside			
RI-0332		o	o	ADB-R - 10 393 oided - MF-3 3		DRO ER CHRIS OPHER	1991		E IRO ME AL IMPAC E ALUA IO : A ARCHAEOLO ICAL ASSESSME OF LOC HEED PRO I ROU D PRO EC RI ERSIDE COU BEAUMO CALIFOR IA	AU HOR	10		Archaeological Field study	12 Acres surveyed					0	o	Riverside			
RI-03421		o	o	ADB-R - 10 40 Submitter - 9-1229 oided - MF-3 7		BRO OA and UA I A SHI	19 9		CUL URAL RESOURCES LI ERA URE RE IE FOR HE 1 1 2 ACRE DEU SCH SPECIFIC PLA PRO EC LOCA ED I HE CI OF BEAUMO RI ERSIDE COU CALIFOR IA	RM PALEO ASSOCIA ES	19								0	o	Riverside			
RI-03 1		o	o	ADB-R - 10 43 Submitter - 1217 oided - MF-390		E ERSO DIC E and S E E MOFFI	1993		CUL URAL RESOURCES ASSESSME ARCHAEOLO ICAL SUR E OF HE BEAUMO HEI H S SPECIFIC PLA PRO EC LOCA ED I HE BEAUMO AREA OF RI ERSIDE COU	ARCHAEOLO ICAL RESEARCH U I U.C. RI ERSIDE	121		Archaeological Field study	4 Acres surveyed	ot or ublication	o		33-00 0 2 33-00 0 3 33-00 0 4 33-00 0 33-00 0 33-00 0 7 33-00 0 33-00 0 9 33-00 070 33-00 071 33-00 072 33-00 073 33-00 074 33-00 07 33-01230 33-012307 33-01230 33-012309	1	o	Riverside			
RI-041 2		o	o	ADB-R - 10 3 Other - 99-444 oided - MF-4 42		MC E A EA E E A.	1999		A PHASE I CUL URAL RESOURCES I ES I A IO OF HE OA ALLE ES A ES PRO EC AREA BEAUMO RI ERSIDE COU CALIFOR IA	MC E A E AL.	2		Archaeological Field study	ca. 33 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-041 3		o	o	ADB-R - 10 3 7 Submitter - 99-413 A D 99-43 oided - MF-4 42		MC E A EA E E A.	1999		A CUL URAL RESOURCES O ER IE FOR HE OA ALLE ES A ES PRO EC AREA LOCA ED I HE CI OF BEAUMO RI ERSIDE COU CALIFOR IA	MC E A E AL	1			33 Acres surveyed	Unrestricted	o			0	o	Riverside			
RI-04421		o	o	ADB-R - 10 3 0 oided - MF-332		LSA ASSOCIA ES I C.	1990		APPE DI B-CUL URAL RESOURCES. I : MEASURE A PRO RAM PRO EC AL ER A I ES A AL SIS-E IRO ME AL COMPO E ECH ICAL APPE DI OLUME I	LSA ASSOCIA ES I C.	99		Archaeological Field study	1 . Miles surveyed				33-0002 33-000412 33-000 4 33-000 7 33-000797 33-001 31 33-0021 3	7	o	Riverside			
RI-04 40		o	o	ADB-R - 10 202		DEMCA CAROL R.	2002		REPOR OF PHASE I ARCHAEOLO ICAL ASSESSME OF A 23-ACRE PARCEL I BEAUMO RI ERSIDE COU	ARCHAEOLO ICAL RESOURCE MA A EME CORPORA IO			Archaeological Field study	23 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-04 41		o	o	ADB-R - 10 203		DEMCA CAROL R.	2002		ADDE DUM: REPOR OF PHASE I ARCHAEOLO ICAL ASSESSME OF A 23-ACRE PARCEL I BEAUMO RI ERSIDE COU	ARCHAEOLO ICAL RESOURCE MA A EME CORPORA IO			Archaeological Field study	ca. 0.12 Miles x Feet surveyed	ot or ublication	o			0	o	Riverside			
RI-0 0		o	o	ADB-R - 10 4 0		CUL URAL S S EMS RESEARCH I C.	200		E H O RAPHIC O ER IE I LA D FEEDER PIPELI E PRO EC	CUL URAL S S EMS RESEARCH I C.									0	o	Riverside			
RI-0 13		o	o	ADB-R - 10 499		ARCHER A I H. and MARIA L. EARI	2003		CUL URAL RESOURCI E OR A D PALEO OLO IC ASSESSME HO CHILD PROPER CI OF BEAUMO COU OF RI ERSIDE CALIFOR IA	HE EI H COMPA IES	2		Archaeological Field study	70 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-0 2 0		o	o	ADB-R - 10 13		HI E LAURIE	2000		LE ER REPOR : RECORDS SEARCH RESUL S FOR SPRI PCS FACILI R 33 C2 9A MA ALLE MOU AI CE ER RI ERSIDE COU CA	MICHAEL BRA DMA ASSOCIA ES	3		Literature search						0	o	Riverside			
RI-0 230		o	o	ADB-R - 10 7 93 Submitter - PRO EC UMBER 1 24		BO DE -RE A CHER L	200		CUL URAL RESOURCES SUR E FOR HE LOC HEED/LABORDE CA O OFF-HI H A EHICLE OH PAR RI ERSIDE COU CALIFOR IA	EDA I C.	94		Archaeological Field study	14 0 Acres surveyed				33-013311 33-013312 33-013313	3	o	Riverside			
RI-0 2		o	o	ADB-R - 10 7 19		AHME ORAL and E EL CHA DLER	200		CUL URAL RESOURCES SUR E OF A 29-ACRE PARCEL LOCA ED ES OF MA ZA I A ROAD EAR HE CI OF BEAUMO RI ERSIDE COU CALIFOR IA	ECORP CO SUL I I C.	32		Archaeological Field study	29 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-0 4		o	o	ADB-R - 10 7 23 Submitter - CO RAC 14 3		A BAI MICHAEL HO A DEIRDRE E CAR ACIO and OH . EDD	2004		HIS ORICAL/ARCHAEOLO ICAL RESOURCES SUR E REPOR HE SHOPS A HE OBLE CREE I HE CI OF BEAUMO RI ESIDE COU CALIFOR IA	CRM ECH	19		Archaeological Field study	31 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-0 1		o	o	ADB-R - 10 04 Submitter - OB SRI C A-40		ARD ER ILL . PA RIC S A O and DEBORAH CO A	200		ARCHAEOLO ICAL SUR E OF I E POLE LOCA IO S O HE RO DELL 12 CIRCUI MARASCHI O SUBS A IO RI ERSIDE COU CALIFOR IA O O. 031- 333 - 320	S A IS ICAL RESEARCH I C.	7		Archaeological Field study	ca. .2 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-0 9		o	o			Ahmet oral and Evelyn Chandler	200		Cultural Resource Inventory o 270 Acres at Loc heed Martin Cor oration Beaumont Site 1 Potrero Cree Riverside County Cali ornia.	ECORP Consulting Inc.	0		Archaeological Field study	270 Acres surveyed	ot or ublication	o		33-004329 33-01 43 33-01 439 33-01 440	4	o	Riverside			
RI-070 2		o	o	Submitter - 10-0 -12-12 0		Mc enna et al.	200		A Cultural Resources Investigation o the Pro osed San orgonio illage Project Area A roximately 23 Acres o Land in the City o Beaumont Riverside County Cali ornia.	Mc enna et al.			Archaeological Field study	ca. 23 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-070 4		o	o	Submitter - 1973A		Hogan Michael and Bai ang	2007		Cultural Resource Reconnaissance and Sensitivity Assessment: Beaumont-Cherry alley ater District Se er System in the Community o Cherry alley Riverside County Cali ornia.	CRM ECH	37		Archaeological Field study	20 Miles surveyed	ot or ublication	o			0	o	Riverside			
RI-073 4		o	o			Cre s Rachel . and ay . Sander	2007		Archaeological and Paleontologic Monitoring o a 29.7-Acre Project Area at the orth est Corner o the First Street and Commerce ay Beaumont Riverside County Cali ornia	Chambers rou Inc.	39		Monitoring	29.7 Acres monitored	ot or ublication	o			0	o	Riverside			
RI-07412		o	o			Ahmet oral and Evelyn Chandler	2007		Cultural Resources Inventory o Several Parcels ithin Former O erational Areas at Loc heed Martin Cor oration Beaumont Site 1 Potrero Cree Riverside County Cali ornia	ECORP Consulting Inc.	4		Archaeological Field study	92 Acres surveyed	ot or ublication	o		33-004327 33-01	2	o	Riverside			
RI-07439		o	o			Eddy ohn	2007		Due-Diligence Historical / Archaeological Bac ground Revie Pro osed AEH-FM oble Cree ransmitter Site City o Beaumont Riverside County Cali ornia CRM ECH Contract o. 2140	CRM ECH	14		Literature search	ca. 0.2 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-074 0		o	o			Bonner H. ayne and Aislin- ay Mamie	2007		Cultural Resource Records Search and Site isit Results or -Mobile Candidate IE04 72B Morse Chiro ractic 1093 Limonite Avenue Mira Loma Riverside County Cali ornia	MBA	14		Archaeological Field study Literature search	ca. 0.2 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-074 7		o	o	BLM - EA CA 0-0 -0 Other - EA CA 0-0 -0		Dalu Chris	2007		A Class III Cultural Resources Inventory Survey o 27 O -High ay ehicle Restoration Areas EA CA 0-0 -0 Chuc alla alley Riverside County Cali ornia	Bureau o Land Management Palm S rings-South Coast Field O ice Palm S rings CA	20		Archaeological Field study	ca. 12.33 Acres surveyed	ot or ublication	es		33-01 719 33-01 720 33-01 721 33-01 722 33-01 723		o	Riverside			
RI-07490		o	o	Submitter - CRM ech Contract o. 213		ang Bai om and Michael Hogan	2007		Historical/Archaeological Resources Survey Re ort: he ind lo er ristone Project entative ract Ma o. 3 1 4	CRM ech	3		Archaeological Field study	3. Acres surveyed	ot or ublication	o		33-01 7	1	o	Riverside		AP 311-030-021	
RI-07711		o	o	Submitter - LSA Project o. ULC0702		La son atalie ose h E. Baumann and Shannon Carmac	2007		CUL URAL RESOURCES ASSESSME IMPRO EME S O HE BEAUMO SPOR S PAR PRO EC . CI OF BEAUMO RI ERSIDE COU CALIFOR IA	LSA	4		Archaeological Field study Literature search	19 Acres surveyed	ot or ublication	o			0	o	Riverside			
RI-07713		o	o			San a enni er M.	200		PHASE I CUL URAL RESOURCES ASSESSME A D PALEO OLO ICAL RECORDS RE IE BROO SIDE SOU H S REAMBED RECHAR E PRO EC BEAUMO RI ERSIDE COU CALIFOR IA	Michael Brandman Associates	70		Archaeological Field study	3300 Feet x 0.12 Miles surveyed	ot or ublication	o			0	o	Riverside		AP 40 -070-024 AP 40 -070-03 AP 40 -070-04 AP 40 -0 0-012:14 AP 40 -0 0-032 79 Highland S rings Avenue Beaumont	
RI-0 027		o	o	Submitter - IE049 A		Earth ouch Inc	2009		Beaumont Health Center	Earth ouch Inc Layton Utah	1		Literature search		ot or ublication	o			0	o	Riverside			
RI-0 409		o	o	Other - Contract o. 0311 0 1		illiam . Ec hardt risten E. al er and Richard L. Carrico	2004		Dra t Cultural Resources Inventory o the Pro osed ista to Devers ransmission Line Riverside and San Bernardino Counties Cali ornia.	Mooney/Hayes Associatesm LLC	1		Archaeological Field study Literature search	ca. 1 1 Acres surveyed	ot or ublication	o		33-0022 2 33-0047 33-007 33-013427 33-01342 33-013429 33-013430 33-013431 33-013432 33-013433 33-013434	11	o	Riverside			
RI-0 74		o	o	Other - Contract o. 4 0000043 Other - Project 00309.09		illiam . Ec hardt Stacie ilson Carol Serr and arolina Chmiel	2009		Final Cultural Resources Inventory o the Pro osed SCE Devers to alley Substation Project Riverside County Cali ornia: olume I	ICF ones Sto es			Archaeological Field study	ca. 100 .7 Acres surveyed	ot or ublication	o		33-002 30 33-00471 33-00 727 33-00949 33-0112		o	Riverside			
RI-0 9		o	o	Submitter - IE243 -A		ayne H. Bonner Sarah A. illiams and athleen A. Cra ord	2011		Letter Re ort: Cultural Resources Records Search and Site isit Resultes or -Mobile USA Candidates IE243 -A	Michael Brandman Associates	19		Archaeological Field study		ot or ublication	o			0	o	Riverside			
RI-0 97		o	o			ames . Daniels r.	2011		Additional Intensive Survey or SCE DP 2 hree Additional Helico ter Landing Zones and o Alternate Construction ards Riverside County Cali ornia	ASM A iliates	13		Archaeological Field study Literature search	22.07 Acres surveyed	ot or ublication	o		33-017 0	1	o	Riverside			
RI-0 9 1		o	o	Submitter - Project o. 1 720.00		Matthe M. DeCarlo Scott C. ustus and illiam . Ec hardt	2013		Summary Class III Cultural Resource Inventory Pro osed Southern Cali ornia Edison Devers-Palo erde 2 00 ransmission Line Project Riverside County Cali ornia	ASM a iliates	340		Archaeological Field study	ca. 73 Acres surveyed	ot or ublication	Un no n	here are more resources associated ith this re ort than hat the ro ram allo ed to list. Please re er to re ort PDF.	33-0013 3 33-001 11 33-013 72 33-013 7 33-013 33-013 9 33-01 117 33-01 11 33-01 119 33-01 120 33-01 121 33-01 137 33-01 13 33-01 1 0 33-01 1 3 33-01 1 7 33-01 1 33-01 1 33-01 171 33-01 172 33-01 17 33-01 17	22	o	Riverside			
RI-090 4		o	o			Sarah A. Siren Matthe . etherbee La rence . Barnes and avin H. Archer	200	Feb	Re ort o Archaeological and Paleontological Mitigation Program Four Season at Beaumont Phases B and C Beaumont Cali ornia	S A EC	33				ot or ublication	es			0	o	Riverside			
RI-0917		o	o			Michael H. Dice and enneth . Lord	2010	Dec	Phase I Cultural Resource Assessment o he Lamb Canyon Land ill Integrated Project Riverside County Cal ornia	Michael Brandman Associates			Archaeological		ot or ublication	o			0	o	Riverside			2S R1 Sec. 20 21 29 30 SBBM
RI-091 3		o	o			Carrie D. ills Sarah A. illiams and athleen A. Cra ord	2014	01	Cultural Resources Records Search and Site isit Results or -Mobile est LLC Candidate IE044 1A CM4 1 Beaumont Civic Center 0 East th Street Beaumont Riverside County Cali ornia	Environmental Assessment S ecialists Inc.		1	Evaluation		ot or ublication	o			0	o	Riverside	1		
RI-09309		o	o			David Brun ell	2014	A r	Cultural Resources Assessment o the Hert Project Beaumont Riverside County Cali ornia BCR Consulting Project o. RF1401	BCR Consulting	27	1	Archaeological Architectural/Historical Field study		ot or ublication	o			0	o	Riverside	1		3S R1 Sec. 10 SBBM
RI-09319		o	o			Sarah A. illiams Carrie D. ills and athleen A Cra ord	2014	ov	Cultural Resrouces Search and Site isit Results or -Mobile est LLC Candidate IE04 1A CM 4 1 Beaumont Civic Center 0 East th Street Beaumont Riverside County Cali ornia.	Environmental Assessment S ecialists Inc.			Archaeological		ot or ublication	o			0	o	Riverside		0 East th Street Beaumont 92223	3S R1 Sec. 10 SBBM
RI-094 7		o	o			Phil Fulton	201	Aug	Cultural Resource Assessment Class III Inventory eri on ireless Services Bolo Facility City o Beaumont County o Riverside Cali ornia	LSA			Archaeological Architectural/Historical		Restricted	o			0	o	Riverside		/A /A /A AP /A	
RI-094 0		o	o			Bai om ang and Michael Hogan	201	Oct	Phase I Historical/Archaeological Resource Survey Seasons at Beaumont Project City o Beaumont Riverside Cali ornia	CRM ech	39		Archaeological Evaluation		Restricted	o			0	o	Riverside		/A /A /A AP /A	
RI-09 12		o	o			David Brun ell	2014	A r	Cultural Resources Assessment o the Hert Project Beaumont Riverside County Cali ornia BCR Consulting Project o. RF 1401	BCR Consulting			Archaeological Evaluation		Restricted	o			0	o	Riverside		/A /A /A AP /A	
RI-09 1		o	o	Other - EBI Project o. 114240 Other - Oa alley/Ensite 1 231		Don C. Pere M.A. RPA	2014	May	Cultural Resources Survey: Oa alley / Ensite 1 231 273990 Beaumont Avenue Beaumont Riverside County Cali ornia 92223. S 1/4 1/4 S3 3S R1 . EBI Project o. 114240	EBI Consulting	3	1	Archaeological Field study Literature search		ot or ublication	o			0	o	Riverside	1		3S R1 Sec. 3 SBBM
RI-09		o	o			Robert Cunningham and Evelyn Chandler	2014	Se	Cultural Resources Inventory o the Remedial Action Plan RAP Study Areas at Loc heed Martin Cor oration s Beaumont Site 2 Laborde Canyon Riverside County Cali ornia	E RA ech			Archaeological		Restricted	o			0	o	Riverside		/A /A AP /A	

S	T S	R	I V	I M	I		R T	A	I	A	R	R	A	F	R	R E	R		M	A	LSS	UTM
P-33-000239	CA-RI -000239		o	o	Other - R13-1P Other - R13-2P Other - R13-3P		Site	Prehistoric Historic		AH04 Privies/dum s/trash scatters AP02 Lithic scatter AP03 Ceramic scatter AP0 Petrogly hs AP0 Pictogra hs AP14 Roc shelter/cave AP1 Habitation debris	ot or ublication	es				19 1 . Smith n/a 197 . aldron n/a 1977 MAB n/a 19 Michael A. Hood Scienti ic Resource Surveys Inc. 19 9 S. illiams M. Romano S. Dies E. Crabtree R. Olson . O ens M. S anson n/a 1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover	RI-01900 RI-02943 RI-0337	Riverside	SA ACI O			
P-33-000240	CA-RI -000240		o	o			Site	Prehistoric		AP04 Bedroc milling eature	ot or ublication	o				19 1 . Smith n/a 19 9 M. Romano S. illiams E. Crabtree S. oldburg. n/a 1990 an Horn Archaeological Associates 1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover	RI-02943 RI-031 4 RI-0337 RI-03747	Riverside	SA ACI O			
P-33-001403	CA-RI -001403		o	o			Site	Prehistoric			ot or ublication	Un no n				197 M. Morin and . aldron		Riverside	CABAZO			
P-33-002 30	CA-RI -002 30		o	o				Prehistoric			ot or ublication	o				19 4 Bouscaren S. University o Cali ornia Riverside 19 S. Bouscaren University o Cali ornia Riverside 19 9 S. illiams 19 9 Romano M. 200 . McLean A lied Earth or s 200 McDougall D. A lied Earth or s 200 ilson S. and . Chimel ICF ones Sto es	RI-01771 RI-01 37 RI-02943 RI-0 707 RI-0 374 RI-0 74	Riverside	BEAUMO			
P-33-0030 4	CA-RI -0030 4		o	o				Prehistoric			ot or ublication	es				19 Michael . Lerch 19 9 M. Romano and S. illiams	RI-01771	Riverside	BEAUMO			
P-33-0030	CA-RI -0030		o	o	Other - M D Res. Study Potrero			Prehistoric			ot or ublication	Un no n				19 Michael . Lerch 19 9 S. Dies R. Olson and . O ens	RI-01771	Riverside	BEAUMO			
P-33-0030	CA-RI -0030		o	o	Other - M D Res. Study Potrero			Prehistoric			ot or ublication	Un no n				19 Michael . Lerch 19 9 M. Romano and S. illiams	RI-01771 RI-02943 RI-029 2	Riverside	BEAUMO			
P-33-003073	CA-RI -003073		o	o				Prehistoric			ot or ublication	Un no n				19 Michael A. Hood Scienti ic Resource Surveys Inc. Huntington Beach CA. 19 9 S. Dies R. Olson and . O ens 1990 an Horn Archaeological Associates Sun City CA. 1991 C.E. Drover D.M. Smith . . Buc ley and . Schic ler Christo her Drover Santa Ana CA.	RI-01900 RI-02943 RI-031 4	Riverside	SA ACI O			
P-33-003074	CA-RI -003074		o	o	Other - SRS 32-2			Prehistoric			ot or ublication	o				19 Michael A. Hood Scienti ic Resource Surveys Inc. Huntington Beach CA. 19 9 . O ens R. Olson and S. Dies 1990 an Horn Archaeological Associates Sun City CA. 1991 C.E. Drover D.M. Smith . . Buc ley and . Schic ler Christo her Drover Santa Ana CA.	RI-01900 RI-02943 RI-031 4 RI-0337	Riverside	SA ACI O			
P-33-00334	CA-RI -00334		o	o				Prehistoric			ot or ublication	Un no n				19 7 Barry R. eidtch Archaeological Research Unit UC Riverside CA. 200 M. Dice Michael Brandman Associates Irvine CA.	RI-02171 RI-02 7	Riverside	SU MEAD			
P-33-00392	CA-RI -00392		o	o	Other - IRI-PO -1			Historic				o				19 9 S. illiams E. Crabtree 19 9 S. illiams E. Crabtree 1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover	RI-0337	Riverside	SA ACI O			
P-33-004322	CA-RI -004322		o	o	Other - PC-2			Prehistoric			ot or ublication	o				1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover 1 9 1 Iron ood Ln. Santa Ana CA 9270	RI-0337	Riverside	SA ACI O			
P-33-004323	CA-RI -004323		o	o	Other - PC-3			Prehistoric			ot or ublication	o				1991 C.E. Drover D.M. Smith . . Buc ey . Schic ler Christo her Drover 1 9 1 Iron ood Ln. Santa Ana CA 9270	RI-0337	Riverside	SA ACI O			
P-33-00432	CA-RI -00432		o	o	Other - PC-			Prehistoric			ot or ublication	o				1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover 1 9 1 Iron ood Ln. Santa Ana CA 9270	RI-0337	Riverside	SA ACI O			
P-33-004327	CA-RI -004327		o	o				Prehistoric			ot or ublication	o				1991 Drover C.E. Smith D.M Buc ley and . Schic ler Christo her Drover 2007 Ahmet oral and Sara Bholat	RI-0337 RI-07412	Riverside	SA ACI O			
P-33-00432	CA-RI -00432		o	o	Other - PC-			Prehistoric			ot or ublication	o				1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover 1 9 1 Iron ood Ln. Santa Ana CA 9270	RI-0337	Riverside	SA ACI O			
P-33-004329	CA-RI -004329		o	o	Other - PC-9			Prehistoric			ot or ublication	o				1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover 1 9 1 Iron ood Ln. Santa Ana CA 9270 200 oral Ahmet and illiam Shar	RI-0337 RI-0 9	Riverside	SA ACI O			
P-33-004330	CA-RI -004330		o	o	Other - PC-10			Prehistoric			ot or ublication	o				1991 C.E. Drover D.M. S ith . . Buc ley . Schic ler Christo her Drover 1 9 1 Iron ood Ln. Santa Ana CA 9270	RI-0337	Riverside	SA ACI O			
P-33-004331	CA-RI -004331		o	o	Other - PC-11			Prehistoric			ot or ublication	o				1991 C.E. Drover D.M. Smith . . Buc ley . Schic ler Christo her Drover 1 9 1 Iron ood Ln. Santa Ana CA 9270	RI-0337	Riverside	SA ACI O			
P-33-0044 2	CA-RI -0044 2		o	o	Other - IRI-PO -10 Other - M D-II Reservoirs			Prehistoric			ot or ublication	Un no n				1990 M. Romano . Ba er		Riverside	SA ACI O			
P-33-00471	CA-RI -00471		o	o	Other - RC C-3			Historic			ot or ublication	o				1992 aho . Dames Moore 200 Marvin udith and Shannon Carmac LSA Associates Inc. 2009 Chimel . S. ilson and M. De iovine ICF ones Sto es	RI-03102 RI-07970 RI-0 374 RI-0 74	Riverside	BEAUMO EL CASCO LA E IE			
P-33-00 0 0	CA-RI -00 0 0		o	o				Historic			ot or ublication	o				1993 illiam Hayden and Carlton ones Archeological Resource Management Cor oration	RI-03 1	Riverside	EL CASCO			
P-33-00 0 1	CA-RI -00 0 1		o	o				Historic			ot or ublication	o				1993 illiam Hayden and Carlton ones Archeological Resource Management Cor oration 200 . San a Micheal Brandman Associates	RI-03 1	Riverside	EL CASCO			
P-33-00 0 2	CA-RI -00 0 2		o	o				Prehistoric			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 0 3	CA-RI -00 0 3		o	o				Prehistoric			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 0 4	CA-RI -00 0 4		o	o				Prehistoric			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 0	CA-RI -00 0		o	o				Prehistoric Historic			ot or ublication	o				1993 Dic en Everson Archeological Resarch Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 0 7	CA-RI -00 0 7		o	o				Historic			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 0	CA-RI -00 0		o	o				Historic			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 0 9	CA-RI -00 0 9H		o	o	Other - 1217S- H			Historic			ot or ublication	o				1993 Everson Dic en Archaeological Research Unit U C Riverside 200 Chimel . and S. ilson ICF ones Sto es	RI-03 1 RI-0 374	Riverside	BEAUMO			
P-33-00 070	CA-RI -00 070		o	o				Historic			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 071	CA-RI -00 071		o	o				Historic			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside	RI-03 1	Riverside	BEAUMO			
P-33-00 072	CA-RI -00 072H		o	o	Other - 1217-11H			Historic			ot or ublication	o				1993 Everson Dic en Archaeological Research Unit U C Riverside 200 ilson S. and . Chimel ICF ones Sto es	RI-03 1 RI-0 374	Riverside	BEAUMO			
P-33-00 073	CA-RI -00 073H		o	o	Other - 1217-12H			Historic			ot or ublication	o				1993 Everson Dic en Archaeological Research Unit U C Riverside 2009 Chimel . and S. ilson ICF ones Sto es	RI-03 1 RI-0 707 RI-0 374	Riverside	BEAUMO			
P-33-00 07	CA-RI -00 07		o	o	Other - SRI-3440 Other - 1217-14H			Historic			ot or ublication	o				1993 Dic en Everson Archeological Research Unit UC Riverside 2011 Scott rem au SRI	RI-03 1	Riverside	BEAUMO			
P-33-00 094	CA-RI -00 094		o	o	Other - B- -1-1			Prehistoric			ot or ublication	es				1993 . Schneider l Antanaitis C. rimble De artment o Anthro ology U L 91 4	RI-03900 RI-0 172	Riverside	MALAPAI HILL			
P-33-00 092			o	o				Prehistoric			ot or ublication	o				1990 C. Drover	RI-0279	Riverside	LA UI A			
P-33-00 093			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside Country Historical Comm.		Riverside	BEAUMO			
P-33-00 094			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 09			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 09			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 097			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 09			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 099			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 100			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm		Riverside	BEAUMO			
P-33-00 101			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 102			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 103			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.	RI-091 7	Riverside	BEAUMO			
P-33-00 104			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 10			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 10			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 107			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.	RI-091 7	Riverside	BEAUMO			
P-33-00 10			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 109			o	o			Building	Historic			ot or ublication	Un no n				19 3 E. Burton Riverside Country Historical Comm.	RI-091 7	Riverside	BEAUMO			
P-33-00 110			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 111			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm		Riverside	BEAUMO			
P-33-00 112			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 113			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 114			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm		Riverside	BEAUMO			
P-33-00 11			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 11			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 117			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 11			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 119			o	o			Building	Historic			ot or ublication	Un no n				19 3 M. Roberts Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 120			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 121			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 122			o	o			Building	Historic			ot or ublication	Un no n				19 3 M. Roberts Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 123			o	o			Building	Historic			ot or ublication	Un no n				19 3 M. Roberts Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 124			o	o			Building	Historic			ot or ublication	Un no n				19 3 M. Roberts Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 12			o	o			Building	Historic			ot or ublication	Un no n				19 3 . amer Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 12			o	o			Building	Historic			ot or ublication	Un no n				19 3 . amer Riverside Country Historical Comm.		Riverside	BEAUMO			
P-33-00 127			o	o			Building	Historic			ot or ublication	Un no n				19 3 . amer Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 12			o	o			Building	Historic			ot or ublication	Un no n				19 3 . amer Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 129			o	o			Building	Historic			ot or ublication	Un no n				19 3 . Bronson Riverside County Historical Comm.		Riverside	BEAUMO			
P-33-00 130			o	o				Historic			ot or ublication	Un no n				19 3 im amer Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 131			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 132			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 141			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 142			o	o				Historic			ot or ublication	o				19 3 Margaret Roberts Riverside County Historical Commission		Riverside	BEAUMO			

S	T S	R	I V	I M	I		R T	A	I	A	R	R	A	F	R	R E	R		M	A	LSS	UTM
P-33-00 143			o	o				Historic			ot or ublication	Un no n				19 3 Margaret Roberts Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 144			o	o				Historic			ot or ublication	o				19 3 Margaret Roberts Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 14			o	o				Historic			ot or ublication	o				19 3 im amer Riverside County Historical Commission	RI-01010	Riverside	BEAUMO			
P-33-00 14			o	o				Historic			ot or ublication	o				19 3 Margaret Roberts Riverside County Historical Commission	RI-0 97	Riverside	BEAUMO			
P-33-00 14			o	o				Historic			ot or ublication	o				19 3 Margaret Roberts Riverside County Histroical Commission		Riverside	BEAUMO			
P-33-00 149			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1 0			o	o				Historic			ot or ublication	o				19 3 Margaret Roberts Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1 1			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1 2			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1 3			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1 4			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission	RI-091 7	Riverside	BEAUMO			
P-33-00 1 7			o	o				Historic			ot or ublication	o				19 3 en Bronson Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1			o	o				Historic			ot or ublication	o				19 3 im amer Riverside County Historical Commission		Riverside	BEAUMO			
P-33-00 1 9			o	o				Historic			ot or ublication	o				19 3 im amer Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1 0			o	o	Other - Sones Home			Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1 1			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1 2			o	o				Prehistoric			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1 3			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1 4			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1 7			o	o				Historic			ot or ublication	o				19 3 im amer Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 1			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.	RI-091 7	Riverside	BEAUMO			
P-33-00 1 9			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 170			o	o	Other - Bogart House			Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 171			o	o				Historic			ot or ublication	o				19 3 im amer Riv. Co. Historical Comm.		Riverside	BEAUMO			
P-33-00 172			o	o				Historic			ot or ublication	o				19 3 en Bronson Riv. Co. Historical Comm.		Riverside	BEAUMO			
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P-33-011 0			o	o			Other	Historic										Riverside	BEAUMO			
P-33-01230			o	o			Other	Prehistoric									RI-03 1	Riverside	BEAUMO			
P-33-012307			o	o			Other	Prehistoric									RI-03 1	Riverside	BEAUMO			
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P-33-013 29			o	o				Historic			ot or ublication	o				2004 Harris . Harris Arch. Cons.		Riverside	BEAUMO			
P-33-01 243			o	o				Historic			Unrestricted	o				200 Marvin udith and Shannon Carmac LSA Associates Inc.	RI-07970	Riverside	BEAUMO	14023 iele Road Beaumont		
P-33-01 41	CA-RI -00 12		o	o	Other - SRI-13			Prehistoric			ot or ublication	o				200 Bholat S. . ones and . Melis a Statistical Research Inc. 2011 Scott rem au SRI	RI-0	Riverside	LA E ELSI ORE			
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P-33-01 73			o	o				Historic			ot or ublication	o				200 . San a Michael Brandman Associates		Riverside	EL CASCO			
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P-33-GR0722	CA-RI -030 44		o	o	Other - SRI-3642			Historic			or or ublication	o				2011 ashua ism ier Statistical Research Inc.		Riverside	BEAUMO			
P-33-GR072	CA-RI -030 47		o	o	Other - SRI- 003			Historic			or or ublication	o				2011 ashua ism ier Statistical Research Inc.		Riverside	BEAUMO			
P-33-GR30			o	o	Other - LSA-SCE11D-I-13			Historic			or or ublication	Un no n				2012 L. Davidson R. ood in and B. Smith LSA Associates Inc		Riverside	HI E A ER			
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P-33-GR34			o	o	Other - LSA-SCE-1I0-S- 3			Historic			Unrestricted	Un no n				2010		Riverside	BEAUMO			
P-33-GR34 7			o	o	Other - LSA-SCE11-S- 4			Historic			Unrestricted	Un no n				2010		Riverside	BEAUMO			
P-33-GR34			o	o	Other - LSA-SCE11-S-			Historic			Unrestricted	Un no n				2010		Riverside	BEAUMO			
P-33-GR34 9			o	o	Other - LSA-SCE11-S-			Historic			Unrestricted	Un no n				2010		Riverside	BEAUMO			
P-33-GR3493			o	o	Other - LSA-SCE11-S-90			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3494			o	o	Other - LSA-SCE11-S-91			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR349			o	o	Other - LSA-SCE11-S-92			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR349			o	o	Other - LSA-SCE11-S-93			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3497			o	o	Other - LSA-SCE11-S-94			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR349			o	o	Other - LSA-SCE11-S-9			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3499			o	o	Other - LSA-SCE11-S-9			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 00			o	o	Other - LSA-SCE11-S-97			Historic			or or ublication	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 01			o	o	Other - LSA-SCE11-S-9			Historic			or or ublication	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 02			o	o	Other - LSA-SCE11-S-99			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 03			o	o	Other - LSA-SCE11-S-100			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 04			o	o	Other - LSA-SCE11-S-101			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 0			o	o	Other - LSA-SCE11-S-102			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
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P-33-GR3 11			o	o	Other - LSA-SCE11-S-10			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
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P-33-GR3 1			o	o	Other - LSA-SCE11-S-113			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 17			o	o	Other - LSA-SCE11-S-114			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 1			o	o	Other - LSA-SCE11-S-11			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 19			o	o	Other - LSA-SCE11-S-11			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 20			o	o				Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 22			o	o	Other - LSA-SCE11-S-119			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 23			o	o	Other - LSA-SCE11-S-120			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR3 2			o	o	Other - LSA-SCE11-S-122			Historic			Unrestricted	Un no n				2013		Riverside	BEAUMO			
P-33-GR 27			o	o	Other - LSA-SCE11-S-124			Historic			Unrestricted	Un no n				2010		Riverside	BEAUMO			
P-33-GR3 2			o	o	Other - LSA-SCE11-S-12			Historic			Unrestricted	Un no n				2010		Riverside	BEAUMO			
P-33-GR4	CA-RI -012203		o	o				Historic			or or ublication	o				2014 R. Cunningham and S. Intergrent ECORP Consulting Inc.	RI-09 2	Riverside	SA ACI O	Beaumont 92223	4S R1 o E o Sec. 3 SBBM	
P-33-GI 30			o	o	Other - 3070 Date St		Building	Historic	Survey Other	HPR2: Single amily m erly AH32: Foundation/structure ads	Unrestricted	o				2001 an Ottashay P CR Services Cor oration		Riverside	RI ERSIDE EAS	3070 Date St Riverside 92 07 AP rA		
P-33-GI 49	CA-RI -032 0		o	o	Other - Beaumont Pla a 1 BP-1		Site	Historic	Survey		Unrestricted	o				201 JM Sin a and . ilian L. Lonvironmental Inc.		Riverside	BEAUMO	IA Beaumont 92228 AP rA	3S R1 S o o Sec. 10 SBBM	Zone 11 0203mE 37 3943m AD 3	

Attachment C (Confidential)

LACM Paleontological Records Search Results

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007
tel 213.763.DINO
www.nhm.org

NATURAL HISTORY MUSEUM
LOS ANGELES COUNTY

Research & Collections

e-mail: paleorecords@nhm.org

March 5, 2021

Dudek
Attn: Sarah Siren

re: Paleontological resources for the Beaumont Battery Energy Storage Project (PN 13279.01)

Dear Sarah:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Beaumont Battery Energy Storage project area as outlined on the portion of the Beaumont USGS topographic quadrangle map that you sent to me via e-mail on February 26, 2021. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County.

Locality Number	Location	Formation	Taxa	Depth
LACM VP 7618-7622; LACM VP CIT 132-133	San Timeteo Badlands, N and S of Hwy 60; E of Moreno and NW of Eden Hot Springs	San Timeteo Formation (chalky clay)	Horse family (Equidae); Camel family (Camelidae)	Unknown
LACM IP 437	West side of Castile Canyon, north of the Soboba Indian Reservation	unknown formation	Invertebrates – insect (*Sobobapteron kirkbaye*), brachiopod (*Terebratalia hemphili*)	Unknown
LACM VP 1269	Near intersection of Varner Road and Edom Hill Road; west end of Indio Hills	Unknown formation (Pleistocene)	Horse (*Equus*)	Unknown
LACM VP 7261	Skinner Reservoir, Auld Valley	Unknown formation (Pleistocene, arenaceous silt)	Elephant family (Proboscidea); ungulate (Ungulata)	Unknown
LACM VP 6059	Overflow area just east-southeast of Lake Elsinore	Unknown formation (Pleistocene)	Camel (Camelidae)	Unknown

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the Natural History Museum of Los

Angeles County ("NHMLA"). It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,



Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice

Appendix D

Geotechnical Investigation Report

Geotechnical Investigation Report

Beaumont Energy Storage

Battery Energy Storage System

Riverside County, CA

April 21, 2021

PREPARED FOR:

TERRA-GEN

PREPARED BY:

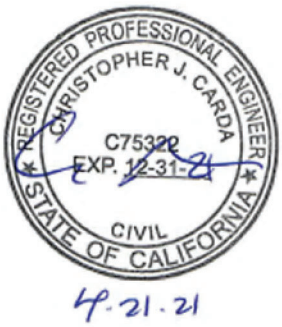
Westwood

Westwood

Geotechnical Investigation Report

Beaumont Energy Storage

Riverside County, CA



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Executive Summary

Westwood Professional Services (Westwood) is pleased to present this geotechnical investigation report to Terra-Gen, LLC for the proposed Beaumont Energy Storage Project (Project) located in Beaumont, California. The project area is located within a vacant 7 acre lot, a portion of which is a fenced in gravel area. An existing substation is located to the north.

The scope of work for this investigation included subsurface exploration, field and laboratory testing, engineering analysis, and preparation of this report. The geotechnical investigation has revealed no subsurface conditions that would preclude development of the proposed battery energy facility.

The project site is located within a seismically active area of California, with one mapped fault located within the boundary of the project site. The site does not lie within an Alquist-Priolo fault zone, where surface rupture may be expected. There are several additional active faults and seismic zones within the vicinity of the project site, and several magnitude 4.0+ earthquakes have occurred within the last 50 years that would have likely been felt at the project site. The design of structures on site should account for seismic loads in accordance with the California Building Code.

Based on the information obtained from five soil borings performed on site to a maximum depth of 41.5 feet, the subsurface conditions predominately consist of medium dense to dense sand with variable amounts of silt and clay. Interbedded layers of very stiff lean to fat clay and silt were also encountered at various depths on site. All borings reached their target depths of 25 ft to 40 ft without refusal. Groundwater was not encountered in any of the borings.

Shallow spread footings and pad/mat foundations shall bear a minimum 1 foot below the ground surface on properly prepared native sandy material. The design of large slab-on-grade equipment foundations (i.e., 10 to 20 feet wide) may use a maximum allowable gross bearing capacity of 4,000 psf, and strip footing foundations (i.e., 4 feet wide) may use a maximum allowable gross bearing capacity of 3,000 psf. Deep foundations, such as drilled piers or shafts, may also be used to support project structures.

This executive summary should be read in the context of the entire report for a full understanding of the conclusions and recommendations.

1.0 Introduction

This report presents the findings of the geotechnical investigation conducted by Westwood Professional Services, Inc. (Westwood) for the proposed Beaumont Energy Storage Project (Project). The project will consist of battery storage containers and the associated civil and electrical infrastructure. The primary focuses of this report are earthwork considerations, access roads, and foundations for the battery storage equipment. The services provided by Westwood were in general conformance with the scope of work and assumptions outlined in our proposal, dated December 8, 2020. This report is intended for exclusive use by Terra-Gen to support foundation, civil, and electrical design efforts for the proposed Beaumont Energy Storage Project.

The proposed project is located in Riverside County, California. The project area (Exhibit 1) is located within a vacant 7 acre lot containing a fenced in gravel lot and undeveloped grassland. The project site is adjacent to an existing substation. The topography of the project area is generally flat, although the eastern portion of the site slopes slightly downward and the northern portion of the site lies several feet above the adjacent road elevation.

2.0 Methods

A geotechnical exploration program consisting of soil borings and laboratory testing was performed by Westwood. Choice Drilling (Choice) of Pacoima, CA was retained by Westwood to perform soil borings with standard penetration tests (SPT). Westwood performed laboratory index testing and Soil Engineering Testing (SET) of Bloomington, MN performed thermal resistivity testing. A Westwood geotechnical representative coordinated the field work and laboratory testing, logged the soil borings, performed electrical resistivity tests, and prepared this report. The geotechnical field investigation was performed on December 14, 2020, and consisted of the following:

- Conducting soil borings with SPT sampling at four locations (B-01 through B-04) to target depths of 25 ft, and at one location (B-05) to a target depth of 40 ft below ground surface (bgs), or auger refusal, whichever was shallower.
- Classifying and collecting soil samples from the soil borings for laboratory testing.
- Conducting an electrical resistivity test at one location.

Geotechnical test locations are shown on Exhibit 1. Test locations were selected by Westwood after a review of the site accessibility, proposed layout, and local geologic mapping to provide spatial coverage of the proposed site and cover the anticipated subsurface variation. All test locations were surveyed and staked by a Westwood representative with a hand-held GPS, and as-built coordinates are provided on the associated boring logs (Appendix A) and electrical resistivity test reports (Appendix B).

Soil Borings

Soil borings were drilled using hollow stem auger drilling techniques, and soil samples were obtained using an automatic hammer and split-spoon samplers in general accordance with ASTM D1586 (Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils). Standard penetration test (SPT) N-values are recorded on boring logs. In general, soil samples were collected every 2.5 feet in the upper 15 feet and at 5-foot intervals thereafter to the explored depth. A Westwood geotechnical representative logged the borings and collected the soil samples. A bulk soil sample as also collected

from shallow auger cuttings for laboratory testing. Soil samples were shipped to Westwood and SET for testing at their geotechnical laboratories. Soil boring logs are included in Appendix A.

Laboratory Testing

Laboratory tests were conducted on representative soil samples to aid in classification and evaluation of the physical properties and engineering characteristics of the material. Soil and bulk samples were sent to Westwood and SET, which included the following:

- Moisture content (ASTM D2216)
- Sieve analysis (ASTM D422 and D1140)
- Atterberg limits (ASTM D4318)
- Modified Proctor moisture-density relationship (ASTM D1557)
- pH (ASTM D4972)
- Sulfates (ASTM C1580)
- Chlorides (ASTM D512)
- Thermal resistivity with dry-out curves (ASTM D5334)

A bulk sample collected for thermal resistivity tests were prepared near the as-received moisture contents and compacted to 90% of the modified Proctor maximum dry density (MDD), representing the compaction conditions typical of a backfilled utility trench, and subsequently dried out to zero moisture. Thermal resistivity measurements were taken at the compacted moisture content, zero moisture, and at several intermediate moisture contents during drying. Results of the thermal resistivity tests are included in Appendix C, along with a summary of laboratory testing results.

Electrical Resistivity Testing

Electrical resistivity measurements were taken at one test location, as shown on Figure 1, and collected using the Wenner Four-Electrode Method and an AEMC Instruments Model 6470-B Multi-Function Digital Ground Resistance Tester, in general accordance with ASTM G57. Resistivity tests were performed along a northeast-southwest transect due to site constraints, at electrode spacings of 2, 4, 6, 8, 10, 20, 30, 50, and 100 feet, and a northwest-southeast transect at electrode spacings of 2, 4, 6, 8, 10, 20, 30, 50, and 80 feet. Electrical resistivity generally varies with material type and moisture content, and ranges on site between 3,640 ohm-cm (Ω-cm) and 22,020 Ω-cm. These observed values fall within the expected range for sand and clay mixtures (Palacky, 1987). Results of the electrical resistivity tests are presented in Appendix B.

Thermal Resistivity Testing

A thermal resistivity dry-out curve was developed for one shallow soil sample collected at boring B-05 between 2 and 5 feet during the geotechnical field investigation. Thermal resistivity generally varies with soil type and moisture content and ranged on site from 76 °C·cm/W (as-received) to 172 °C·cm/W (dry). Results of the thermal resistivity tests are included in Appendix C. The underground cable designer shall choose an appropriate thermal resistivity (rho) value for trench backfill with consideration for soil drying due to environmental factors as well as cable heat generation.

3.0 Site Conditions

Regional Geology and Climate

The Beaumont Energy Storage Project is located within the Los Angeles Ranges Physiographic Section of the Pacific Border Province, which is part of the greater Pacific Mountain System Division (USGS, 2013). This section encompasses the San Gabriel Mountain Range which spans north and west of Los Angeles to Santa Clarita, north and east to Palmdale, east to Victorville, and finally south to Rancho Cucamonga. The Pacific Border Province can be divided into two distinct topographical areas, consisting of the lowlands and the mountains (NPS, 2021). One set of mountains is the California Coast Ranges. These mountains consist mostly of Cretaceous sedimentary and metamorphic rocks as well as Mesozoic granitic intrusions and have been deformed by ongoing faulting, including the well-known San Andreas Fault Zone (NPS, 2021).

Based on Web Soil Survey data available through the United States Department of Agriculture, one major soil type exists across the site: Ramona sandy loam (USDA, 2021). The parent material of this soil unit is alluvium derived from granite. The Ramona sandy loam classifies as silty sand (SM) to clayey sand (SC) and is well drained. Mapped Soil Survey units are shown in Exhibit 3.

According to the Geologic Map of California, the project area is mapped as older Quaternary alluvium and marine deposits (Jennings et al., 2010). This geologic unit consists mostly of older alluvium, lake, playa, and terrace deposits; is unconsolidated; and dates to the Pleistocene epoch (Jennings et al., 2010). Geologic units are shown in Exhibit 4.

The project area falls within the “Mediterranean” climate zone (Csa), as defined by the Köppen climate classification (Geiger, 1954). This climate is characterized by warm and dry summers, followed by rainy and mild winters that still contain many sunny days (Arnfield, 2021).

Seismicity

Riverside County, and the project site specifically, is at high risk for seismic activity, as demonstrated by nearby seismic events that have occurred in the past 50 years, as shown in Exhibit 5. In the past 50 years, there have been greater than 30 earthquake events greater than 4.0 magnitude (and over 1,500 greater than 2.5 magnitude) within about 20 miles of the project area (USGS, 2021b). The largest earthquake in the vicinity was a magnitude 4.9 event in 2005 that occurred about 9 miles north of the project area (USGS, 2021b). The most recent event (greater than magnitude 4.0) was a magnitude 4.5 event in May 2018 that occurred about 14 miles northeast of the project area (USGS, 2021b).

There are several quaternary faults mapped by the USGS that are within or in the near vicinity of the project area, as shown in Exhibit 5. The nearest is the Beaumont Plain fault zone, which runs nearly through the project site (USGS, 2021a). The San Gorgonio Pass fault zone and Banning fault are located about 3 to 4 miles north of the project site, while the San Andreas fault zone is located about 9 miles north to northeast (USGS, 2018). The project area is not mapped within a zone which requires additional seismic study by the California Building Code (i.e., Alquist-Priolo earthquake fault zone), as shown on Exhibit 6 (CGS, 2010; ICC, 2019). Liquefaction potential is considered low considering the depth to groundwater and generally medium dense to dense nature of the sand encountered.

At the time of this report the State of California has adopted the 2019 California Building Code with amendments (ICC, 2019). The maximum considered earthquake spectral response accelerations presented in Table 3.1 below should be considered in design of site infrastructure (ATC, 2021).

Table 3.1 Seismic Design Parameters

Parameter	Design Value
Reference	2019 CBC
Site Class	D
Coordinates (Lat., Long.)	33.924480, -116.987610
Mapped Spectral Acceleration for Short (0.2 sec) Periods, S_s	1.647 g
Mapped Spectral Acceleration for 1-second Periods, S_1	0.6 g
Acceleration-Based Site Coefficient, F_a	1
Velocity-Based Site Coefficient, F_v	1.7*
Max. Considered Spectral Response Acceleration, S_{MS}	1.647 g
Max. Considered Spectral Response Acceleration, S_{M1}	1.02 g*
Design Spectral Response Acceleration (Short Periods), S_{DS}	1.098 g
Design Spectral Response Acceleration (1-second Period), S_{D1}	0.68 g*
Peak Ground Acceleration, PGA	0.679 g

*See requirements for site-specific ground motions in Section 11.4.8 of ASCE 7-16, or geophysical tests may be performed to measure shear wave velocities and confirm seismic site class.

Subsurface Stratigraphy

Based on the conditions encountered at the soil boring locations, the general stratigraphic units found across the site can be described as follows:

- **Fill: Poorly Graded Sand and Gravel (SP to GP).** The surface of the fenced-in gravel lot consists of up to 4 inches of sandy gravel fill.
- **Poorly Graded Sand w/Silt (and Gravel) (SP-SM), Silty Sand (SM), Clayey Sand (SC).** The majority of borings encountered sand with variable amounts of silt and clay. This unit is typically reddish to yellowish brown, dry to moist, and ranges from loose to dense.
- **Silt w/Sand, Sandy Silt (ML), Elastic Silt w/ Sand (MH), Lean Clay w/Sand, Sandy Lean Clay (CL), Sandy Fat Clay (CH).** Interbedded within the sand at various borings were layers of fine-grained silt, elastic silt, lean clay, and fat clay, with variable amounts of sand. These units are typically brown to reddish brown, damp to moist, and range from stiff to hard.

More detailed descriptions of the subsurface conditions are provided on the boring logs found in Appendix A.

Groundwater

Boreholes were observed during and shortly after drilling for the presence and level of groundwater. During the investigation, a static groundwater level was not observed at any borehole. Well data made publicly available through the California Department of Water Resources has mapped multiple wells in the vicinity of the project area. Static water levels (historic through present) in the nearby area generally

range from 15 feet bgs (at a well location about 1.5 miles west of the project area) to greater than 100 feet bgs (California Department of Water Resources, 2021); therefore, groundwater is not expected to impact foundations for the project infrastructure. Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff, and other factors not evident at the time the boring were performed; therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than those observed during the investigation. Refer to Sections 4.1.2 and 4.1.3 for recommendations regarding water ponding in excavations due to precipitation events.

4.0 Discussion and Recommendations

4.1 General Earthwork Considerations

4.1.1 Clearing and Grubbing

Prior to site grading activities, existing vegetation, brush, large roots, topsoil, old foundations, boulders, uncontrolled fill, and abandoned underground utilities should be removed from the proposed battery storage and electrical component areas, as well as areas to receive fill. Areas disturbed during clearing and grubbing should be properly backfilled and compacted as described in Sections 4.1.4 and 4.1.5.

Topsoil or organic material encountered should not be used for structural fill and shall be stockpiled away from native excavated soil. This material may be used as fill in non-structural areas outside of the proposed facilities area where soil strength and compressibility would not impact site infrastructure.

4.1.2 Excavation Safety

Overburden soil and fill at the site can be excavated with conventional excavation equipment, such as backhoes, excavators, dozers, loaders, or scrapers. Excavations should be constructed using safe side slopes unless adequately shored and/or braced as necessary for construction and safety. Per Occupational Safety and Health Administration (OSHA) Part 1926, the sandy soil at the site may generally be inferred to be a Type C soil although it is the responsibility of the competent field personnel to verify in-situ conditions during construction. Excavations should be constructed in conformance with applicable federal, state, and local standards.

4.1.3 Water Control

It is not anticipated that groundwater will accumulate in the excavations on site unless work is performed during a period of high precipitation; however, should any precipitation, ground water, or surface water collect in the excavations, the water should be removed prior to the placement of fill or foundations. Temporary sumps and pumps may be required to remove any collected water. The foundation subgrade should be inspected by the construction-phase geotechnical engineer, or their representative, after excavation and before placement of materials to verify water control.

4.1.4 Subgrade Preparation

After clearing and grubbing, exposed areas to receive fill, including the subgrade below foundation excavations and road aggregate, should be moisture conditioned as needed and compacted to 92% of the modified Proctor maximum dry density (ASTM D1557). The depth of subgrade compaction should extend at least 1 foot. Subgrade should also be inspected by the construction-phase geotechnical engineer, or their representative, to ensure adequate bearing capacity and water control. Foundations should not bear directly on loose sand, and where encountered, the subgrade should be re-compacted to a depth of 1 foot below the bearing elevation. Foundations should bear on a uniform sand or lean clay subgrade, and should not bear on fat clay, such as near B-03, due to swell potential. Where fat clay is encountered below shallow foundations, it should be over-excavated to a depth of at least 2 feet below foundation or 3 feet below grade, whichever is deeper, and backfilled with structural fill in accordance with Section 4.1.5. Foundation subgrade should also be inspected by the construction-phase geotechnical engineer, or their representative, to ensure adequate bearing material, strength, and water control.

Disturbance to subgrades prepared for foundations, access roads, and other areas to be filled should be minimized. Repeated traffic loading and excessive moisture due to precipitation may degrade subgrade soil. Where unsuitable subgrade, such as loose sand or soft clay, is encountered, the subgrade should be moisture conditioned and re-compacted as described above, or replaced with structural fill as discussed in Section 4.1.5.

4.1.5 Fill Placement and Compaction

The native sand encountered throughout the site may be used as general fill and may be suitable for backfilling around and above foundations, provided that all compaction requirements are met. Native sand used as structural fill or foundation backfill should be free of foreign debris, organics, frozen material, and particles or clods larger than 3 inches. Native silt or clay should not be used as structural fill below foundations. Structural fill below foundations should be moisture conditioned as needed and compacted to a minimum of 95% of the modified Proctor maximum dry density (ASTM D1557) in maximum 12-inch thick loose lifts.

Trenches may be backfilled using native material, provided that it is screened of particles or clods larger than 3/8” and moisture conditioned to near optimum moisture content and compacted to a minimum of 85% of the modified Proctor maximum dry density (ASTM D1557) in non-structural areas and 95% of the modified Proctor maximum dry density in structural areas (i.e., within 5 feet of foundations and below access roads).

4.1.6 Cut and Fill Slopes

Cut and fill slopes using native soil may be designed at an inclination of 4H:1V or flatter. Fill slopes should be constructed in horizontal lifts in accordance with the recommendations in Section 4.1.5. Appropriate erosion control measures (e.g., vegetation or erosion control matting) should be implemented immediately after cut and fill slopes are constructed to reduce the potential for erosion.

Steeper cut and fill slopes may be acceptable if adequate erosion control and/or reinforcement are utilized. Additional testing and/or analyses may be required for steeper slopes. Westwood should be consulted if steeper slopes are desired.

General Foundation Considerations

4.2.1 Frost Depth

Areas experiencing ground freezing conditions can be susceptible to frost heave. San Bernardino, California is expected to have less than 12 inches of extreme frost depth (Naval Facilities Engineering Command, 1986). Although frost heave is not expected to affect foundation design, foundations should bear a minimum of 12 inches below grade for adequate confinement and protection.

4.2.2 Soil Corrosivity

The chemical constituent test results indicate that the soil has a pH range of 6.9 to 7.4, which is considered neutral to slightly alkaline (NRCS, 1998). Soluble sulfates were measured to be less than 12.9 mg/kg, and soluble chlorides were measured to be as high as 82.3 mg/kg. Test results are presented in Appendix C and summarized in the Lab Test Summary Table. The foundation engineer should take these results into consideration when evaluating corrosion rates, along with electrical resistivity, soil type, and moisture content.

Foundation Recommendations

4.3.1 Shallow Foundations

Results of the investigation suggest that shallow spread/strip footings and mat foundations are feasible at this site. It is assumed that the pads and mat foundations supporting electrical equipment will bear at least 1 foot below grade. Provided the recommendations of this report are followed, including over-excavating fat clay and compacting loose subgrade in accordance with Sections 4.1.4 and 4.1.5, the design of large slab-on-grade equipment foundations (i.e., 10 to 20 feet wide) may use a maximum allowable gross bearing capacity of 4,000 psf, and strip footing foundations (i.e., 4 feet wide) may use a maximum allowable gross bearing capacity of 3,000 psf.

A total estimated settlement of less than 1 inch is anticipated for shallow foundations. Differential settlement can generally be assumed to be ½ to ¾ of the total settlement. Seismic shaking, however, can induce additional settlement. Proper drainage should be provided around foundations to minimize the potential for foundation movement. Shallow foundations should be reinforced as necessary to reduce the potential for damage caused by differential movement.

A friction factor of 0.4 may be used for the ultimate frictional resistance to lateral sliding along the base of footings founded on compacted structural fill. A minimum factor of safety of 1.5 is recommended to determine the allowable frictional resistance to lateral sliding.

A vertical modulus of subgrade reaction of 125 pounds per cubic inch (pci) may be used for mat foundations bearing on dense native sand and gravel. This vertical modulus of subgrade reaction

represents a 1 foot square foundation and should be modified as needed for larger foundation sizes.

4.3.2 Drilled Pier/Shaft Foundations

Various electrical equipment or tower structures may also be supported on concrete piers/shafts. Piers should have a minimum diameter of 18 inches. Consideration should be given to the potential for sloughing of the sandy soil in open boreholes, and some form of casing may be required to maintain borehole sidewalls.

4.3.2.1 Axial Capacity

Drilled shaft foundations will develop their capacity through a combination of skin friction and end bearing when in compression and skin friction alone when in uplift. Skin friction and end bearing values for concrete piers are provided in Table 4.1 below. These values are ultimate and do not include a safety factor, and an appropriate safety factor or resistance factor should be applied by the foundation engineer in accordance with applicable codes and standards. A safety factor of 2.0 is recommended when determining load bearing and uplift capacity.

Table 4.1 Drilled Shaft Axial Design Parameters

Depth Interval (ft)	Ultimate Skin Friction (psf)	Ultimate End Bearing (psf)
0 – 1	Ignore due to moisture changes and scour/erosion.	
1 – 5	150	NA
5 – 10	250	6,000
10 – 20	300	10,000
20 – 40	400	25,000

Consideration should be given to neglecting at least the upper 1 ft of embedment to account for the potential for erosion/scour, as shown in Table 4.1. Skin friction should be applied to the surface area of the pier, and end bearing should be applied to the full area at the bottom of piers in compression.

4.3.2.2 Lateral Capacity

The lateral capacity of drilled shaft foundations was evaluated with correlations to laboratory and field test results. The lateral response of the shafts may be modeled using the software programs LPile by Ensoft and MFAD by FAD Tools. The recommended soil model input parameters for design of drilled shafts for electrical component foundations within the proposed BESS yard (borings B-01 through B-04) and within the proposed switchyard location (boring B-05) are provided in Tables 4.2 and 4.3, respectively.

Table 4.2 Lateral Design Parameters within Proposed BESS Yard (B-01 through B-04)

Depth Interval (ft)	LPile Soil Model	Effective Unit Weight (pcf)	Friction Angle (deg)	Undrained Shear Strength (psf)	Deformation Modulus (ksi)
0 – 1	Ignore due to scour/erosion.				
1 – 15	Sand (Reese)	110	32	-	0.5
15 – 30	Sand (Reese)	110	34	-	1.2

Table 4.3 Lateral Design Parameters within Proposed Switchyard (B-05)

Depth Interval (ft)	LPile Soil Model	Effective Unit Weight (pcf)	Friction Angle (deg)	Undrained Shear Strength (psf)	Deformation Modulus (ksi)
0 – 1	Ignore due to scour/erosion.				
1 – 10	Stiff Clay w/o Free Water	120	-	3,500	1.5
10 – 40	Sand (Reese)	110	32	-	1.0

The recommendations in Tables 4.1, 4.2, and 4.3 are for piers installed at the existing grade at the time of the field investigation.

Access Roads

Access roads will be required during construction to accommodate construction equipment and deliveries. The access roads will also facilitate long-term operation and maintenance of the facility. These roads will be subjected to heavy loads, but only for limited duration and frequency. The suitability of the shallow site soil for use as access roads will depend primarily on the strength and moisture condition of the soil at the time the traffic occurs. The shallow soil on is generally considered adequate subgrade for gravel access roads. Access roads should have an aggregate surface to help ensure accessibility during wet conditions. In general, at least 6 inches of aggregate may be suitable to support construction traffic with an assumed subgrade CBR of 3.0, although subgrade strength can vary depending on moisture, strength, compaction effort, and soil type.

It is expected that aggregate-surfaced access roads will require ongoing maintenance to keep them in a serviceable condition, regardless of the aggregate thickness and subgrade preparation. It is not practical to design an aggregate section of adequate thickness that prevents ongoing maintenance. Ruts, depressions, and soft subgrade should be repaired as needed to facilitate traffic. Additional aggregate may be placed in ruts and depressions, or the entire aggregate section and soft subgrade may be removed and replaced with a new aggregate section.

Surface vegetation root zones and other soft or otherwise unsuitable material should be stripped from access roadways and the surface graded to provide positive drainage. In order to identify potentially unsuitable soil, the road subgrade or existing road surface should be compacted and subsequently proof-rolled with a fully loaded tandem axle or tri-axle truck with a minimum gross weight of 25 tons and minimum axle loading of 10 tons. Subgrade preparation should be monitored by a representative of the construction-phase geotechnical engineer at the time of construction. At locations where pumping or unacceptable rutting (i.e. greater than 1.5 inches) of the subgrade occurs, the soft/loose soil should be removed and replaced with properly compacted fill in accordance with Section 4.1.5.

Construction Considerations

To a large degree, satisfactory foundation and earthwork performance depends on construction quality control; therefore, subgrade preparation, subgrade compaction, proof-rolling, and placement and compaction of fill and backfill material should be observed and tested by qualified personnel. In addition, qualified staff who are experienced with the foundation design requirements should monitor and document foundation preparation and construction activities.

5.0 Limitations

This report has been prepared in accordance with generally accepted geotechnical engineering practice for the exclusive use of Terra-Gen, LLC for the Beaumont Energy Storage Project. The primary focus of this report are the typical site grading activities, foundations for the electrical equipment and battery storage containers, and access roads. Additional investigations and analyses may be necessary for other site infrastructure not specifically addressed in this report.

The borings are representative of the subsurface conditions at the sampled locations and intervals, and therefore do not necessarily reflect strata variations that may exist between sampled locations and intervals. If variations from the subsurface conditions described in this study are noted during construction, recommendations in this report must be re-evaluated. Any user of this report should verify all boring locations against the final location of the respective infrastructure to determine if infrastructure has moved prior to using the recommendations provided by Westwood. In the event that any changes in the nature, design, or location of the facilities are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and the conclusions of this report are modified or verified in writing by Westwood. Westwood is not responsible for any claims, damages, or liability associated with the interpretation of subsurface data by others.

After plans for the facility are completed in sufficient detail, a geotechnical engineer should be consulted regarding any additional subsurface information that may be required to arrive at additional recommendations for design and construction.

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Exhibits

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Data Source(s): Westwood (2021); ESRI WMS World Imagery, National Geographic, & World Streets Basemaps (Accessed 2021); Census Bureau (2019).

Legend

- Project Boundary
- Boring Location
- Electrical Resistivity Test Location

N

0 150 Feet

Beaumont BESS Project

Riverside County, California

Geotechnical Investigation Overview Map

EXHIBIT 1

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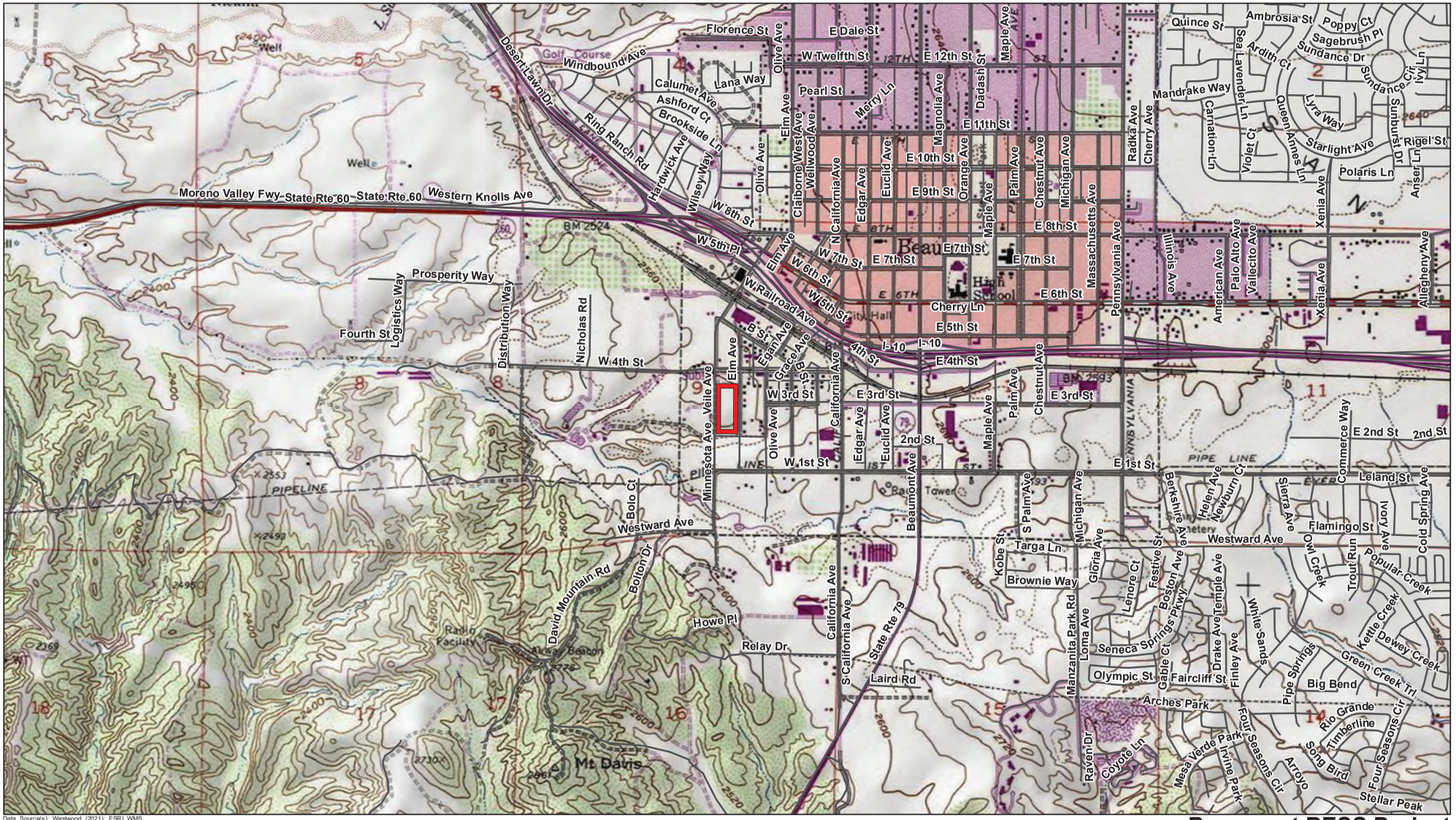

Data Source(s): Westwood (2021); ESRI WMS USA Topo Basemap (Accessed 2021); Census Bureau (2019).

Legend

- Project Boundary
- Named Census Road

N

0 Feet 1,500

Beaumont BESS Project

Riverside County, California

USGS Topography Map

EXHIBIT 2

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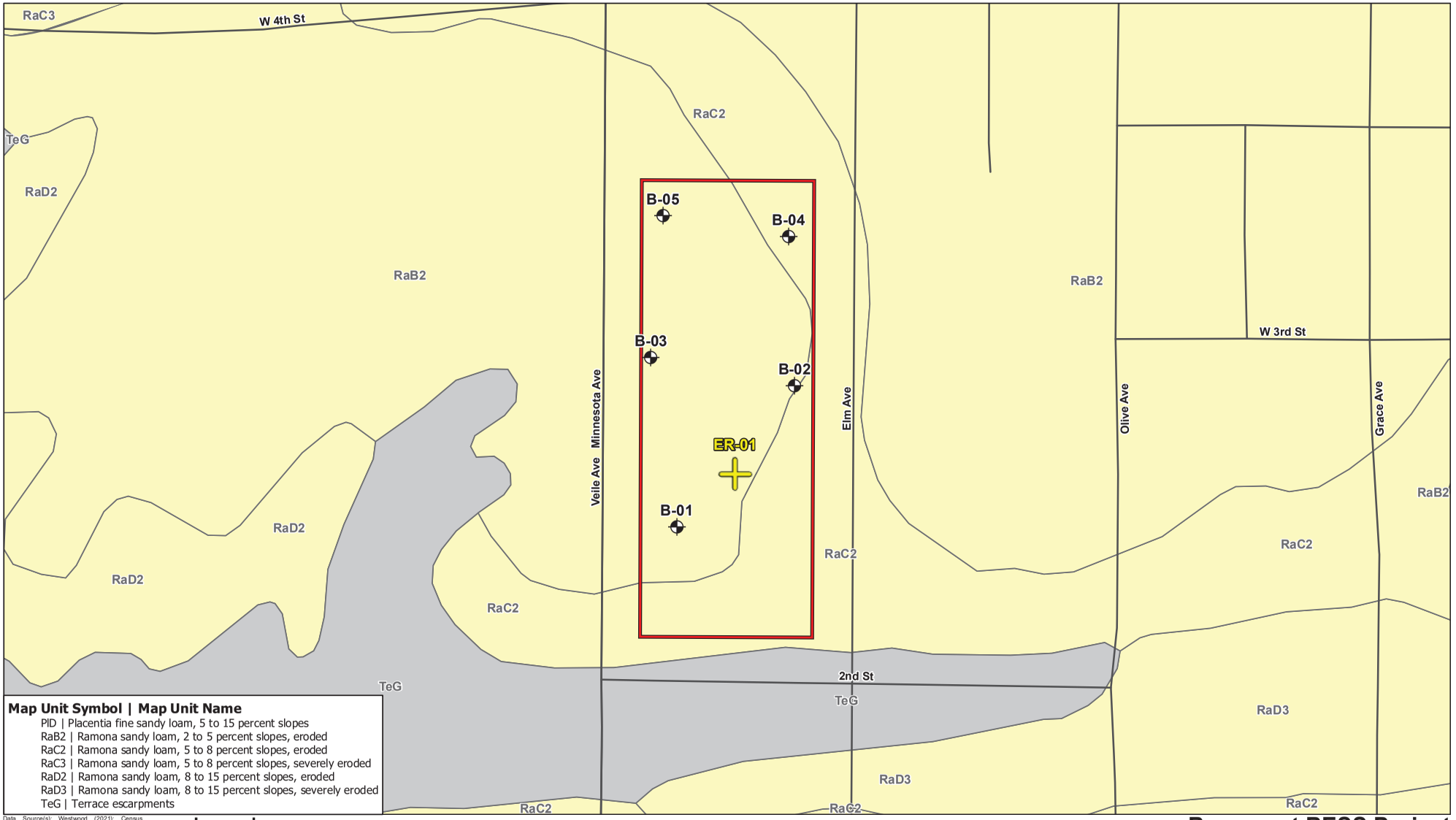

Map Unit Symbol | Map Unit Name

PID | Placentia fine sandy loam, 5 to 15 percent slopes
RaB2 | Ramona sandy loam, 2 to 5 percent slopes, eroded
RaC2 | Ramona sandy loam, 5 to 8 percent slopes, eroded
RaC3 | Ramona sandy loam, 5 to 8 percent slopes, severely eroded
RaD2 | Ramona sandy loam, 8 to 15 percent slopes, eroded
RaD3 | Ramona sandy loam, 8 to 15 percent slopes, severely eroded
TeG | Terrace escarpments

Data Source(s): Westwood (2021); Census Bureau (2019); U.S. Department of Agriculture, Natural Resources Conservation Service (2021).

Legend

- Project Boundary
- Named Census Road
- Boring Location
- Electrical Resistivity Test Location

Unified Soil Classification

- SM
- Classification Not Given

N

0 150 Feet

Beaumont BESS Project

Riverside County, California

Surficial Soils Map

EXHIBIT 3

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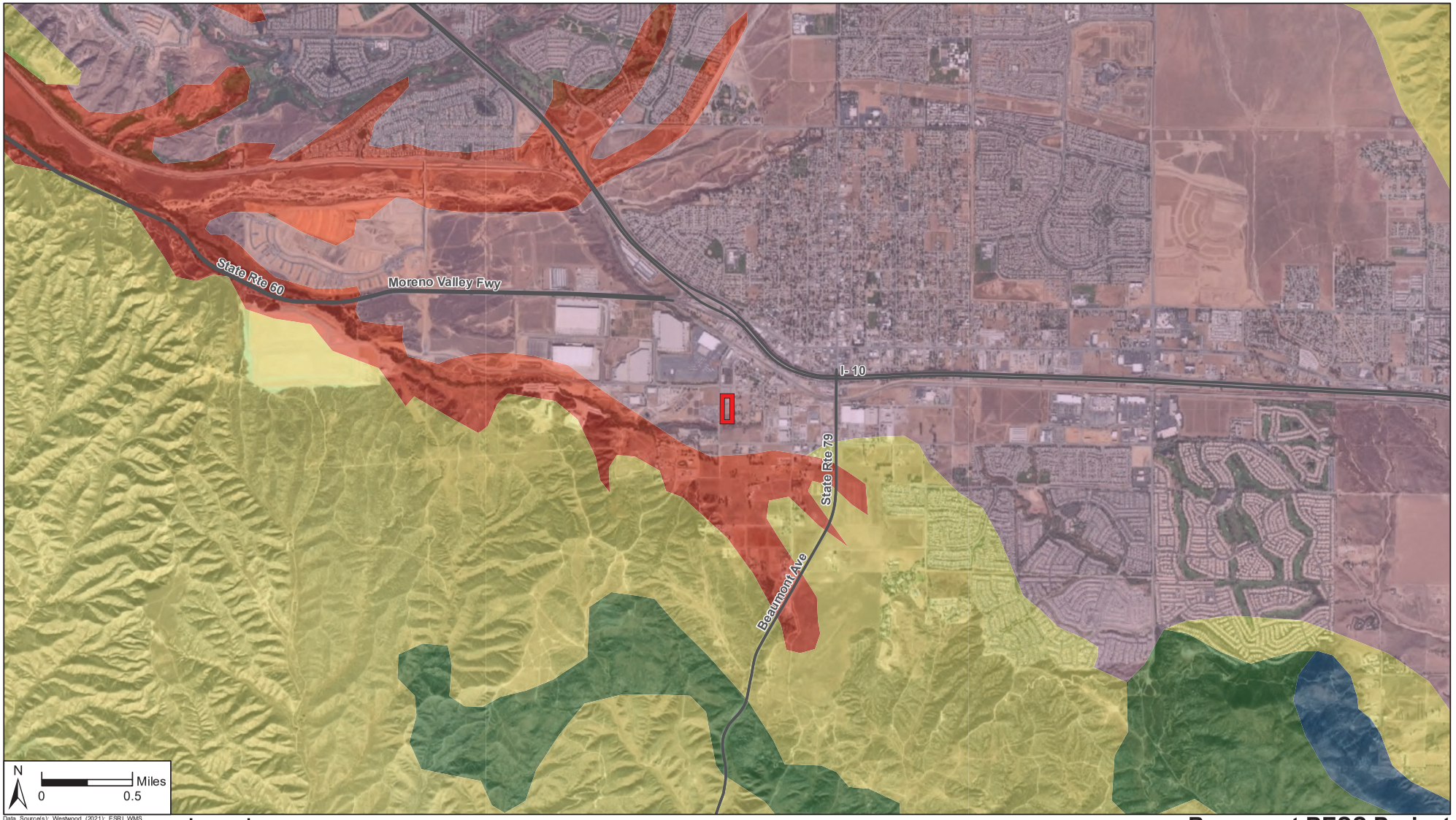

Data Source(s): Westwood (2021); ESRI WMS World Imagery (Accessed 2021); Census Bureau (2019); USGS (2018).

Legend

- Project Boundary
- Major Road

Geologic Unit Symbol | Geologic Unit Name | Geologic Unit Age

- Q | Quaternary alluvium and marine deposits | Phanerozoic - Cenozoic - Quaternary - Holocene
- QPc | Plio-Pleistocene and Pliocene loosely consolidated deposits | Phanerozoic - Cenozoic - Quaternary - Pleistocene
- Qoa | Older Quaternary alluvium and marine deposits | Phanerozoic - Cenozoic - Quaternary - Pleistocene
- grMz | Mesozoic granitic rocks, unit 2 (Peninsular Ranges) | Phanerozoic - Mesozoic - Cretaceous - Late-Cretaceous
- m | pre-Cenozoic metasedimentary and metavolcanic rocks undivided | Phanerozoic - Mesozoic - Cretaceous

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Beaumont BESS Project

Riverside County, California

Local Geology Map

EXHIBIT 4

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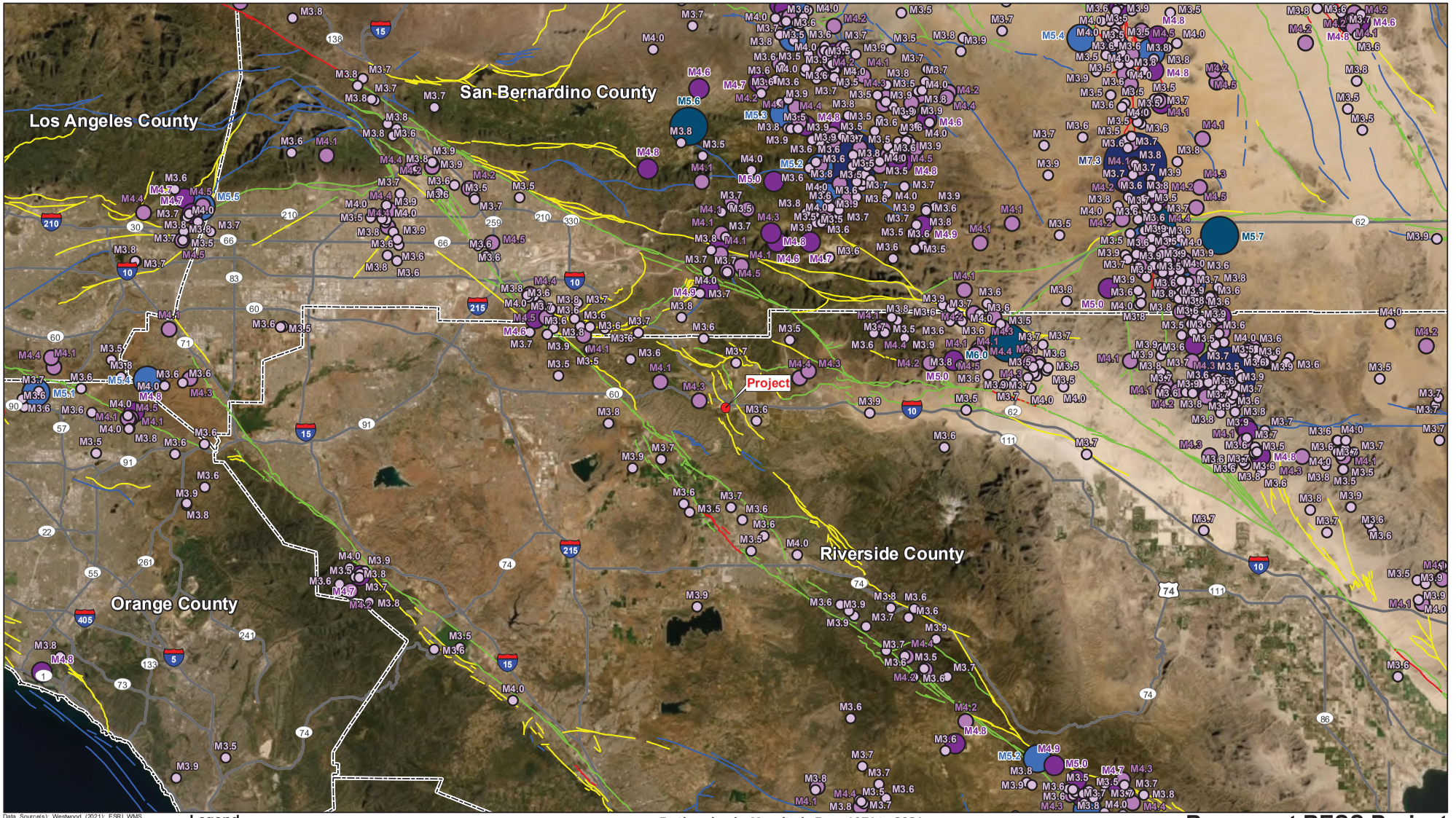

Data Source(s): Westwood (2021); ESRI WMS World Imagery Basemap (Accessed 2021); Census Bureau (2018); Department of Conservation, California Geological Survey (2010); USGS (2021).

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Legend

- Project Boundary
- County Boundary
- Major Highway
- Historic Displacement Fault Line (Last 200 Years)
- Holocene Quaternary Fault Line (Last 11,000 Years)
- Late Quaternary Fault Line (Last 750,000 Years)
- Undivided Quaternary Fault Line (Last 1.6 Million Years)

Earthquakes by Magnitude From 1971 to 2021

- 3.5-4.0
- 4.1-4.5
- 4.6-5.0
- 5.1-5.5
- 5.6-6.0
- >6.0

N

0 7 Miles

Beaumont BESS Project

Riverside County, California

Earthquake & Fault Map

EXHIBIT 5

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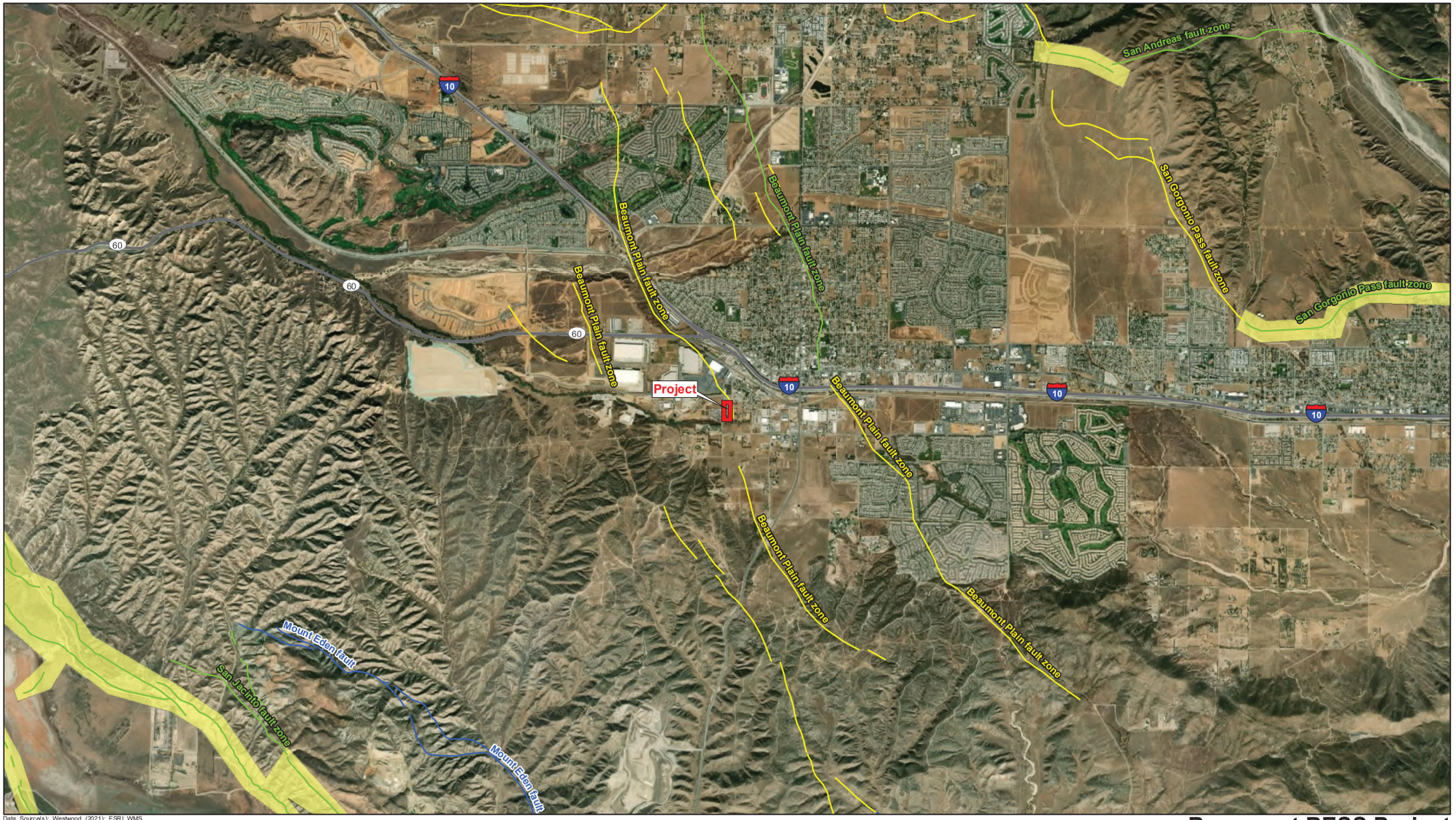

Data Source(s): Westwood (2021); ESRI WMS World Imagery Basemap (2021); Census Bureau (2018); Department of Conservation, California Geological Survey (2010); USGS (2020).

Legend

- Project Boundary
- Alquist-Priolo Fault Zone
- Major Highway
- Holocene Quaternary Fault Line (Last 11,000 Years)
- Late Quaternary Fault Line (Last 750,000 Years)
- Undivided Quaternary Fault Line (Last 1.6 Million Years)

N

0 Feet 4,000

Beaumont BESS Project

Riverside County, California

Seismic Hazard Map

EXHIBIT 6

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Appendix A

Soil Boring Logs

SOIL BORING LOG

Westwood

BORING NO. B-01

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.92389 Long: -116.98788	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS)	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	2 2 3		**[FILL] Poorly-Graded Sand and Gravel (SP to GP)** - 1 in thick.										Coordinates are NAD83 Datum.
				POORLY GRADED SAND w/ SILT (SP-SM) - reddish brown, dry to damp, medium dense to dense.										
2 SS	100	5 5 7												
3 SS	100	4 7 9	5											
4 SS	72	8 8 9		- dark reddish brown, damp, few gravel - quartz grains						7.4			14	pH = 7.4 Sat. ER* = 12,700 Moist ER* = 346,700
5 SS	94	8 12 15	10	- yellowish brown										
6 SS	100	12 15 17			SP-SM									
7 SS	100	9 14 17	15	- dark yellowish brown										
8 SS	100	11 12 12	20											
9 SS	100	12 12 19	25											* ER = Electrical Resistivity measured in Ohm-cm
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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SOIL BORING LOG

Westwood

BORING NO. B-02

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.924535 Long: -116.987244	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	3 4 8	0	**SILTY SAND (SM)** - yellowish red, damp to moist, medium dense.										Coordinates are NAD83 Datum.
2 SS	100	5 5 7		- reddish brown - coarse mineral (quartz) grain										
3 SS	100	3 5 8	5							12.9			25	
4 SS	100	4 7 11												
5 SS	100	2 2 3	10	- loose - yellowish brown	SM									
6 SS	100	4 4 7												
7 SS	100	3 3 5	15											
8 SS	100	5 9 12	20	**SANDY SILT (ML)** - reddish brown, moist, very stiff.	ML			*		12.9			59	
9 SS	100	8 9 15	25					*						
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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SOIL BORING LOG

Westwood

BORING NO. B-03

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.924659 Long: -116.988027	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	9 12 12		**[FILL] Poorly-Graded Sand and Gravel (SP to GP)** - 3 in thick.				4.5 4.5						Coordinates are NAD83 Datum.
				SANDY FAT CLAY (CH) - reddish brown, damp, very stiff.	CH									
2 SS	100	4 7 9						4.5 4.5		21.3	58.9	34.1	57	
			5											
3 SS	100	3 3 4		**CLAYEY SAND (SC)** - yellowish brown, damp, loose.										
4 SS	100	5 7 9		- medium dense	SC									
			10											
5 SS	100	7 7 10		- gravel lens, 2 in thick										
6 SS	94	6 6 9		**LEAN CLAY w/ SAND (CL)** - yellowish red, damp, very stiff.	CL			2.0 2.75		16.6	36.7	17.6	72	pH = 6.9 Sat. ER* = 1,600 Moist ER* = 1,700
			15											
7 SS	100	7 12 12		**CLAYEY SAND (SC)** - yellowish red to yellowish brown, damp, medium dense.	SC									
8 SS	100	8 12 15	20											
9 SS	100	10 10 15	25											* ER = Electrical Resistivity measured in Ohm-cm
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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SOIL BORING LOG

Westwood

BORING NO. B-04

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.925213 Long: -116.987283	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	7 8 14	0	**POORLY GRADED SAND w/ SILT (SP-SM)** - yellowish brown, dry to damp, medium dense.	SP-SM									Coordinates are NAD83 Datum.
2 SS	100	7 12 16		- reddish brown										
3 SS	100	7 7 12	5											
4 SS	100	4 4 6												
5 SS	100	3 4 4	10	**ELASTIC SILT w/ SAND (MH)** - reddish brown, damp, stiff to hard.	MH			4.5 4.5		29.1	51.3	16.7	78	
6 SS	100	3 3 6		**SILTY SAND (SM)** - reddish brown, damp, loose.	SM									
7 SS	100	4 7 9	15	**SANDY SILT (ML)** - brown to strong brown, damp, very stiff.	ML			4.0 4.25		19.4			66	
8 SS	100	9 9 12	20					*						
9 SS	100	9 9 13	25					*						
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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SOIL BORING LOG

Westwood

BORING NO. B-05

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.925303 Long: -116.987969	---	41.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	94	18 23 24	0	**SANDY LEAN CLAY (CL)** - yellowish brown, dry to damp, hard.				*						Coordinates are NAD83 Datum.
AU										12.5	44	27	55.2	Bulk sample taken from auger cuttings at 2-5 ft bgs.
2 SS	100	19 23 27		- reddish brown				4.5 4.5						
3 SS	100	12 18 21	5	- few gravel	CL			4.5 4.5						
4 SS	100	12 12 19						*						
5 SS	100	8 8 10	10	**CLAYEY SAND (SC)** - reddish brown, dry to damp, medium dense.										
6 SS	100	7 7 12												
7 SS	100	4 4 7	15	- moist	SC									
8 SS	100	5 8 9	20	**POORLY GRADED SAND w/ SILT AND GRAVEL (SP-SM)** - reddish brown, moist, medium dense.	SP-SM									
9 SS	100	5 7 12	25	**SILT w/ SAND (ML)** - reddish brown, damp, very stiff.				*		23.6			76	
10 SS	100	7 7 12	30	- moist	ML			*						
11 SS	100	7 10 12	35					*						
12 SS	100	7 12 18	40	- reddish gray				*						
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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Appendix B

Electrical Resistivity Test Results

Westwood

Electrical Resistivity Test Results
Wenner 4-Electrode Method
Beaumont Energy Storage Project - Riverside County, California

ER-01

Latitude	Longitude
33.924133	-116.987564

Description: 55°F, sunny, damp soil conditions

Date: 12/14/2020

Northeast-Southwest Transect

ELECTRODE SPACING		APPARENT RESISTIVITY	
(feet)	(meters)	ohm-feet	ohm-meters
2	0.6	722	220
4	1.2	455	139
6	1.8	381	116
8	2.4	329	100
10	3.0	332	101
20	6.1	265	80.8
30	9.1	192	58.6
50	15.2	148	45.0
100	30.5	119	36.4
120	36.6	347	106

Northwest-Southeast Transect

ELECTRODE SPACING		APPARENT RESISTIVITY	
(feet)	(meters)	ohm-feet	ohm-meters
2	0.6	610	186
4	1.2	314	95.8
6	1.8	356	109
8	2.4	331	101
10	3.0	324	98.8
20	6.1	248	75.5
30	9.1	207	63.2
50	15.2	170	51.7
80	24.4	136	41.4

*Site contraints, including site boundary, limited ER testing to 120 ft and 80 ft max spacing in Northeast-Southwest and Northwest-Southeast transects, respectively.

Appendix C

Laboratory Testing Reports

Westwood

Laboratory Soil Test Data Summary

Beaumont Energy Storage Project - Riverside County, California

BORING ID	SAMPLE ID	SAMPLE DEPTH (ft)	GRAIN-SIZE DISTRIBUTION[1][3]				NATURAL MOISTURE CONTENT (%)	ATTERBERG LIMITS		pH	Sulfate Ions (mg/kg)	Chloride Ions (mg/kg)	Miller Box Electrical Resistivity (Ω-cm)		USCS CLASSIFICATION[2][3]	MODIFIED PROCTOR		THERMAL RESISTIVITY	
			% Gravel	% Sand	% Silt	% Clay		LL	PI				As-Received	Saturated		MAX DRY DENSITY (pcf)	OPTIMUM MOISTURE CONTENT (%)	As-Received (°C-cm/W)	Dry (°C-cm/W)
B-01	SS-04	7.5-9	13	73	14		7.4			7.4	< 12.9	< 9.2	346,700	12,700	Poorly Graded Sand w/ Silt (SP-SM)				
B-02	SS-03	5-6.5	4	71	25		12.9								Silty Sand (SM)				
B-02	SS-08	20-21.5	0	41	59		12.9								Sandy Silt (ML)				
B-03	SS-02	2.5-4	2	41	57		21.3	58.9	34.1						Sandy Fat Clay (CH)				
B-03	SS-06	12.5-14	0	28	72		16.6	36.7	17.6	6.9	< 12.9	82.3	1,700	1,600	Lean Clay w/ Sand (CL)				
B-04	SS-05	10-11.5	0	22	78		29.1	51.3	16.7						Elastic Silt w/ Sand (MH)				
B-04	SS-07	15-16.5	0	34	66		19.4								Sandy Silt (ML)				
B-05	SS-09	25-26.5	0	24	76		23.6								Silt w/ Sand (ML)				
B-05	BULK	2-5	4.6	40.2	28.8	26.4	12.5	44.0	27.0						Sandy Lean Clay (CL)	124	11.8	76	172

Footnotes:

(1) % Gravel = part. greater than 4.75 mm (#4 sieve); % Sand = part. between 0.075 mm (#200 sieve) and 4.75 mm (#4 sieve); % Silt = part. between 0.002 mm and 0.075 mm (#200 sieve); % Clay = part. smaller than 0.002 mm.

(2) Visual classification, informed where possible by laboratory testing

(3) Represents soil fraction captured in split spoon, does not include cobbles/large gravel that may have been in profile.

Westwood

1 Systems Drive
Appleton, WI 54914

main (920) 735-6900

LABORATORY TESTS OF SOILS

ASTM: D2216, D4318, D6913

Project: Beaumont BESS - Beaumont, CA

Report To: Terra-Gen Power, LLC **Date:** 1/6/2021

Westwood Prj. No. R0029655.00

Date Delivered: 12/18/2020

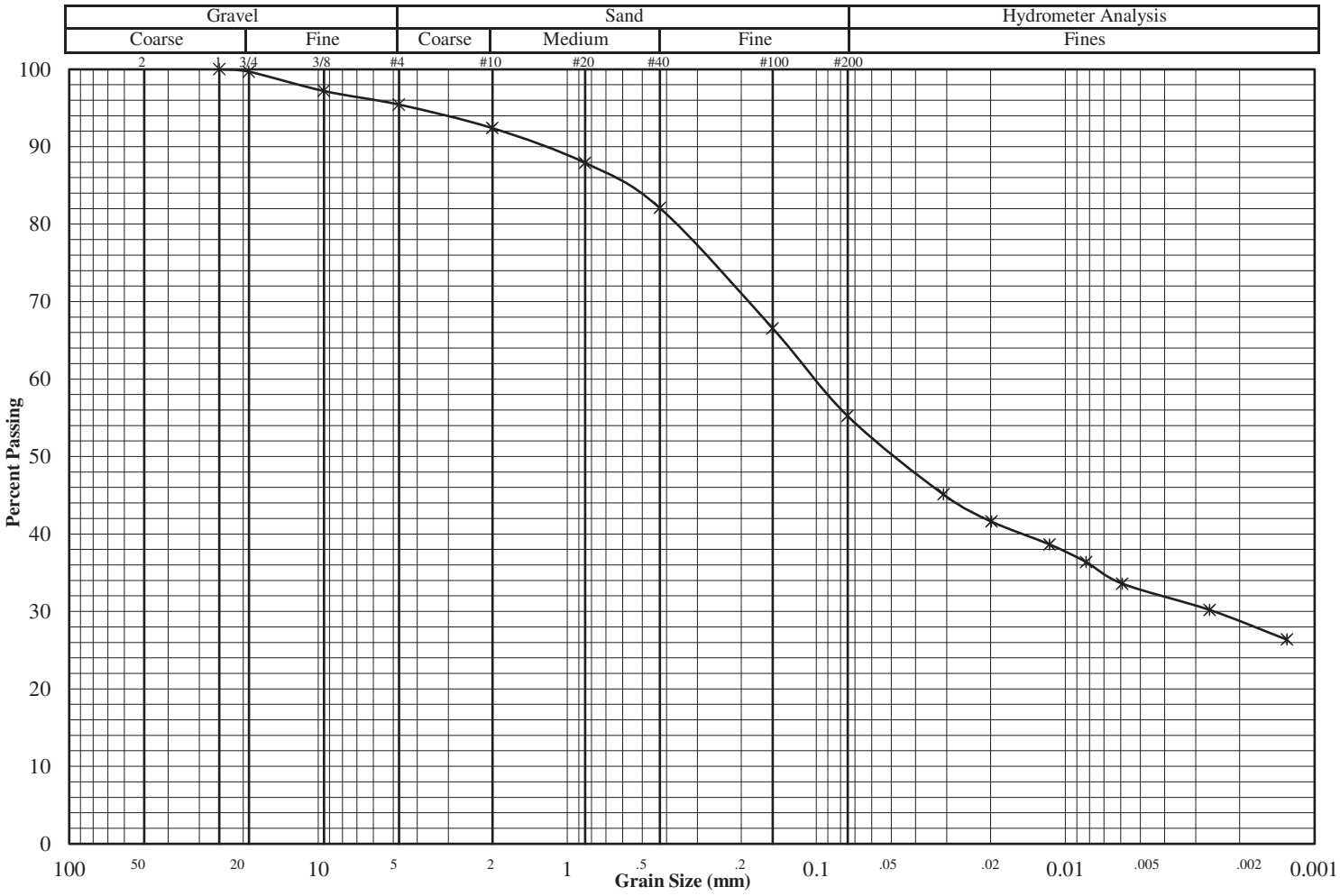
Boring	Depth	Sample	Moisture Content	Atterberg Limits LL	PL	PI	Percent Passing #4	#200
B-01	7.5-9	SS-04	7.4%				87	14
B-02	5-6.5	SS-03	12.9%				96	25
B-02	20-21.5	SS-08	12.9%				100	59
B-03	2.5-4	SS-02	21.3%	58.9	24.9	34.1	98	57
B-03	12.5-14	SS-06	16.6%	36.7	19.0	17.6	100	72
B-04	10-11.5	SS-05	29.1%	51.3	34.7	16.7	100	78
B-04	15-16.5	SS-07	19.4%				100	66
B-05	25-26.5	SS-09	23.6%				100	76

Grain Size Distribution ASTM D422-16

Job No. : **12941**

Project:	Beaumont BESS	Test Date:	12/28/20
Reported To:	Westwood Surveying & Engineering	Report Date:	1/4/21

	Location / Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Classification
*	B-05		2-5	Bulk	Sandy Lean Clay w/a little gravel (CL)
●					
◇					



Additional Results	*	●	◇
Liquid Limit	44		
Plastic Limit	17		
Plasticity Index ASTM:D4316	27		
Water Content ASTM:D2216	12.5		
Dry Density (pcf) ASTM:D7263			
Specific Gravity ASTM:D854	2.68*		
Porosity			
Organic Content ASTM:D2974			
pH ASTM:D4972 Method B			

Percent Passing

	*	●	◇
Mass (g)	19959.0		
2"			
1.5"			
1"	100.0		
3/4"	99.7		
3/8"	97.2		
#4	95.4		
#10	92.4		
#20	87.9		
#40	82.1		
#100	66.5		
#200	55.2		

	*	●	◇
D_{60}			
D_{30}			
D_{10}			
C_U			
C_C			

Remarks:

(* = assumed)

9530 James Ave South

SOIL ENGINEERING TESTING, INC.

Bloomington, MN 55431

Grain Size Distribution ASTM D422-16

Job No. : **12941**

Project:	Beaumont BESS	Test Date:	12/28/20
Reported To:	Westwood Surveying & Engineering	Report Date:	1/4/21

	Location / Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Classification
Spec 1	B-05		2-5	Bulk	Sandy Lean Clay w/a little gravel (CL)
Spec 2					
Spec 3					

Sieve Data

Specimen 1		Specimen 2		Specimen 3	
Sieve	% Passing	Sieve	% Passing	Sieve	% Passing
2"		2"		2"	
1.5"		1.5"		1.5"	
1"	100.0	1"		1"	
3/4"	99.7	3/4"		3/4"	
3/8"	97.2	3/8"		3/8"	
#4	95.4	#4		#4	
#10	92.4	#10		#10	
#20	87.9	#20		#20	
#40	82.1	#40		#40	
#100	66.5	#100		#100	
#200	55.2	#200		#200	

Hydrometer Data

Specimen 1		Specimen 2		Specimen 3	
Diameter (mm)	% Passing	Diameter	% Passing	Diameter	% Passing
0.031	45.1				
0.020	41.6				
0.012	38.7				
0.008	36.4				
0.006	33.6				
0.003	30.2				
0.001	26.4				

Remarks

Specimen 1	Specimen 2	Specimen 3

9530 James Ave South

SOIL ENGINEERING TESTING, INC.

Bloomington, MN 55431

Westwood

1 Systems Drive
Appleton, WI 54914

main (920) 735-6900

LABORATORY TESTS OF SOILS

ASTM: G187, D4972

Project: Beaumont BESS - Beaumont, CA

Report To: Terra-Gen Power, LLC

Date: 1/6/2021

Westwood Prj. No. R0029655.00

Date Delivered: 12/18/2020

			Electrical Resistivity								
			As-Received				Saturated				
Boring	Depth	Sample	Moist%	Temp. °C	Resistance (Ohms)	Resistivity (Ohms-cm)*	Moist%	Temp. °C	Resistance (Ohms)	Resistivity (Ohms-cm)*	pH
B-01	7.5-9	SS-04	7.4	19.8	520,000	346,700	23.5	19.8	19,000	12,700	7.4
B-03	12.5-14	SS-06	16.6	19.9	2,600	1,700	29.5	19.7	2,400	1,600	6.9

* Soil box factor = 0.67

Thermal Resistivity Report ASTM D:5334

Project: **Beaumont BESS** Job #: **12941**

Client: **Westwood Surveying & Engineering** Date: **1/8/21**

Boring	Specimen Type	Depth (ft)	Type	Classification	Initial Conditions			Dry
					Dry Density (PCF)	WC (%)	Thermal Resistivity (ºC-cm/W)	Thermal Resistivity (ºC-cm/W)
B-05	**Reconstituted**	**2-5**	**Bulk**	**Sandy Lean Clay with a little gravel (CL)**	**112.0**	**12.2%**	**76**	**172**
	Specimens reconstituted to approximately 90% of maximum modified proctor density near the as received moisture content.							

9530 James Ave South SOIL ENGINEERING TESTING, INC. Bloomington, MN 55431

http://www.soilengineeringtesting.com

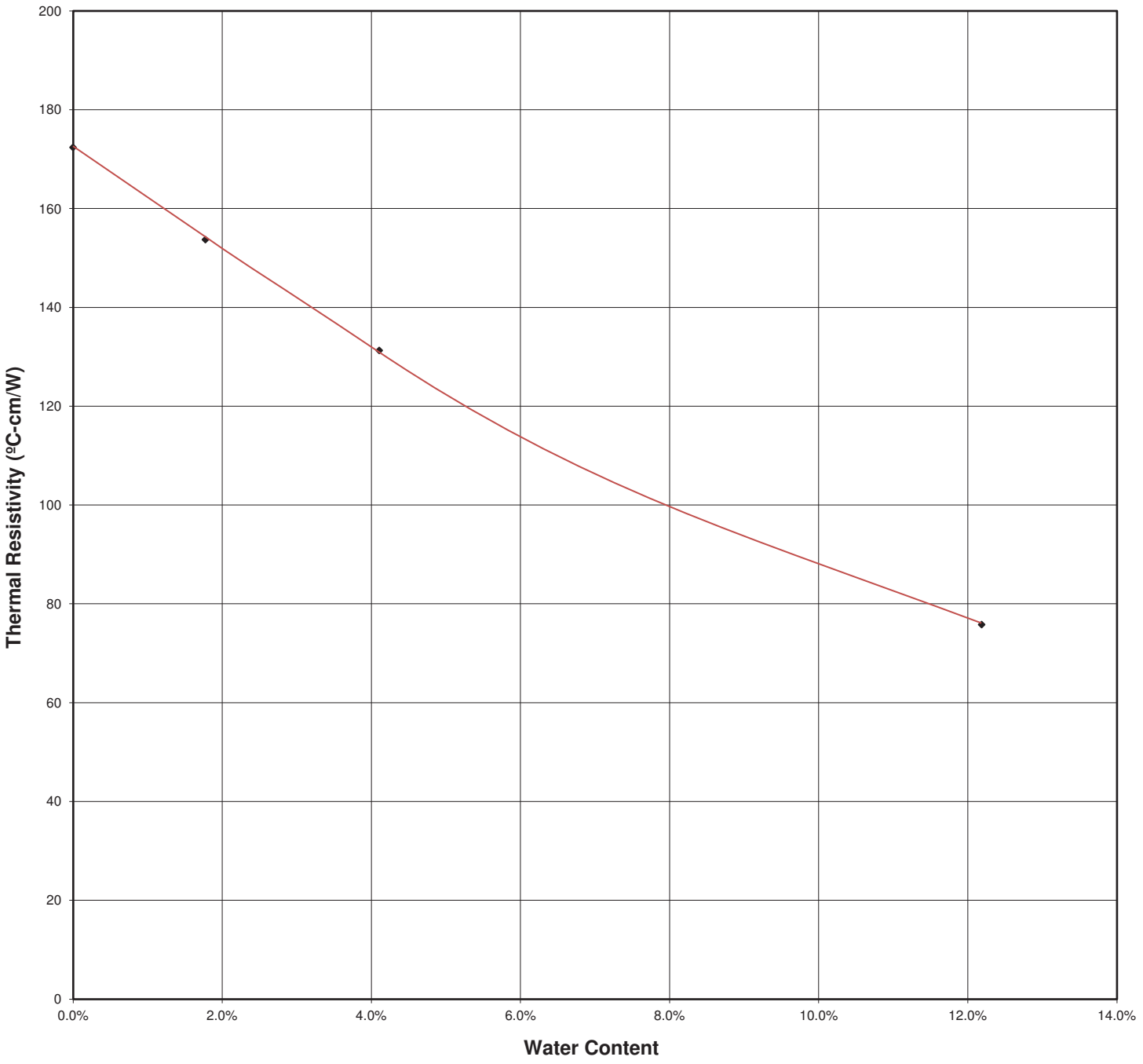
Thermal Resistivity Report ASTM D:5334

Project: Beaumont BESS — Job: 12941

Client: Westwood Surveying & Engineering — Date: 1/8/21

	Boring	Depth (ft)
Specimen A:	B-05	2-5

Thermal Dryout Curves (Water Content vs. Resistivity)



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Moisture Density Curve ASTM: D1557, Method B

Project: **Beaumont BESS** Date: **1/5/21**

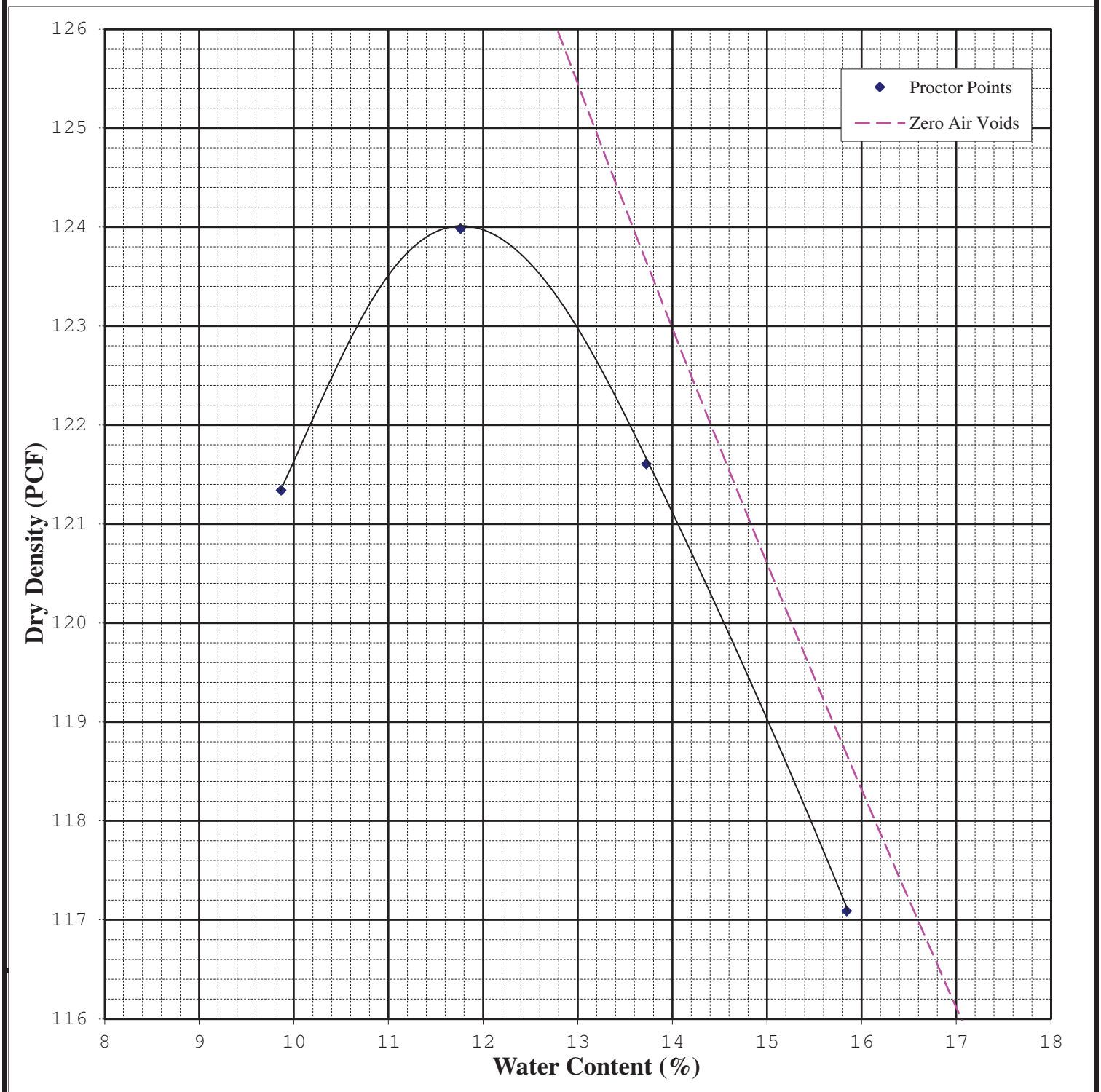
Client: **Westwood Surveying & Engineering** Job No. **12941**

Boring No. **B-05** Sample: Depth(ft): **2-5** Location:

Soil Type: **Sandy Lean Clay w/a little gravel (CL)**

As Received W.C. (%): **12.5** LL: **44** PL: **17** PI: **27** Specific Gravity: **2.72** *Assumed

Maximum Dry Density (pcf): **124.0** Opt. Water Content (%): **11.8**



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SOIL ENGINEERING TESTING, INC.

Bloomington, MN 55431

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

PAUL EGGEN
WESTWOOD PROFESSIONAL SERVICES
12701 WHITEWATER DRIVE
MINNETONKA. MN 55343

Report Date *15-Jan-21*

Project Name BEAUMONTBESS **Invoice #** E38951
Proiect # R0029655.00

Lab Code 5038951A
Sample ID B-01 SS-04
Sample Matrix Soil
Sample Date 12/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	97.7	%			1	5021		12/31/2020	NJC	1
Wet Chemistry										
General										
Sulfate, Unfiltered	< 12.9	mg/kg	12.9	43	1	9056		1/5/2021	ESC	1
Chlorides, Unfiltered	< 9.2	mg/kg	9.2	30.7	1	9056		1/5/2021	ESC	1

Lab Code 5038951B
Sample ID B-03 SS-06
Sample Matrix Soil
Sample Date 12/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.4	%			1	5021		12/31/2020	NJC	1
Wet Chemistry										
General										
Sulfate, Unfiltered	< 12.9	mg/kg	12.9	43	1	9056		1/5/2021	ESC	1
Chlorides, Unfiltered	82.3	mg/kg	9.2	30.7	1	9056		1/5/2021	ESC	1

"J" Flag: Analyte detected between LOD and LOQ | LOD Limit of Detection | LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

ESC denotes sub contract lab - Certification #998093910

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Appendix E

Phase I Environmental Site Assessment Report

PARTNER
Engineering and Science, Inc.®



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Sanborn II
APN: 417-110-012, 417-130-005, and 417-130-012
Beaumont, California 92223

Report Date: March 19, 2021
Partner Project No. 21-310772.1



Prepared for:

Terra-Gen, LLC
437 Madison Avenue, 22nd Floor, Suite A
New York, New York 10022

March 19, 2021

Mr. Mark Casper
Terra-Gen, LLC
437 Madison Avenue, 22nd Floor, Suite A
New York, New York 10022

Subject: Phase I Environmental Site Assessment
Sanborn II
APN: 417-110-012, 417-130-005, and 417-130-012
Beaumont, California 92223
Partner Project No. 21-310772.1

Dear Mr. Casper:

Partner Assessment Corporation (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (619) 925-9672.

Sincerely,

DRAFT

Mark Lambson
Principal

EXECUTIVE SUMMARY

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Terra-Gen, LLC for the property located at APN: 417-110-012, 417-130-005, and 417-130-012 in Beaumont, Riverside County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Terra-Gen, LLC with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the east side of Veile Avenue and west side of Elm Avenue within a mixed commercial, residential, and undeveloped area of Riverside County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address(es):	APN: 417-110-012, 417-130-005, and 417-130-012, Beaumont, California 92223
Property Use:	Unimproved vacant land
Land Acreage (Ac):	6.96 Acres
Assessor's Parcel Number (APN):	417-110-012, 417-130-005, and 417-130-012
Current Tenants:	Unoccupied; however, empty steel storage containers are stored on the north parcel (417-110-012)
Site Assessment Performed By:	Ramiro Vejar of Partner
Site Assessment Conducted On:	March 8, 2021

The subject property is currently unimproved vacant land with overgrown vegetation. The north parcel is chain-link fenced and utilized as a storage yard for empty steel storage containers. At the time of assessment, the west-southwest boundaries of the subject property were occupied for short-term parking by customers of the adjacent Diamond Hills Recycling Center and with temporary tow-truck and wrecked vehicle storage by the adjacent M&M Auto Wrecking Towing Center. In addition, the east-southeast of the subject property is occupied by a portion of Elm Avenue and had visible stormwater erosion and the west boundary is occupied by a Southern California Edison (SCE) power line easement.

According to available historical sources, the subject property was formerly undeveloped as early as 1901; occupied on the north parcel with a construction equipment/supply, power pole, and earth moving equipment storage yard between circa 2007 and 2012; unoccupied vacant land between 2013 and 2018; and occupied with the current steel storage container storage yard on the north parcel since 2018.

The immediately surrounding properties consist of the Southern California Edison (SCE) Maraschino Substation to the north; undeveloped land to the south; Elm Avenue followed by residential properties to the east Veile Avenue followed by unimproved vacant land, Diamond Hills Recycling Center, M&M Auto Wrecking-Towing Center, and Beaumont Auto Dismantling to the west.

Based on information obtained from the State Water Resources Control Board (SWRCB) Geotracker website and topographic map interpretation, the depth to groundwater in the vicinity of the subject property is inferred to be approximately 100 to 104 feet below ground surface (bgs) and groundwater flow is inferred to be toward the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to 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. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Partner did not identify any environmental issues during the course of this assessment.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of APN: 417-110-012, 417-130-005, and 417-130-012 in Beaumont, Riverside County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions or environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.

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1.0 INTRODUCTION

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at APN: 417-110-012, 417-130-005, and 417-130-012 in Beaumont, Riverside County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject

property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Terra-Gen, LLC engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Terra-Gen, LLC. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its

officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner's view of the ground during the site assessment was obstructed due to overgrown vegetation. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at APN: 417-110-012, 417-130-005, and 417-130-012 in Beaumont, California is located on the east side of Veile Avenue and west side of Elm Avenue. According to the Riverside County Assessor, the subject property is legally described as Parcels 2, 3, and 4 of Block 137 in the Amended Map of the Town of Beaumont subdivision Map Book 6, Page 16.

APN: 417-110-012 ownership is currently vested in Monster ROS Inc. since July 31, 2018.

APN: 417-130-005 ownership is currently vested in SHIKO LLC since April 18, 2019.

APN: 417-130-012 ownership is currently vested in Chris Dalkos and Dionisios Agryos since May 9, 2019.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently unimproved vacant land with overgrown vegetation. The north parcel is chain-link fenced and utilized as a storage yard for empty steel storage containers. At the time of assessment, the west-southwest boundaries of the subject property were occupied for short-term parking by customers of the adjacent Diamond Hills Recycling Center and with temporary tow-truck and wrecked vehicle storage by the adjacent M&M Auto Wrecking Towing Center. In addition, the east-southeast of the subject property is occupied by a portion of Elm Avenue and had visible stormwater erosion and the west boundary is occupied by a Southern California Edison (SCE) power line easement.

The subject property is designated for manufacturing development by the City of Beaumont.

The subject property was not identified in the regulatory database report of Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial, residential, and undeveloped area of Riverside County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties

North: Southern California Edison (SCE) Maraschino Substation
South: Undeveloped land
East: Elm Avenue followed by residential properties (248, 270, 310, 330, 334, 350 Elm Avenue)
West: Veile Avenue followed by unimproved vacant land, Diamond Hills Recycling Center, M&M Auto Wrecking-Towing Center, Beaumont Auto Dismantling (249 Veile Avenue)

The adjacent property to the west was identified as a Resource Conservation and Recovery Act No Longer Regulated (RCRA-NLR), California Environmental Reporting System (CERS), Solid Waste Recycling Facilities (SWRCY), Waste Discharge System (WDS), National Pollutant Discharge Elimination System (NPDES), and California Integrated Water Quality System Projects (CIWQS) site and the adjacent property to the east was identified as a RCRA-NLR site in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Beaumont, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 2,545 to 2,565-feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the southwest. Improvements, with the exception of roadways, are not depicted on the 2018 topographic map.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater flow in the vicinity of the subject property is inferred to be toward the southwest. The nearest surface water in the vicinity of the subject property is an unnamed stream located approximately 0.02-miles south of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Beaumont Cherry Valley Water District (BCVWD) serves the subject property vicinity. According to a representative of the BCVWD, shallow groundwater beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of Beaumont is from groundwater wells in the City of Beaumont, Cherry Valley, and Edgar Canyon.

According to a previous subsurface investigation conducted on a nearby property (373 Beaumont Avenue and Closed 2018 Case #083301536T/90404), the depth of groundwater in the vicinity of the subject property is inferred to be approximately 100 to 104 feet below ground surface (bgs).

2.4.3 Geology/Soils

The subject property is situated within the Peninsular ranges of the geomorphic province of the State of California. The Peninsular range is series of ranges separated by northwest trending valleys and traversed by several major active faults. The Whittier-Elsinore, San Jacinto, Newport-Inglewood, and San Andreas faults are major active fault systems located in the vicinity of the subject property. Major tectonic activity associated with these and other faults within this regional tectonic framework are typically right-lateral strike-slip movements. The Peninsular ranges extend into lower California, are bound to the east by the Colorado River, and extend into the Los Angeles Basin and the island group surrounding the continental shelf.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Ramona sandy loam (RaB2/RaC2) and Terrace escarpments (TeG). The Ramona series consists of very deep and well drained soils that formed in liner and tread alluvial fans and terraces derived from granite. The typical RaB2/RaC2 profile is sandy loam at 0 to 14 inches, fine sandy loam at 14 to 23 inches, sandy clay loam at 23 to 68 inches, and gravelly sandy loam at 68 to 74 inches on slopes ranging between 2 and 8 percent. The Terrace escarpments series was formed on convex and concave alluvial terraces derived from mixed sources.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06065C0811G, dated August 28, 2008, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

A copy of the reviewed flood map is included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1901-Present	Aerial Photographs, Interviews, Topographic Maps, Onsite Observations	Undeveloped vacant land; occupied intermittently on the north parcel with construction supply storage, steel containers, power poles, and earth moving equipment between 2007 and present.

According to available historical sources, the subject property was formerly undeveloped as early as 1901; occupied on the north parcel with a construction equipment/supply, power pole, and earth moving equipment storage yard between circa 2007 and 2012; unoccupied vacant land between 2013 and 2018; and occupied with the current steel storage container storage yard on the north parcel since 2018.

No potential environmental concerns were identified in association with the current or former use of the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR) on March 1, 2021. The following was observed on the subject property and adjacent properties during the aerial photograph review:

Date:	***1938, 1949, 1953, 1961***	***Scale:***	***1"=500'***
Subject Property:	Undeveloped vacant land, occupying a portion of Elm Street on the east-southeast		
North:	Undeveloped vacant land		
South:	Undeveloped vacant land followed by a stream		
East:	Undeveloped vacant land and residential with dwellings across Elm Street		
West:	Undeveloped vacant land		

Date:	***1967***	***Scale:***	***1"=500'***
Subject Property:	Undeveloped vacant land, occupying a portion of Elm Street on the east-southeast		
North:	Undeveloped vacant land		
South:	Undeveloped vacant land followed by a stream		
East:	Undeveloped vacant land and residential with dwellings across Elm Street		
West:	Undeveloped vacant land and occupied with a wrecking yard across Veile Avenue		

Date:	***1975, 1978, 1985, 1989, 1996, 2002, 2006***	***Scale:***	***1"=500'***
Subject Property:	Undeveloped vacant land, occupying a portion of Elm Street on the east-southeast		
North:	Undeveloped vacant land and an electrical substation		
South:	Undeveloped vacant land followed by a stream		
East:	Developed residential with dwellings across Elm Street		
West:	Undeveloped vacant land and occupied with a wrecking yard across Veile Avenue		

Date: 2009	*Scale: 1"=500'*
Subject Property:	The north parcel appears to be paved or filled with gravel and the parcels south of that are undeveloped vacant land; Elm Street occupies the east-southeast
North:	Developed with the current electrical substation
South:	Undeveloped vacant land followed by a stream
East:	Developed residential with dwellings across Elm Street
West:	Undeveloped vacant land and occupied with a wrecking and recycling yard across Veile Avenue

Date: 2012	*Scale: 1"=500'*
Subject Property:	The north parcel appears to be occupied with a trailer and power poles, the parcels south of that are undeveloped vacant land; Elm Street occupies the east-southeast
North:	Developed with the current electrical substation
South:	Undeveloped vacant land followed by a stream
East:	Developed residential with dwellings across Elm Street
West:	Undeveloped vacant land and occupied with a wrecking and recycling yard across Veile Avenue

Date: 2016	*Scale: 1"=500'*
Subject Property:	The north parcel appears to be paved or filled with gravel and the parcels south of that are undeveloped vacant land; Elm Street occupies the east-southeast
North:	Developed with the current electrical substation
South:	Undeveloped vacant land followed by a stream
East:	Developed residential with dwellings across Elm Street
West:	Undeveloped vacant land and occupied with a wrecking and recycling yard across Veile Avenue

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from EDR on March 1, 2021. Sanborn map coverage was not available for the subject property.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR on Mach 3, 2021 for past names and businesses that were listed for the subject property and adjacent properties. City directories were not identified for the subject property. The findings for the adjacent properties are presented in the following table:

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1971	Jas Moore (286 Elm Avenue), Oscar S. Knox (310 Elm Avenue)
1976	J. Terry (286 Elm Avenue), Oscar S. Knox (310 Elm Avenue), HG Koeller (350 Elm Avenue)
1980	TJ. Mulvihill (286 Elm Avenue), Oscar S. Knox (310 Elm Avenue), HG Koeller (350 Elm Avenue)
1985	Those E. Medina (248 Elm Avenue), Mulhill Terrance (286 Elm Avenue), Oscar S. Knox (310 Elm Avenue)
1992	Thomas S. Medina (248 Elm Avenue), Oscar S. Knox (310 Elm Avenue)
1995	Thomas S. Medina (248 Elm Avenue), Todd Campbell (286 Elm Avenue), Oscar S. Knox (310

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
	Elm Avenue), Scott A. McClung (330 Elm Avenue), C. Campbell (334 Elm Avenue), Peter H. Forster (350 Elm Avenue)
2000	M&M Auto Wrecking Yard (249 Veile Avenue), Thomas E. Medina (248 Elm Avenue), Occupant unknown (276, 286 Elm Avenue), Lucile B. Knox (310 Elm Avenue), Scott A. McClung (330 Elm Avenue), C. Campbell (334 Elm Avenue), Peter H. Forester (350 Elm Avenue)
2005	M&M Auto Wrecking Yard (249 Veile Avenue), Jason A. Medina (248 Elm Avenue), Susan C. Campbell (286 Elm Avenue), Lucile B. Knox (310 Elm Avenue), Scott A. McClung (330 Elm Avenue)
2010	Beaumont Auto Dismantling, D&S Auto Repair & Towing, Diamond Hills Recycling Center, M&M Auto Wrecking Towing Center (249 Veile Avenue), Occupant Unknown (310, 330 Elm Avenue)
2014	Beaumont Auto Dismantling, D&S Towing (249 Veile Avenue), Thomas E. Medina (248 Elm Avenue), D. Green (286 Elm Avenue), Scott A. McClung (330 Elm Avenue)
2017	Beaumont Auto Dismantling, Diamond Hills Recycling Center, M&M Auto Wrecking & Towing Center (249 Veile Avenue), Thomas E. Medina (248 Elm Avenue), Todd A. Campbell (286 Elm Avenue), Peter H. Forester (350 Elm Avenue)

According to the city directory review, the adjacent properties have been occupied residential from as early as 1971 and commercial from as early as 2000. The adjacent properties to the east and west were identified on the EDR regulatory database as further discussed in section 4.2.3.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR on March 1, 2021. The following was observed on the subject property and adjacent properties during the topographic map review:

Date: 1901	
Subject Property:	Depicted as undeveloped
North:	Depicted as undeveloped
South:	Depicted as undeveloped
East:	Depicted as undeveloped
West:	Depicted as undeveloped

Date: 1943, 1948	
Subject Property:	Depicted as undeveloped
North:	Depicted as undeveloped
South:	Depicted as undeveloped
East:	Depicted with small structures across Elm Avenue
West:	Depicted as undeveloped

Date: 1953, 1956, 1972	
Subject Property:	Depicted as undeveloped
North:	Depicted as undeveloped
South:	Depicted as undeveloped
East:	Depicted with small structures across Elm Avenue
West:	Depicted as undeveloped across Veile Avenue

Date:	***1979, 1988, 1996***
Subject Property:	Depicted as undeveloped
North:	Depicted with a substation
South:	Depicted as undeveloped
East:	Depicted with small structures across Elm Avenue
West:	Depicted as undeveloped across Veile Avenue

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	California Environmental Protection Agency (Cal/EPA)
Agency Website:	https://siteportal.calepa.ca.gov/nsite/map/results
Agency Address:	1001 I Street, Sacramento, California 95814
Agency Phone Number:	(916) 255-1136
Date of Contact:	March 1, 2021
Method of Communication:	Online Database
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the Cal/EPA.

4.1.2 County Health Department - Certified Unified Program Agencies (CUPA)

Regulatory Agency Data	
Name of Agency:	Riverside County Department of Environmental Health (RCDEH)
Point of Contact:	Records Management Department
Agency Address:	4065 County Circle Drive, Room 104, Riverside, California 92503
Agency Phone Number:	(951) 358-7018
Date of Contact:	March 1, 2021 and March 3, 2021
Method of Communication:	Emailed Request
Summary of Communication:	The RCDEH records department cannot locate or research a request without a physical address. As of this date, the subject property has not been issued an address by the Riverside County Assessors.

4.1.3 Fire Department

Fire Department records pertaining to the use of hazardous materials storage and unauthorized releases of petroleum hydrocarbons for the City of Beaumont are maintained by the RCDEH, as discussed in Section 4.1.2.

4.1.4 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	Air Quality Management District (AQMD)
Agency Website:	http://www3.aqmd.gov/webappl/fim/prog/search.aspx
Agency Address:	21865 Copley Drive, Diamond Bar, California 91765
Agency Phone Number:	(909) 396-2000
Date of Contact:	March 1, 2021
Method of Communication:	Online Database
Summary of Communication:	No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or USTs were on file for the subject property with the AQMD.

4.1.5 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	State Water Resources Control Board (SWRCB) Santa Ana Regional Water Quality Control Board (RWQCB)
Point of Contact:	File Review Desk
Agency Address:	3737 Main Street, Suite 500, Riverside, California 92501
Agency Websites:	http://geotracker.waterboards.ca.gov/ https://smarts.waterboards.ca.gov/smarts/
Agency Phone Number:	(951) 782-4130
Date of Contact:	March 1, 2021 and March 16, 2021
Method of Communication:	Online Database
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the RWQCB.

4.1.6 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Agency Websites:	http://hwts.dtsc.ca.gov/report_search.cfm?id=5 http://www.envirostor.dtsc.ca.gov/public/
Agency Address:	5796 Corporate Avenue, Cypress, California 90630
Agency Phone Number:	(877) 786-9427
Date of Contact:	March 1, 2021
Method of Communication:	Online Database
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the DTSC.

4.1.7 Building Department

Regulatory Agency Data	
Name of Agency:	Beaumont Building and Safety (BBS) County of Riverside Transportation and Land Management Agency (TLMA) – Riverside Permit Assistance Center
Point of Contact:	Shane Scissons, Permit Technician Records Department
Agency Address:	550 East Sixth Street, Beaumont, California 92223 4080 Lemon Street, 2nd Floor, Riverside, California 92502
Agency Phone Number:	(951) 769-8529 (951) 955-2017
Date of Contact:	March 1, 2021 and March 11, 2021
Method of Communication:	Online Database and Email
Summary of Communication:	No records were available from the BBS or TLMA.

4.1.8 Planning Department

Regulatory Agency Data	
Name of Agency:	Beaumont Planning Department (BPD)
Agency Website:	http://beaumontca.gov/index.aspx?NID=121
Agency Address:	550 East Sixth Street, Beaumont, California 92223
Agency Phone Number:	(951) 769-8518
Date of Contact:	March 1, 2021
Method of Communication:	Online Records
Summary of Communication:	According to records reviewed, the subject property is zoned for community commercial development by the City of Beaumont.

4.1.9 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Geologic Energy Management Division (CalGEM) Southern District
Agency Website:	http://maps.conservation.ca.gov/doggr/index.html
Agency Address:	3780 Kilroy Airport Way, Suite 400, Long Beach, California 90806
Agency Phone Number:	(562) 637-4400
Date of Contact:	March 1, 2021
Method of Communication:	Online Database
Summary of Communication:	According to CalGEM, no oil and/or gas wells are located on or adjacent to the subject property.

4.1.10 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Riverside County Assessor (RCA)
Agency Website:	http://pic.asrclkrec.com/
Agency Address:	4080 Lemon St, 1st Floor Riverside, California 92501
Agency Phone Number:	(951) 955-9553
Date of Contact:	March 1, 2021
Method of Communication:	Online Database
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Number (APN) 417-110-012, 417-130-005, and 417-130-012 on 6.96 acres.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	**Y**	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N/A	N/A
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
California Environmental Reporting System (CERS)	0.25	N	**Y**	N
Solid Waste Recycling Facilities (SWRCY)	0.25	N	**Y**	N
National Pollutant Discharge Elimination System (NPDES)	Varies	N	**Y**	N
California Integrated Water Quality System Projects (CIWQS)	Varies	N	**Y**	N
Waste Discharge System (WDS)	Varies	N	**Y**	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	N	N
EDR US Hist Cleaners	Varies	N	N	N

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjacent Property Listings

The adjacent property to the west is identified as a RCRA-NLR, CERS, SWRCY, NPDES, CIWQS, and WDS site in the regulatory database report, as discussed below:

- The property, identified as Diamond Hills Recycling Corp. doing business as M&M Auto Wrecking & Towing Center and MM Auto Wrecking at 249 Veile Avenue is located adjacent to the west (hydrologically cross-gradient) of the subject property, across Veile Avenue. Diamond Hills Recycling is listed on the RCRA-NLR database as a recyclable material wholesaler and non-

generator site in 2009. No violations were noted on the RCRA database. Diamond Hills Recycling Corp. is listed on the SWRCY database as registered facility identification number RC/13553/19177. M&M Auto Wrecking & Towing is listed on the CERS database as a permitted hazardous waste generator and industrial facility with storm water permits. MM Auto Wrecking is listed on the regulatory database as a registered NPDES and CIWQS facility associated to storm water permits. The CIWQS is a registry system used by the State and Regional Water Quality Control Board (RWQCB) to manage permits, track inspections, and manage violations or enforcement. The NPDES permits are associated to waste discharge requirements which identifies the property as enrolled Waste Discharge System (WDS) facility identification number 8 33I019784. The active NPDES permit is dated as enrolled since September 14, 2005 for storm water at an industrial property. M&M Auto Wrecking is listed on the WDS database as an active facility with permitted storm water waste discharge requirements registered under NPDES number CAS000001. No other information or indications of violations were provided in the regulatory database. Based on the regulatory permitted oversight, regulatory status, lack of reported violations, depth to groundwater, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

- Beaumont Auto Dismantling & Recycling at 249 Veile Avenue, Suite C, is located adjacent to the west (hydrologically cross-gradient) of the subject property, across Veile Avenue. Beaumont Auto Dismantling & Recycling is listed on the RCRA-NLR database as an automotive parts and accessory store and a non-generator site in 2005. No violations were noted on the RCRA database. No other information or indications of violations were provided in the regulatory database. Based on the regulatory permitted oversight, regulatory status, lack of reported violations, depth to groundwater, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

The adjacent property to the east is identified as a RCRA-NLR site in the regulatory database report, as discussed below:

- Ortiz Enterprises at 310 Elm Avenue and 310 Elm Street is located adjacent to the east (hydrologically up-gradient) of the subject property, across Elm Avenue. Ortiz Enterprises is listed on the RCRA-NLR database as a highway, street, bridge construction, and all other waste management service site. Ortiz Enterprises is listed as a RCRA non-generator facility in 2019. No violations were noted on the RCRA database. No other information or indications of violations were provided in the regulatory database. Based on the regulatory permitted oversight, regulatory status, limited listings, lack of reported violations, and depth to groundwater, this site is not expected to represent a significant environmental concern.

Based on the findings, vapor migration is expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

No orphan listings of concern are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Terra-Gen, LLC (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
AAI User Questionnaire			**X**	
Title Records, Environmental Liens, and AULs		**X**		
Specialized Knowledge		**X**		
Actual Knowledge		**X**		
Valuation Reduction for Environmental Issues		**X**		
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

Mr. Jose A. Cardenas, subject property owner of assessor parcel number 417-110-012, was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to

hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Cardenas, he purchased the property on July 31, 2018. Mr. Cardenas stated that there are no USTs, ASTs, clarifiers, oil/water separators, groundwater monitoring wells, or hazardous substance use/storage/generation on the subject property to the best of his knowledge.

Mr. Christopher C. Lewi, the attorney and representative of the subject property owner (SHIKO LLC) of assessor parcel number 417-130-005 was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Lewi, the subject property was purchased on April 18, 2019. Mr. Lewi further stated that there are no USTs, ASTs, clarifiers, oil/water separators, groundwater monitoring wells, or hazardous substance use/storage/generation on the subject property to the best of his knowledge.

Mr. Chris Dalkos, subject property owner of assessor parcel number 417-130-012 was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Dalkos, the subject property was purchased on May 9, 2018. Mr. Dalkos further stated that there are no USTs, ASTs, clarifiers, oil/water separators, groundwater monitoring wells, or hazardous substance use/storage/generation on the subject property to the best of his knowledge.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User.

5.1.3 Interview with Key Site Manager

A key site manager was not provided; however, owners and owner representatives were interviewed as discussed in the above 5.1.1 segment.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

No previous reports or other pertinent documentation was provided to Partner for review during the course of this assessment.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was overcast. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Ramiro Vejar
Site Assessment Conducted On:	March 8, 2021

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for APN: 417-110-012, 417-130-005, and 417-130-012 (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
Jose A. Cardenas	Owner	(949) 250-7720	No
Christopher C. Lewi	Owner Attorney	(805) 400-0703	No
Chris Dalkos	Owner	(562) 308-7159	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste is not currently generated at the subject property. Abandoned and wind-blown debris observed on the subject property includes residential trash, a mattress, recliner sofas, concrete, and plywood.

6.1.2 Sewage Discharge and Disposal

The subject property is not currently connected to a sanitary sewer system. No wastewater treatment facilities or septic systems were observed or reported on the subject property.

6.1.3 Surface Water Drainage

Stormwater that doesn't infiltrate the pervious surfaces on the subject property flows southerly towards the adjacent properties and into the public right-of-way.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish & Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

No heating or cooling equipment were observed on the subject property.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater is not currently generated at the subject property. No industrial process is performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

No potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

No buildings or structures are located on the subject property. As such, an asbestos evaluation was not required by the scope of services.

6.3.2 Lead-Based Paint (LBP)

No buildings or structures are located on the subject property. As such, an LBP evaluation was not required by the scope of services.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Beaumont Cherry Valley Water District (BCVWD) serves the subject property vicinity. According to a representative of the BCVWD, shallow groundwater beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of Beaumont is from groundwater wells in the City of Beaumont, Cherry Valley, and Edgar Canyon.

According to the BCVWD and the 2019 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

The subject property is currently undeveloped. As such, additional action with respect to mold is not warranted.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *REC* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *CREC* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *HREC* refers to 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. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Partner did not identify any environmental issues during the course of this assessment.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of APN: 417-110-012, 417-130-005, and 417-130-012 in Beaumont, Riverside County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions or environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at APN: 417-110-012, 417-130-005, and 417-130-012 in Beaumont, Riverside County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

DRAFT

Ramiro Vejar
Environmental Scientist

Reviewed By:

DRAFT

Sarah Vosovic
Senior Author

9.0 REFERENCES

Reference Documents

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

Environmental Data Resources (EDR), Radius Report, March 2021

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, March 2021

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, March 2021

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, March 2021

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, March 2021

United States Geological Survey, accessed via the Internet, March 2021

United States Geological Survey Topographic Map 2018, 7.5 minute series, accessed via internet, March 2021

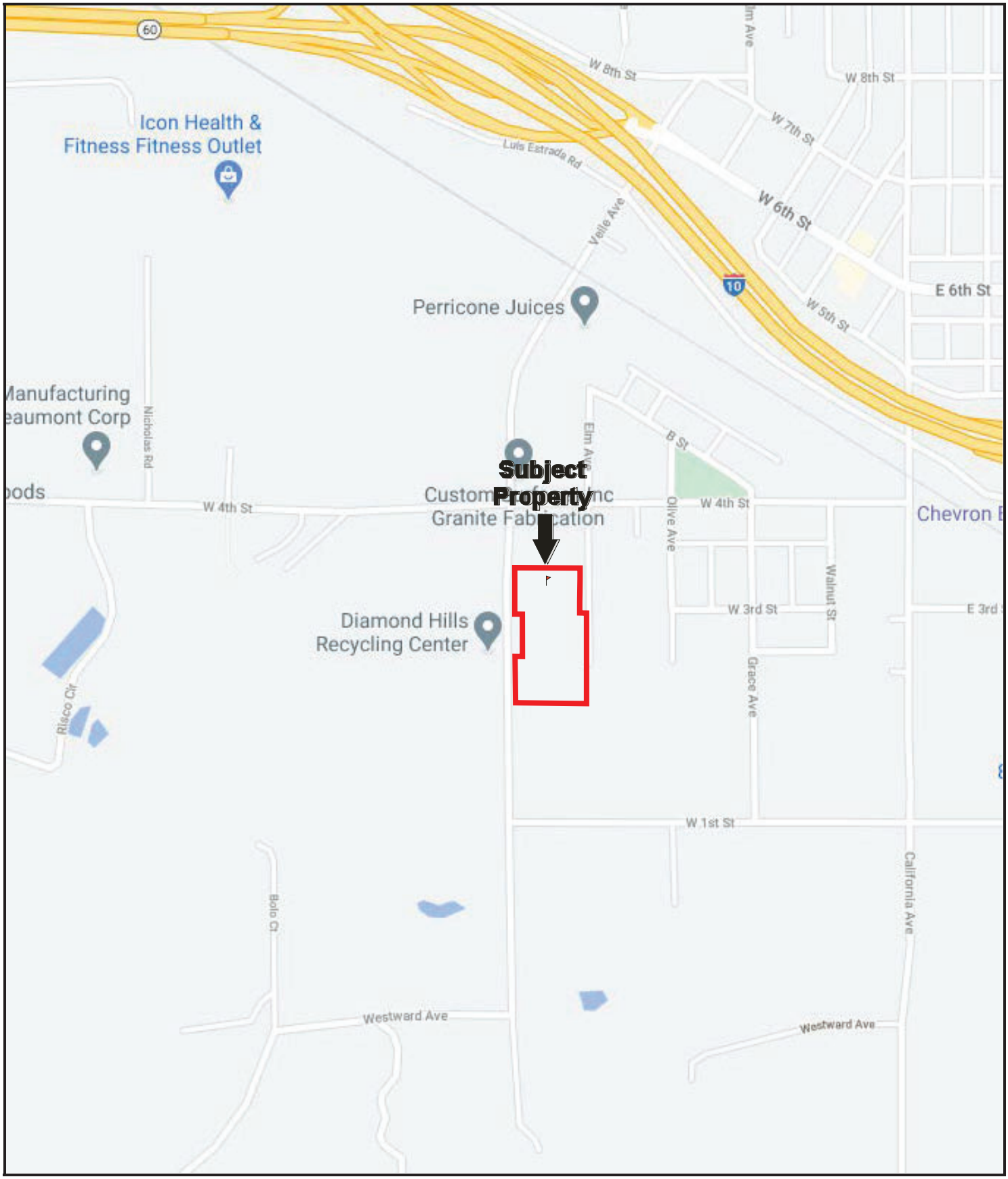
FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP

PARTNER



N

Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 21-310772.1

PARTNER



FIGURE 2: SITE PLAN
Project No. 21-310772.1

PARTNER



N

USGS 7.5 Minute *Beaumont, California* Quadrangle
Created: 2018

KEY:
Subject Property

FIGURE 3: TOPOGRAPHIC MAP
Project No. 21-310772.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS



1.View of the subject property from the northwest across Veile Avenue looking southeast.



2.View of stored empty steel containers on the north parcel.



3.View of the gravel covering the northern parcel.



4.View of the subject property from the northeast looking south.



5.View of the northern parcel from the east-northeast looking west.



6.View of the typical empty storage containers.



7.View of the Southern California Edison power line easement on the west boundary.



8.View of the center parcel from the northwest looking southeast.



9.View of the center parcel from the east looking west.



10.View of the center parcel from the south looking north.



11.View of trash, a mattress, and debris abandoned on the west boundary.



12.View of vehicles and tow trucks on the west-southwest of the subject property.



13.View of dumped concrete on the center parcel.



14.View of the eroded area on the southeast of the south parcel.



15.View of the subject property form the south-east looking north.



16.View of the south parcel from the east looking west.



17.View of the south parcel from the east looking southwest.



18.View of the subject property from the south parcel looking north.



19.View of vehicles stored on the south parcel.



20.View of abandoned plywood and furniture on the south parcel.



21.View of the adjacent property and stream to the south.



22.View of the adjacent residential properties to the east.



23.View of the adjacent substation to the north.



24.View of the adjacent vacant land to the west.



25.View of the adjacent recycling facility to the west.



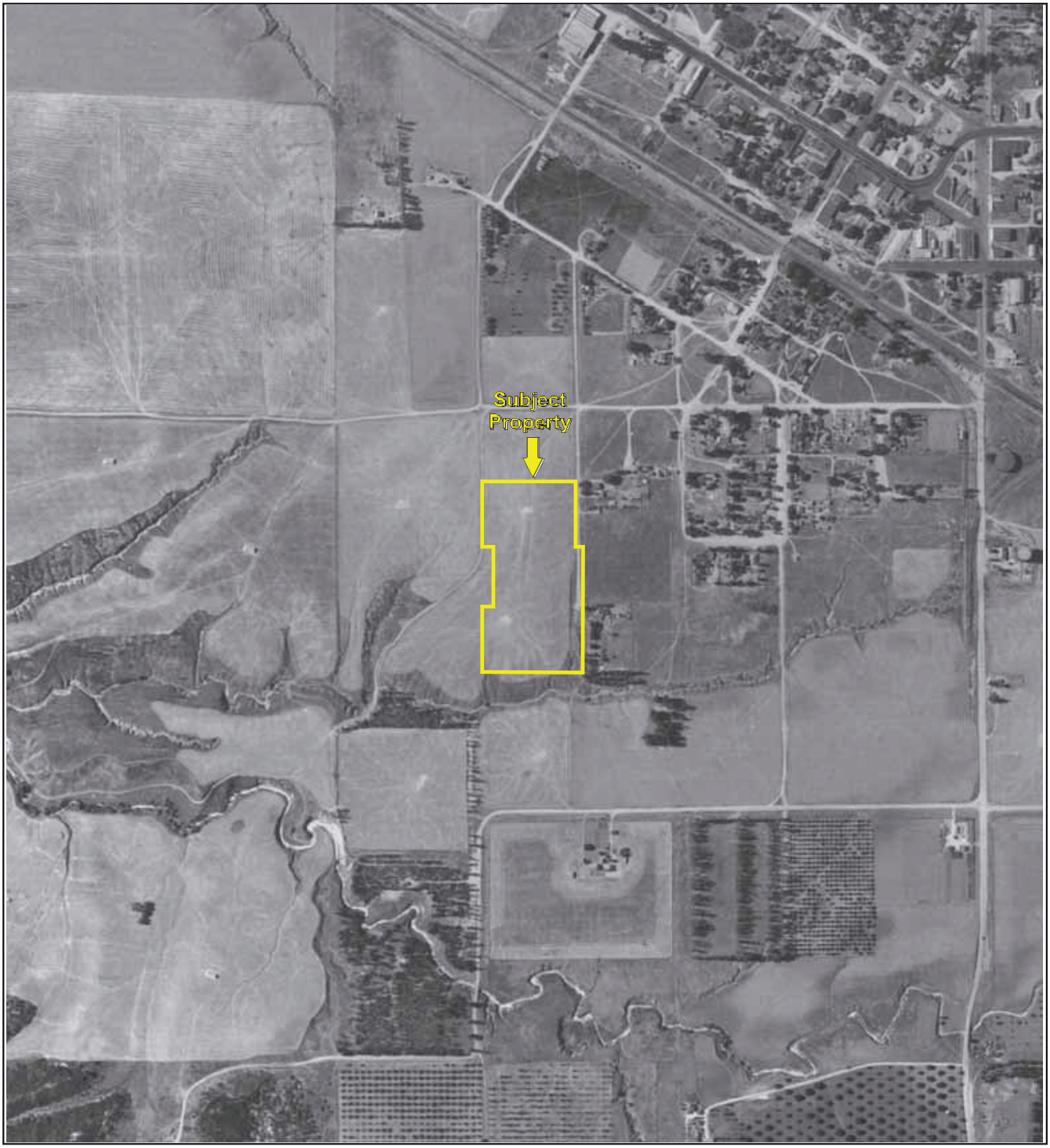
26.View of the adjacent auto-wrecking yard to the west.



27.View of the adjacent auto dismantling yard to the west.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER



500 1000 2000

N

Key: Subject Property



500 1000 2000

N

Key: Subject Property



500 1000 2000

N

Key: Subject Property



500 1000 2000

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Key: Subject Property



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Key: Subject Property



500 1000 2000

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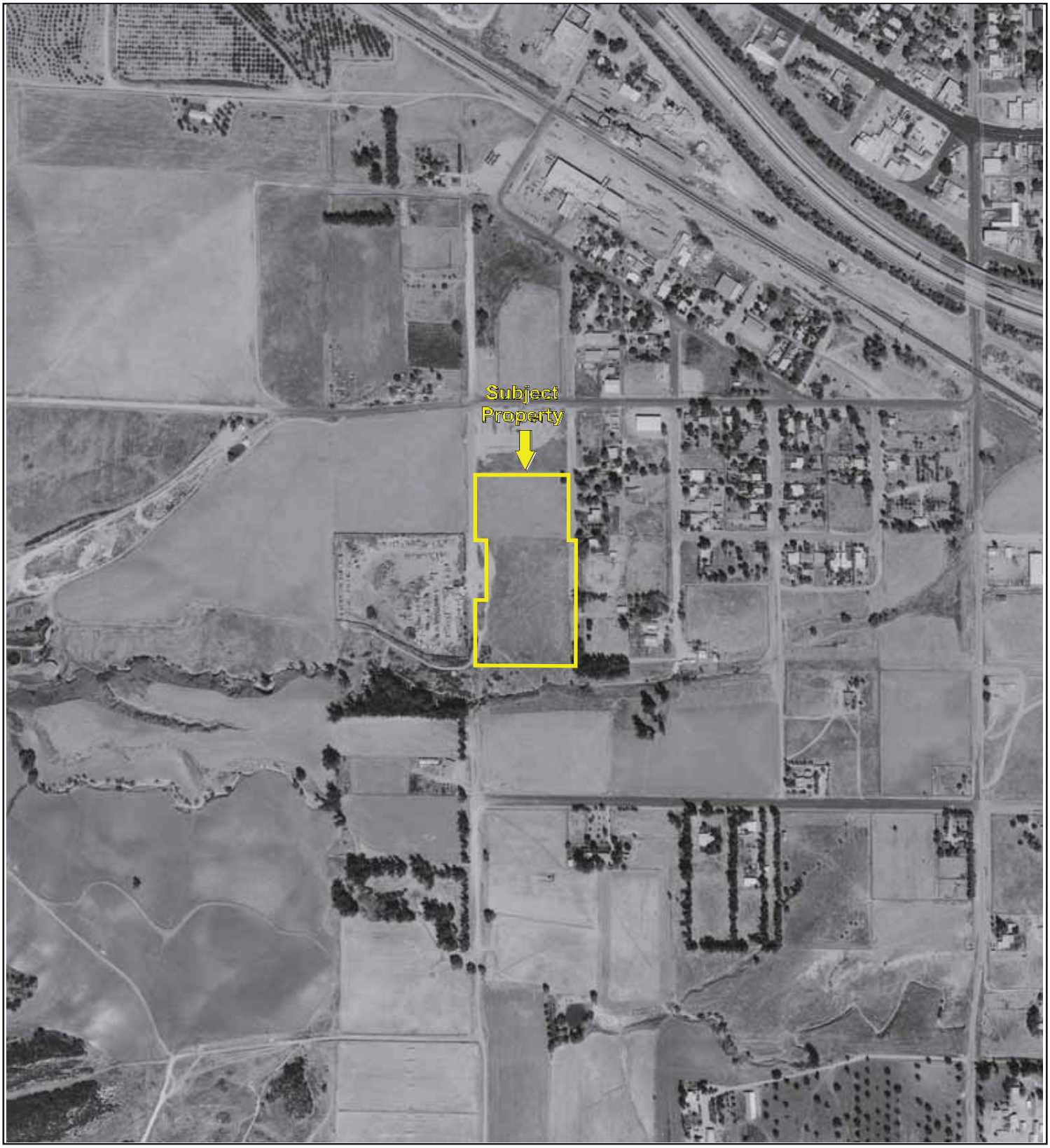
Key: Subject Property



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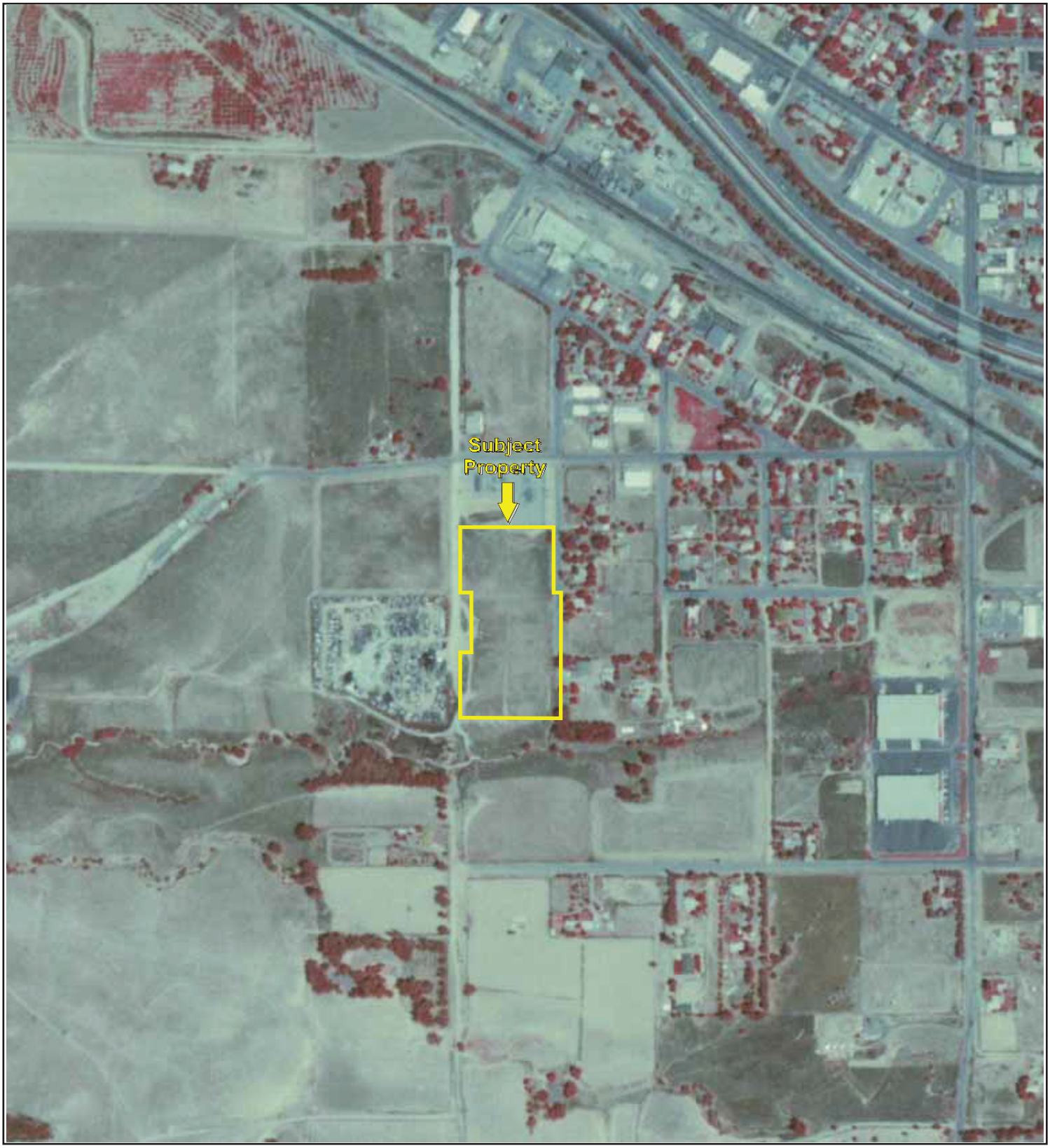

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Key: Subject Property



500 1000 2000

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Key: Subject Property



500 1000 2000

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Key: Subject Property



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Key: Subject Property



500 1000 2000

N

Key: Subject Property



500 1000 2000

N

Key: Subject Property



500 1000 2000

N

Key: Subject Property



500 1000 2000

N

Key: Subject Property

Sanborn II

Not Reported

Beaumont, CA 92223

Inquiry Number: 6384807.3

March 01, 2021

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

03/01/21

Site Name:

Sanborn II
Not Reported
Beaumont, CA 92223
EDR Inquiry # 6384807.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Roy Zamarripa

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Certification # 2006-4F92-B03D

PO # 21-310772.1

Project 21-310772.1

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Sanborn® Library search results

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Sanborn II
Not Reported
Beaumont, CA 92223

Inquiry Number: 6384807.5
March 03, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Executive Summary

Findings

City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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RESEARCH SUMMARY

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

Year	Target Street	Cross Street	Source
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
1985	☐	☑	Haines Criss-Cross Directory
1980	☐	☑	Haines Criss-Cross Directory
1976	☐	☑	Haines Criss-Cross Directory
1971	☐	☑	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

Not Reported
Beaumont, CA 92223

No Addresses Found

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
ELM AVE		
2017	pg. A2	EDR Digital Archive
2014	pg. A5	EDR Digital Archive
2010	pg. A8	EDR Digital Archive
2005	pg. A11	EDR Digital Archive
2000	pg. A14	EDR Digital Archive
1995	pg. A17	EDR Digital Archive
1992	pg. A20	EDR Digital Archive
1985	pg. A22	Haines Criss-Cross Directory
1980	pg. A24	Haines Criss-Cross Directory
1980	pg. A25	Haines Criss-Cross Directory
1976	pg. A27	Haines Criss-Cross Directory
1976	pg. A28	Haines Criss-Cross Directory
1971	pg. A30	Haines Criss-Cross Directory
1971	pg. A31	Haines Criss-Cross Directory
VEILE AVE		
2017	pg. A4	EDR Digital Archive
2014	pg. A7	EDR Digital Archive
2010	pg. A10	EDR Digital Archive
2005	pg. A13	EDR Digital Archive
2000	pg. A16	EDR Digital Archive
1995	pg. A19	EDR Digital Archive
1992	pg. A21	EDR Digital Archive
1985	pg. A23	Haines Criss-Cross Directory
1980	pg. A26	Haines Criss-Cross Directory
1976	pg. A29	Haines Criss-Cross Directory
1971	pg. A32	Haines Criss-Cross Directory

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2017

248	MEDINA, THOMAS E
286	CAMPBELL, TODD A
350	FORSTER, PETER H
408	M BREY ELECTRIC INCORPORATED
651	KELLY, GUY R
801	CHAVEZ, JOE G
813	CONNORS, ANN J
814	ROBUCK, CECIL
821	TINGLE, DALTON D
835	CASTTANEDA, ANTHONY G
	LICITRA, MARTHA P
838	MARKS, JOHN F
862	GONZALEZ, RAMIRO
884	DEL, BLANCA
914	KELLUM, BARBARA A
926	PRAY, IRA B
938	ROJAS, JOSE A
950	ESTRADA, JOSE L
952	HAMIL, JAMES B
986	DOWDS, EVA L
995	ACOSTA, ANTHONY J
999	CONN, LESLIE F
1014	DECARRILOO, MARIA D
1026	CHESTER, WALTER T
1040	LOZITO, CHARLES L
1050	ARNOTT, SETH
1063	AARON, MICHAEL R
1073	COSTELLO, JEREMY M
1093	LOVELL, CURTIS L
1103	ARVIZU, JOSE A
1107	CLEMENT, MICHAEL G
1109	NEAL, TINISHA
1110	GONZALES, JONATHON
1111	REYNOLDS, KYMBERLY L
1118	HARRIS, DUANE
1120	CLARK, BEATRIZ
1123	DELACERDA, RAFAEL
1137	DIUGUID, J
1147	VILLASENOR, ANAROSA
1153	NUNEZ, ROBERTO B
1155	BRAWNER, JOSHUA L
1157	HOLT, CHARLES
1158	DUARTE, MATT
1162	TRUJILLO, GERARDO
1163	RIVERA, HECTOR
1164	SANCHEZ, MICHELLE
1165	RUELAS, ALBERTO L
1167	ROCHA, CYNTHIA C
1169	MURO, JAIME
1170	RENEDO, GARCIA J

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2017 (Cont'd)

1172	DANIEL, STEPHANIE L
1173	MILLER, DICKIE L
1174	CAMPBELL, JOHN V
1175	FEAZELL, ANDREW J
1180	ROBERTS, VICTOR
1185	ROBERTS, CLAIR
1205	VIZCARRA, MEDARDO
1207	BECERRA, JOSE
1218	VALLE, ALEJANDRO
1224	FORSHEE, CAROL G
1225	RILEY, THOMAS J
1235	BLOCK, LAREL A
1236	ROGERS, JOSHUA A
1242	WILDES, STANLEY L
1251	SHERRARD, PERRY O
1256	VICTORIA, FERNANDO
1266	NORTON, CLYDE F
1272	BLAIN, WELDON H
1276	KIZLER, JASON S
1282	CRUZ, TED
1285	FERMON, HAROLD E
1287	FINN, MICHAEL J
1294	SUMNER, PEGGY A
12223	COOPER, AARON A
	HENRY, TIFFANY L
12241	SCHAEPPI, SABRINA D
12485	VILLAVICENCIO, ROBERTO A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

VEILE AVE 2017

249	BEAUMONT AUTO DISMANTLING
	DIAMOND HILLS RECYCLING CENTER
	M & M AUTO WRECKING & TOWING CENTER
411	CUSTOM SURFACES INC
635	CHERRY VALLEY EQUIPMENT RENTAL INC
	MUSIC & VOICE INSTITUTE
14023	VICTORINE, PEGGY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2014

248	MEDINA, THOMAS E
286	GREEN, D
330	MCCLUNG, SCOTT A
408	M BREY ELECTRIC INCORPORATED
412	BURDICK SHEILA
651	KELLY, GUY R
801	CHAVEZ, JOE G
813	CONNORS, ANN J
814	ROBUCK, CECIL
820	COLEGIO, ESTEVAN
821	TINGLE, DAN
822	OCCUPANT UNKNOWN,
832	GALLEGOS, LEON N
835	CASTTANEDA, ANTHONY G
	LICITRA, MARTHA P
836	GIBSON, GENE
837	SULLIVAN, MATTHEW E
838	MARKS, JOHN F
845	PHAM, TICH
860	OCCUPANT UNKNOWN,
884	OCCUPANT UNKNOWN,
901	OCCUPANT UNKNOWN,
902	OCCUPANT UNKNOWN,
914	KELLUM, BARBARA A
926	PRAY, IRA B
938	ROJAS, JOSE A
950	BECKER, J
	SPANGLER, JENNIFER
952	HOUSTON, RICHARD D
986	JOHNSTON, RICHARD L
995	SIERRA, GERARDO
999	CONN, LESLIE F
1014	DECARRILOO, MARIA D
1026	CHESTER, WALTER T
1040	LOZITO, CHARLES L
1050	ARNOTT, SETH
1053	MACHADO, FRANK S
1062	STUDOR, ED D
1063	AARON, MICHAEL R
1073	COSTELLO, JEREMY M
1086	LOPEZ, HIGINIO S
1093	LOVELL, CURTIS L
1103	TROBOUGH, JEANETTE E
1107	CLEMENT, MICHAEL G
1109	NEAL, DOMINIC
1110	JOINER, VERNON L
1111	REYNOLDS, KYMBERLY L
1118	SMITH, SPRING E
1120	CLARK, BEATRIZ
1137	MARTINEZ, VICTOR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2014 (Cont'd)

1145	VILLASENOR, GERARDO
1147	VILLASENOR, ANAROSA
1151	VILLASENOR, BARBARA
1153	NUNEZ, ROBERTO B
1155	OCCUPANT UNKNOWN,
1157	HOLT, CHARLES
1158	QUEZADA, BERNIE C
1162	TRUJILLO, GERARDO
1163	RIVERA, HECTOR
1164	MEZA, RAMON
1165	RUELAS, ALBERTO L
1167	ROCHA, CYNTHAI
1168	MCMILLION, BETTY D
1169	GENARO, HERMINA
1170	GARCIA, JOSE R
1172	OCCUPANT UNKNOWN,
1173	OCCUPANT UNKNOWN,
1174	CAMPBELL, JOHN V
1175	FEAZELL, ANDREW J
1180	ROBERTS, VICTOR
1185	ROBERTS, CLAIR
1205	VIZCARRA, MEDARDO
1207	DEBECERRA, ANA M
1209	CASTRO, SANTOS A
1218	VALLE, ALEJANDRO
1224	FORSHEE, CAROL G
1225	RILEY, THOMAS J
1233	BELLO, PEDRO C
	GLICK, PAULA
	HILL, PAULA
1235	QUALITY PLUMBING
1242	RAMIREZ, JUAN J
1251	SHERRARD, PERRY O
1256	OCCUPANT UNKNOWN,
1266	SEDERSTROM, ROBERT D
1272	BLAIN, WELDON G
1276	OCCUPANT UNKNOWN,
1282	CRUZ, THEODORE M
1285	FERMON, HAROLD E
1287	FINN, MICHAEL J
1294	SUMNER, PEGGY A
12223	HENRY, CHRISTOPHER M
	OCCUPANT UNKNOWN,
12241	SCHAEPPI, JAMES A
12485	HALL, FRANKLIN R

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

VEILE AVE 2014

249	BEAUMONT AUTO DISMANTLING
	D & S TOWING
411	CUSTOM SURFACES INC
452	OCCUPANT UNKNOWN,
474	SOREN, S
635	MUSIC & VOICE INSTITUTE
14023	VICTORINE, PEGGY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2010

310	OCCUPANT UNKNOWN,
330	OCCUPANT UNKNOWN,
408	ALL PRO COUNTERTOPS
622	AMSOIL PRODUCTS
	PHILLIPS AIR
801	CHAVEZ, JOE G
813	HUFFMAN, JAMES
814	ROBUCK, CECIL
820	ESQUVEL, NAVA
821	TINGLE, DALTON D
822	OCCUPANT UNKNOWN,
832	WILLIAMS, MELINDA C
835	LICITRA, JASMINE
836	GIBSON, GENE
837	OCCUPANT UNKNOWN,
838	MARKS, JOHN F
845	PHAM, TICH
860	REYES, LUIS
862	ABARCA, FREDDY
884	DOWNING, CHARLES F
902	MARQUEZ, MARIA E
914	KELLUM, BARBARA A
926	PRAY, IRA B
938	ROJAS, JOSE A
950	BECKER, L
	HOPPER, AARON T
952	MACHADO-FRANK, SUSAN J
986	JOHNSTON, RICHARD L
995	ACOSTA, ANTHONY J
999	CONN, LESLIE F
1026	CHESTER, DANE L
1040	LOZITO, CHARLES G
1050	ARNOTT, SETH
1053	FRANK, THOMAS A
1062	STUDOR, EDWIN D
1063	OCCUPANT UNKNOWN,
1073	BOYD, MICHAEL P
1086	LOPEZ, HIGINIO S
1093	LOVELL, CURTIS L
1103	SPAID, JOSH
1107	BURNETT, ERIC
1109	OCCUPANT UNKNOWN,
1111	REYNOLDS, KYMBERLY L
1118	SMITH, SPRING E
1123	OCCUPANT UNKNOWN,
1137	OCCUPANT UNKNOWN,
1145	ABARCA, ALMA
1147	VILLASENOR, MARIA G
1151	VILLASENOR, BLANCA E
1153	NUNEZ, ROBERTO B

ELM AVE 2010 (Cont'd)

1155 BRAWNER, ACE L
1157 HOLT, DAWN A
1158 CORDERO, IRELDA I
1162 OCCUPANT UNKNOWN,
1163 PELTON, RACHEL
1164 RUELAS, ALBERTO L
1167 ALCANTAR, ALEXANDER
1169 LOPEZ, ROSS P
1170 RENEDO, JESUS C
1172 BAGWELL, ROBERT
1173 MILLER, ELEANOR A
1174 OCCUPANT UNKNOWN,
1175 LEVY, NANCY L
1180 GUTIERREZ, ROBERTO A
1185 OCCUPANT UNKNOWN,
1205 VIZCARRA, MEDARDO B
1207 DEBECER, ANA M
1209 CASTRO, SANTOS A
1218 VALLE, ALEJANDRO
1224 FORSHEE, CAROL G
1225 KNAPP, ELDON B
1233 HELMUTH, AMBER
POYNER, H
1235 BROWN, LAURA
1236 PAPKE, TOM A
PARKE RANDALL MANAGEMENT CO
1242 WILLIAMS, BONNIE W
1245 OCCUPANT UNKNOWN,
1251 SHERRARD, PERRY O
1256 VICTORIA, FERNANDO
1266 SEDERSTROM, ROBERT D
1272 BLAIN, WELDON G
1276 OCCUPANT UNKNOWN,
1282 CRUZ, THEODORE M
1285 FERMON, HAROLD E
1287 FINN, MICHAEL J
1294 SUMNER, PEGGY A
12223 FALLS, JANICE L
HENRY, CHRISTOPHER M
12241 SCHAEPPI, JAMES A
12485 HALL, FRANKLIN R

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

VEILE AVE 2010

249	BEAUMONT AUTO DISMANTLING
	D & S AUTO REPAIR & TOWING
	DIAMOND HILLS RECYCLING CTR
	M & M AUTO WRECKINGTOWING CTR
411	CUSTOM SURFACES INC
	TRIPLE THREAT MOTOR SPORTS
452	D & R AUTO BROKERS
	DUST CONTROL INC
	OCCUPANT UNKNOWN,
635	OCCUPANT UNKNOWN,
14023	VICTORINE, PEGGY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2005

248	MEDINA, JASON A
286	CAMPBELL, SUSAN C
310	KNOX, LUCILE B
330	MCCLUNG, SCOTT A
408	ALL PRO COUNTERTOPS
	WARRIOR WAGONS
622	AMS OIL PRODUCTS
	PHILLIPS AIR
801	CHAVEZ, JOE G
813	CONNORS, GEORGE K
814	ROBUCK, CECIL
820	HIGHTOWER, SCOTT A
821	TINGLE, DALTON D
822	OCCUPANT UNKNOWN,
832	QUINN, T
835	NORRIS, L S
837	RING, CONNIE C
838	MALANSON, BARBARA
	OCCUPANT UNKNOWN,
860	DURAN, JUAN M
862	LUEVANO, JAVIER
884	DOWNING, CHARLES F
914	KELLUM, BARBARA A
926	OCCUPANT UNKNOWN,
	PRAY, IRA B
938	ROJAS, JOSE A
950	GRACIANO, SARA
	OCCUPANT UNKNOWN,
952	OCCUPANT UNKNOWN,
986	DOWDS, EVA L
995	ACOSTA, ANTHONY
999	CONN, LESLIE F
1026	CHESTER, DANE L
1040	LOZITO, CHARLES G
1050	VANFOSSEN, WENDY
1053	FRANK, THOMAS A
1062	STUDOR, EDWIN D
1063	DOMINGUEZ, JOSEPH A
1073	BOYD, MICHAEL P
1086	LOPEZ, HIGINIO S
1093	LOVELL, CURTIS L
1107	BUZOFF, DEAN A
1109	QUANTARROW, RANDY L
1110	SMEAD, WALTER R
1111	REYNOLDS, KYMBERLY L
1118	SMITH, SPRING E
1120	SIERRA, ELSA
1123	DELAHUERTA, FRANK F
1137	OCCUPANT UNKNOWN,
1145	MCGUIRE, MARK E

ELM AVE 2005 (Cont'd)

1151 VILLASENOR, BLANCA
1153 NUNEZ, ROBERTO B
1155 BRAWNER, ACE L
1158 CORDERO, IRELDA
1160 FIEGER, NADIN
1162 OCCUPANT UNKNOWN,
1163 GODINEZ, L
1164 RUELAS, ALBERTO L
1165 SANCHEZ, DAVID P
1167 OCCUPANT UNKNOWN,
1168 NUNEZ, JUAN P
1169 LOPEZ, ROSS
1170 RENEDO, JESUS C
1172 BARSI, STEVE L
1173 MILLER, ELEANOR A
1174 OCCUPANT UNKNOWN,
1180 GUTIERREZ, ROBERTO A
1185 WALDEN, LARRY E
1205 VIZCARRA, MEDARDO B
1207 URIBE, VICTOR
1218 VALLE, ALEJANDRO
1224 FORSHEE, CAROL G
1225 KNAPP, ELDON C
1233 GLICK, PAULA R
1236 PAPKE, TOM A
PARKE RANDALL MANAGEMENT CO
1242 SAX, EUGENE
1251 SHERRARD, PERRY O
1256 DOMINGUEZ, ERIC Y
1266 SEDERSTROM, ROBERT D
1272 BLAIN, WELDON G
1276 SIDES, JERRY L
1282 CRUZ, THEODORE M
1285 FERMON, HAROLD E
1287 FINN, MICHAEL J
1294 SUMNER, DAVID L
12223 EASLEY, R
FREEMAN, JODEE M
12241 SCHAEPPI, JAMES A
12485 HALL, FRANKLIN R

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

VEILE AVE 2005

249	M & M AUTO WRECKING YARD
402	ALL STAR AIR CONDITIONING
411	CUSTOM SURFACES INC
	TRIPLE THREAT MOTOR SPORTS
474	TRUJILLO, TAMMY
635	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2000

248 MEDINA, THOMAS E
276 OCCUPANT UNKNOWN,
286 OCCUPANT UNKNOWN,
310 KNOX, LUCILE B
330 MCCLUNG, SCOTT A
334 CAMPBELL, C
350 FORSTER, PETER H
408 BREY ELECTRIC
OCCUPANT UNKNOWN,
412 OCCUPANT UNKNOWN,
622 AMS OIL PRODUCTS
PHILLIPS AIR
651 OCCUPANT UNKNOWN,
801 OCCUPANT UNKNOWN,
813 CONNORS, GEORGE
820 OCCUPANT UNKNOWN,
821 OCCUPANT UNKNOWN,
822 GARCIA, SANDRA
832 OCCUPANT UNKNOWN,
860 CLONINGER, CLARK
862 OCCUPANT UNKNOWN,
872 OCCUPANT UNKNOWN,
884 DOWNING, CHARLES F
901 NIXON, STELLA M
914 KELLUM, BARBARA
926 PRAY, IRA
1050 FENTON, DON
1053 OCCUPANT UNKNOWN,
1062 STUDOR, EDWIN D
1063 OCCUPANT UNKNOWN,
1073 BOYD, MICHAEL P
1086 LOPEZ, HIGINIO
1093 SHONDEL, G
1107 ANDERSON, DIANA
1109 OCCUPANT UNKNOWN,
1110 SMEAD, WALTER R
1111 OCCUPANT UNKNOWN,
1118 BILLHIMER, M L
1120 SIERRA, ELSA
1123 OCCUPANT UNKNOWN,
1145 PEREZ, SEGUNDO
1151 JOHNSON, DAREL A
1153 OCCUPANT UNKNOWN,
1155 OCCUPANT UNKNOWN,
1158 CORDERO, IRELDA
1162 OCCUPANT UNKNOWN,
1163 OCCUPANT UNKNOWN,
1164 RUELAS, ALBERTO L
1165 CORNETT, RACHEL
1167 CUNNINGHAM, L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 2000 (Cont'd)

1168 OCCUPANT UNKNOWN,
1169 OCCUPANT UNKNOWN,
1170 RENEDO, JESUS C
1172 OCCUPANT UNKNOWN,
1173 OCCUPANT UNKNOWN,
1174 OCCUPANT UNKNOWN,
1175 COVINGTON, G L
1180 OCCUPANT UNKNOWN,
1185 MCCONNELL, WALTER D
1205 OCCUPANT UNKNOWN,
1207 AKER, KEITH E
1218 VALLE, ROSARIO
1224 FORSHEE, CAROL G
1225 KNAPP, ELDON
1233 GLICK, P
1235 OCCUPANT UNKNOWN,
1236 OCCUPANT UNKNOWN,
1237 OCCUPANT UNKNOWN,
1242 OCCUPANT UNKNOWN,
1251 OCCUPANT UNKNOWN,
1266 OCCUPANT UNKNOWN,
1272 BLAIN, WELDON
1276 SHELLEY, AARON
1285 FERMON, HAROLD E
1287 OCCUPANT UNKNOWN,
1294 SUMNER, DAVID L
12241 SCHAEPPI, DEBBIE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

VEILE AVE 2000

249 M & M AUTO WRECKING YARD
411 TORO AIRE
635 LARA, ROSALIO L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 1995

248	MEDINA, THOMAS E
286	CAMPBELL, TODD
310	KNOX, OSCAR S
330	MCCLUNG, SCOTT A
334	CAMPBELL, C
350	FORSTER, PETER H
408	BREY ELECTRIC
622	AMS OIL PRODUCTS
	PHILLIPS AIR
651	STENMARK, JEAN C
813	CONNORS, GEORGE
814	OCCUPANT UNKNOWNN
820	OCCUPANT UNKNOWNN
821	OCCUPANT UNKNOWNN
822	GARCIA, SANDRA
832	HOYT, NADINE M
838	HOYT, RICHARD B
860	OCCUPANT UNKNOWNN
862	MARTINEZ, JUAN
884	DOWNING, CHARLES F
901	BRONSON, GILBERT D
902	BRUNS, FRANK A
914	SIDDONS, GORDON
926	PRAY, IRA
938	OCCUPANT UNKNOWNN
950	OCCUPANT UNKNOWNN
952	MERRILL, EARL
986	OCCUPANT UNKNOWNN
995	OCCUPANT UNKNOWNN
999	CONN, LESLIE F
1014	TAYLOR, JAMES
1026	HANNIGAN, SHERYL
1040	OCCUPANT UNKNOWNN
1050	OCCUPANT UNKNOWNN
1062	STUDOR, EDWIN D
1073	BOYD, MICHAEL P
1086	LOPEZ, HIGINIO
1093	OCCUPANT UNKNOWNN
1107	ANDERSON, TODD
1109	OCCUPANT UNKNOWNN
1111	CRANE, TERI
1118	BILLHIMER, J J SR
1120	OCCUPANT UNKNOWNN
1123	OCCUPANT UNKNOWNN
1137	WETMORE, LAURA
1145	PEREZ, SEGUNDO
1151	LAWHEAD, MICHAEL G
1153	RODRIGUEZ, GREG
1158	OCCUPANT UNKNOWNN
1160	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 1995 (Cont'd)

1162	OCCUPANT UNKNOWNN
1163	OCCUPANT UNKNOWNN
1164	KALK, RICHARD
1165	OCCUPANT UNKNOWNN
1167	OCCUPANT UNKNOWNN
1168	ELAM, M
1169	HAWKINS, TRAVIS L
1170	RENEDO, JESUS
1172	ARMITAGE, STEVEN A
1173	MILLER, ELEANOR A
1174	OCCUPANT UNKNOWNN
1175	COVINGTON, G L
1180	BRADLEY, DONALD
1185	MCCONNELL, WALTER D
1205	VIZCARRA, MEDARDO
1207	AKER, KEITH E
1218	OCCUPANT UNKNOWNN
1224	FORSHEE, CAROL G
1225	KNAPP, ELDON
1233	TLICK, P
1235	BLOCK, LAREL A
1236	PAPKE, T A
1251	OCCUPANT UNKNOWNN
1256	ENDRES, ANNIE K
1266	KOELLER, HUBERT G
1272	BLAIN, WELDON
1276	OCCUPANT UNKNOWNN
1282	OCCUPANT UNKNOWNN
1285	OCCUPANT UNKNOWNN
1287	YAN, WAI K
1294	SUMNER, DAVID L
12241	SCHAEPPI, JIM

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

VEILE AVE 1995

411 TORO AIRE INC
474 PALACIOS, JESUS
635 CRUZ, JERRY A
LARA, ROSALIO L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ELM AVE 1992

248	MEDINA, THOMAS E
310	KNOX, OSCAR S
408	BREY ELC BCKHOE&DMP
412	C B CABINETS
622	PHILLIPS AIR
651	STENMARK, J K
813	CONNORS, GEORGE
821	BALDWIN, JAMES L
822	GARCIA, SANDRA
835	GARIBAI, JESUS
862	MARTINEZ, JUAN
901	BRONSON, GILBERT D
902	BRUNS, FRANK A
914	SIDDONS, GORDON
926	LASSON, ALVA K
	PRAY, IRA
952	MERRILL, EARL
986	DOWDS, EVA L
1040	DEL, RIO T
1062	STUDOR, EDWIN D
1073	RAMSEY, ROBERT
1086	LOPEZ, HIGINIO
1111	CRANE, DONALD
1118	BILLHIMER, J J SR
1145	PEREZ, SEGUNDO
1153	RODRIGUEZ, GREG
1163	YOO, HYUN
1164	CAM CONSTRUCTION
1165	PALACIOS, P
1167	CUNNINGHAM, STEVEN M
1168	ELAM, M
1169	HAWKINS, TRAVIS L
1173	MILLER, ELEANOR A
1175	COVINGTON, G L
1185	MCCONNELL, WALTER D
1207	AKER, KEITH E
1218	VALLE, A
1225	KNAPP, ELDON
1233	TLICK, P
1256	ENDRES, ANNIE K
1266	KOELLER, HUBERT G
1272	BLAIN, WELDON
1287	YAN, WAI K
1294	SUMNER, DAVID L
12241	BOSWELL, MELVIN L

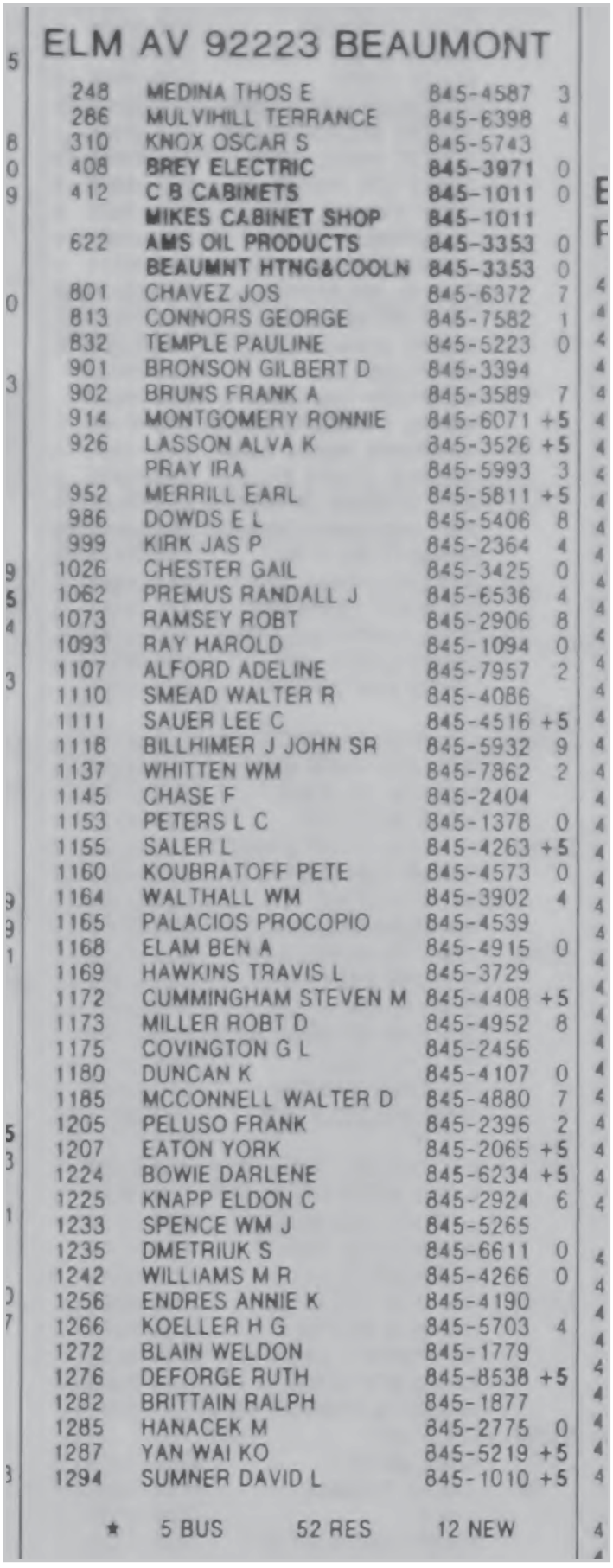
Target Street	Cross Street	Source
-	✓	EDR Digital Archive

VEILE AVE 1992

635 CRUZ, JERRY A

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ELM AVE 1985



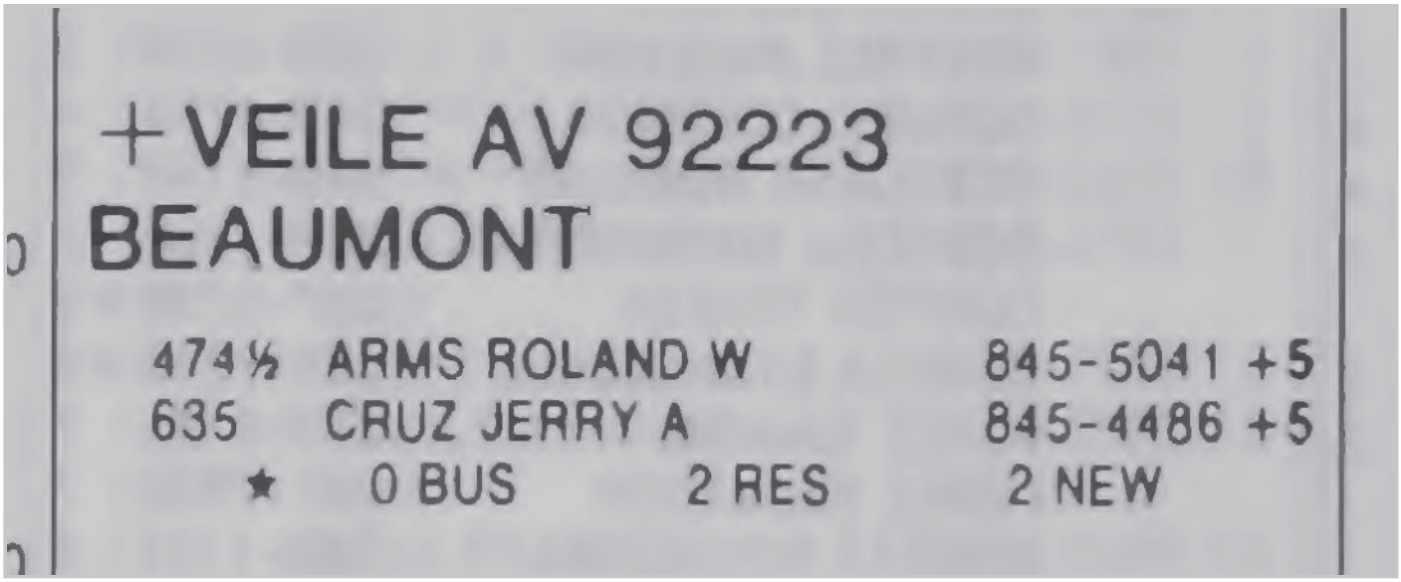
ELM AV 92223 BEAUMONT

248	MEDINA THOS E	845-4587	3
286	MULVIHILL TERRANCE	845-6398	4
310	KNOX OSCAR S	845-5743	
408	BREY ELECTRIC	845-3971	0
412	C B CABINETS	845-1011	0
	MIKES CABINET SHOP	845-1011	
622	AMS OIL PRODUCTS	845-3353	0
	BEAUMNT HTNG&COOLN	845-3353	0
801	CHAVEZ JOS	845-6372	7
813	CONNORS GEORGE	845-7582	1
832	TEMPLE PAULINE	845-5223	0
901	BRONSON GILBERT D	845-3394	
902	BRUNS FRANK A	845-3589	7
914	MONTGOMERY RONNIE	845-6071	+5
926	LASSON ALVA K	845-3526	+5
	PRAY IRA	845-5993	3
952	MERRILL EARL	845-5811	+5
986	DOWDS E L	845-5406	8
999	KIRK JAS P	845-2364	4
1026	CHESTER GAIL	845-3425	0
1062	PREMUS RANDALL J	845-6536	4
1073	RAMSEY ROBT	845-2906	8
1093	RAY HAROLD	845-1094	0
1107	ALFORD ADELINE	845-7957	2
1110	SMEAD WALTER R	845-4086	
1111	SAUER LEE C	845-4516	+5
1118	BILLHIMER J JOHN SR	845-5932	9
1137	WHITTEN WM	845-7862	2
1145	CHASE F	845-2404	
1153	PETERS L C	845-1378	0
1155	SALER L	845-4263	+5
1160	KOUBRATOFF PETE	845-4573	0
1164	WALTHALL WM	845-3902	4
1165	PALACIOS PROCOPIO	845-4539	
1168	ELAM BEN A	845-4915	0
1169	HAWKINS TRAVIS L	845-3729	
1172	CUMMINGHAM STEVEN M	845-4408	+5
1173	MILLER ROBT D	845-4952	8
1175	COVINGTON G L	845-2456	
1180	DUNCAN K	845-4107	0
1185	MCCONNELL WALTER D	845-4880	7
1205	PELUSO FRANK	845-2396	2
1207	EATON YORK	845-2065	+5
1224	BOWIE DARLENE	845-6234	+5
1225	KNAPP ELDON C	845-2924	6
1233	SPENCE WM J	845-5265	
1235	DMETRIUK S	845-6611	0
1242	WILLIAMS M R	845-4266	0
1256	ENDRES ANNIE K	845-4190	
1266	KOELLER H G	845-5703	4
1272	BLAIN WELDON	845-1779	
1276	DEFORGE RUTH	845-8538	+5
1282	BRITTAIN RALPH	845-1877	
1285	HANACEK M	845-2775	0
1287	YAN WAI KO	845-5219	+5
1294	SUMNER DAVID L	845-1010	+5

★ 5 BUS 52 RES 12 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

VEILE AVE 1985

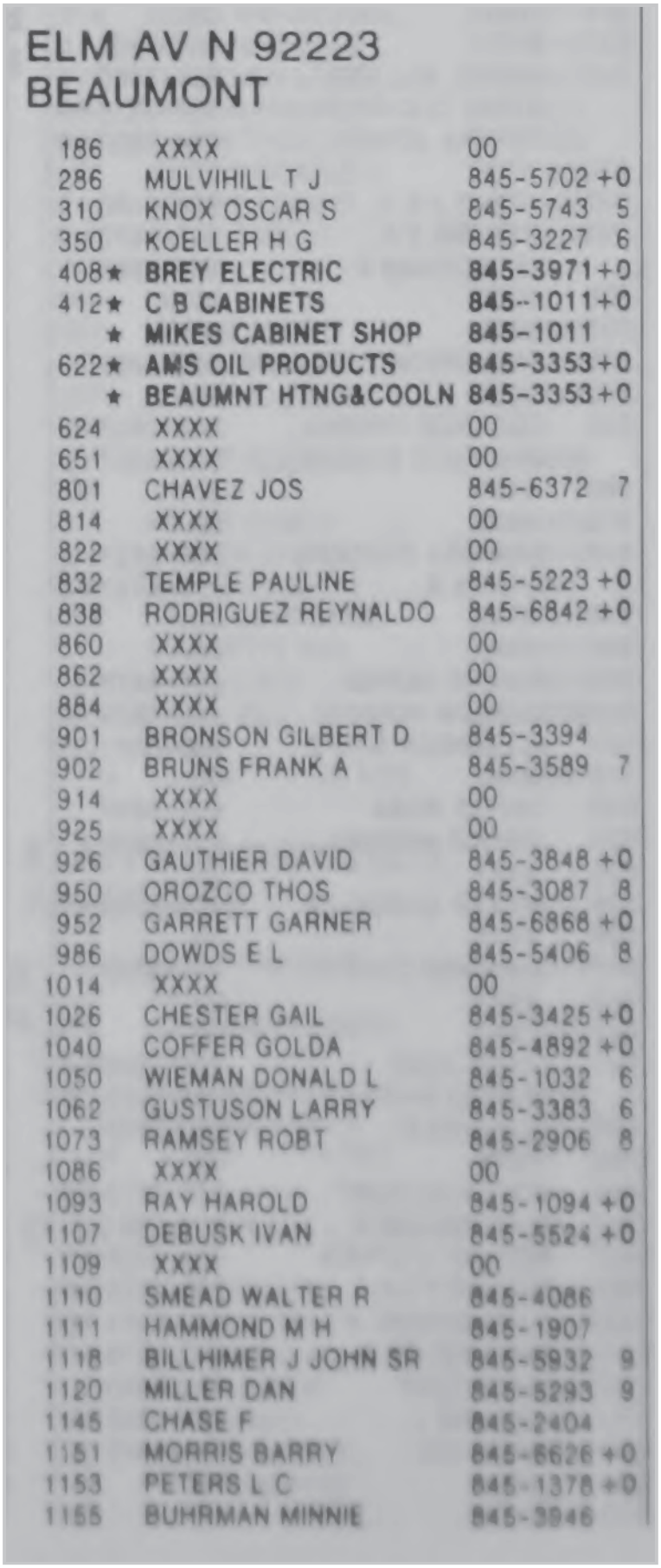


+VEILE AV 92223
BEAUMONT

474½	ARMS ROLAND W	845-5041 +5
635	CRUZ JERRY A	845-4486 +5
★	0 BUS 2 RES	2 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ELM AVE 1980



ELM AV N 92223
BEAUMONT

186	XXXX	00
286	MULVIHILL T J	845-5702 +0
310	KNOX OSCAR S	845-5743 5
350	KOELLER H G	845-3227 6
408★	BREY ELECTRIC	845-3971+0
412★	C B CABINETS	845-1011+0
★	MIKES CABINET SHOP	845-1011
622★	AMS OIL PRODUCTS	845-3353+0
★	BEAUMNT HTNG&COOLN	845-3353+0
624	XXXX	00
651	XXXX	00
801	CHAVEZ JOS	845-6372 7
814	XXXX	00
822	XXXX	00
832	TEMPLE PAULINE	845-5223 +0
838	RODRIGUEZ REYNALDO	845-6842 +0
860	XXXX	00
862	XXXX	00
884	XXXX	00
901	BRONSON GILBERT D	845-3394
902	BRUNS FRANK A	845-3589 7
914	XXXX	00
925	XXXX	00
926	GAUTHIER DAVID	845-3848 +0
950	OROZCO THOS	845-3087 8
952	GARRETT GARNER	845-6868 +0
986	DOWDS E L	845-5406 8
1014	XXXX	00
1026	CHESTER GAIL	845-3425 +0
1040	COFFER GOLDA	845-4892 +0
1050	WIEMAN DONALD L	845-1032 6
1062	GUSTUSON LARRY	845-3383 6
1073	RAMSEY ROBT	845-2906 8
1086	XXXX	00
1093	RAY HAROLD	845-1094 +0
1107	DEBUSK IVAN	845-5524 +0
1109	XXXX	00
1110	SMEAD WALTER R	845-4086
1111	HAMMOND M H	845-1907
1118	BILLHIMER J JOHN SR	845-5932 9
1120	MILLER DAN	845-5293 9
1145	CHASE F	845-2404
1151	MORRIS BARRY	845-8626 +0
1153	PETERS L C	845-1378 +0
1155	BUHRMAN MINNIE	845-3946

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ELM AVE 1980

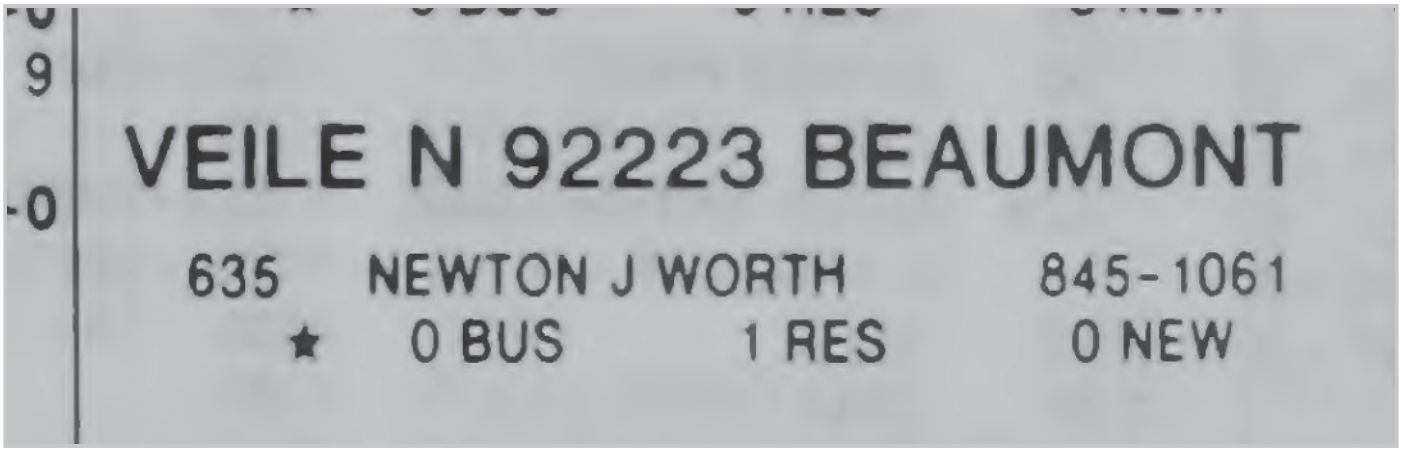
..ELM AV N 92223 CONT..

1158	GALLUP LOUIS S	845-2365 +0
1160	KOUBRATOFF PETE	845-4573 +0
1162	BOSWELL LILLIAN	845-6432 +0
1163	THEUVENET PHIL J	845-2262 +0
1164	WALTHALL WM	845-3902 +0
1165	PALACIOS PROCOPIO	845-4539
1168	ELAM BEN A	845-4915 +0
1169	HAWKINS TRAVIS L	845-3729
1170	BOZZO PAUL C	845-1495 +0
1172	HAMILTON JACK	845-3789 +0
1173	MILLER ROBT D	845-4952 8
1175	COVINGTON G L	845-2456
1180	DUNCAN K	845-4107 +0
1185	MCCONNELL WALTER D	845-4880 7
1205	RIGSBY ALBERT M	845-4098 9
1207	KOLEFF NICK	845-1867
1218	XXXX	00
1224	GEHRING OSCAR E	845-6911 +0
1225	KNAPP ELDON C	845-2924 6
1233	SPENCE WM J	845-5265
1235	DMETRIUK S	845-6611 +0
1242	WILLIAMS M R	845-4266 +0
1251	COULTER DAN G	845-4074 5
1256	ENDRES ANNIE K	845-4190
1266	XXXX	00
1272	BLAIN WELDON	845-1779
1276	XXXX	00
1282	BRITTAIN RALPH	845-1877
1285	HANACEK M	845-2775 +0
1287	YAN WAIKO	845-5219 +0
1294	SUMNER DAVID L	845-1010 +0
12241	BOSWELL MELVIN L	845-5904 +0

★ 5 BUS 72 RES 31 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

VEILE AVE 1980



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-	✓	Haines Criss-Cross Directory

ELM AVE 1976

ELM AV N 92223 BEAUMONT

286	TERRY J	845-5702+6
310	KNOX OSCAR S	845-5743 5
350	KOELLER H G	845-3227+6
408	*BREY ELECTRIC	845-3971
412	*MIKES CABINET SHOP	845-1011
622	*BEAUMNT HTNG&CLNG	845-3353+6
624	XXXX	OO
651	ZUMBRO ROBT J	845-2856 5
801	CHAVEZ JOS	845-1212 5
814	XXXX	OO
822	DAVIES E A	845-3464+6
832	TEMPLE PAULINE	845-5223 5
838	SIMPSON H J	845-1508
860	COOPER GEO	845-5207+6
862	XXXX	OO
884	TRIFFIN MIKE	845-5185 5
901	BRONSON GILBERT D	845-3394
902	THOMPSON RENA P	845-3589 5
914	PETTIT JERRY	845-3436+6
925	XXXX	OO
926	HERSHBERGER C	845-2407+6
950½	GONZALES ALFONSO	845-5995+6
986	BIRDSELL GEO L	845-4202+6
	BIRDSELL JANICE	845-4202+6
1014	BRAWNER LELAND	845-1784
1026	CHESTER GAIL	845-3425
1040	COFFER GOLDA	845-4892
1050	WIEMAN DONALD L	845-1032+6
1062	GUSTUSON LARRY	845-3383+6
1073	COCHARD THOS S	845-2906
1086	XXXX	OO
1093	RAY HAROLD	845-1094 3
1107	XXXX	OO
1109	*THREE RNGS RNCH MGR	845-3098 4
1110	SMEAD WALTER R	845-4086
1111	HAMMOND M H	845-1907
1120	IVANOVA DRAGA	845-5293
1145	CHASE F	845-2404

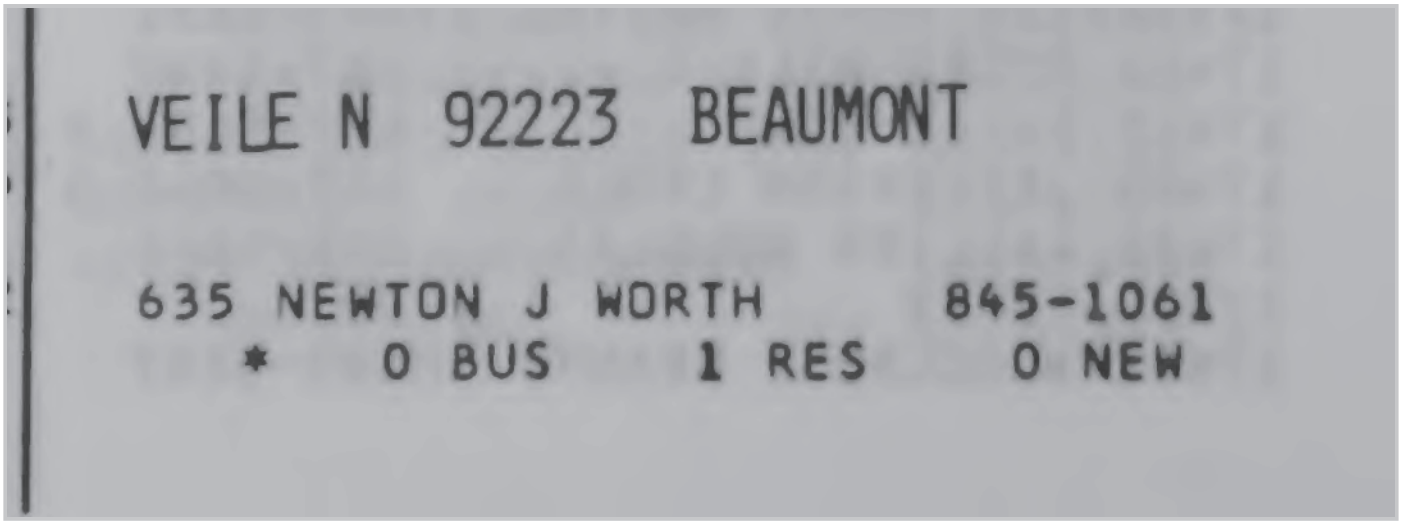
Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ELM AVE 1976

..ELM	AV N	92223 CONT..	.
1151	DODY EARL	845-1270+6	
1153	PETERS F A	845-1378	
1155	BUHRMAN MINNIE	845-3946	
1158	GALLUP LOUIS S	845-2365	
1160	KOUBRATOFF PETE	845-4573	
1162	THOMAS J A	845-5742+6	
1163	THEUZENET PHIL J	845-2262 5	
1164	GRAIFF DARWIN L	845-3920+6	
1165	PALACIOS PROCOPIO	845-4539	
1168	ELAM BEN A	845-4915	
1169	HAWKINS TRAVIS L	845-3729	
1170	XXXX	OO	
1172	HAMILTON JACK	845-3789	
1173	BJORNBERG DAVID C	845-5840+6	
1175	COVINGTON G L	845-2456	
1180	DUNCAN K	845-4107	
1205	LAYBOURN A K	845-3905 5	
1207	KOLEFF NICK	845-1867	
1218	GILL TIM	845-5330 3	
1224	EDWARDSON NORMAN	845-4366 5	
1225	KNAPP ELDON C	845-2924+6	
1233	SPENCE WM J	845-5265	1
1235	THOMAS DANL F	845-1285 5	
	THOMAS M	845-1285 5	
1242	MEJTA ADOLF	845-2853	
1251	COULTER DAN G	845-4074 5	1
1256	ENDRES ANNIE K	845-4190	
1266	XXXX	OO	1
1272	BLAIN WELDON	845-1779	
1276	XXXX	OO	1
1282	BRITTAIN RALPH	845-1877	1
1285	HANACEK M	845-2775 5	
1287*	ORMEROD JIM TAX SRV	845-3223	
1294	SUMNER DAVID L	845-1010 5	
NO #	*WELLWOOD ELEM SCH	845-1903	1
	* 6 BUS 67 RES	17 NEW	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

VEILE AVE 1976



Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ELM AVE 1971

ELM AV N 92223 BEAUMONT

286	MOORE JAS	845-5659
310	KNOX OSCAR S	845-2403
408*	BREY ELECTRIC	845-3971
412*	MIKES CABINET SHOP	845-1011
622*	BEAUMONT HTG&VNTLTG	845-3353
651	SMITH ELDON W	845-3074
801	SHACKLES EVERETT	845-1386
820	QUINN MARIE A	845-1970
822	FISHER ALFRED W	845-1839
832	CHAPIN GILBERT	845-2953
838	SIMPSON H J	845-1508
860	WALLACE J C	845-2768
901	BRONSON GILBERT D	845-3394
902	THOMPSON RENA P	845-3589
925	WILLIAMS MINNIE	845-5429
926	MYERS HARRY H	845-3690
950	WEST JAS	845-4106
986	FALCON STEVE	845-2940
1014	BRAWNER LELAND	845-1784
1026	CHESTER GAIL	845-3425
1040	COFFER GOLDA	845-4892
1050	GRIMES GARY	845-1890
1062	WIEMAN DONALD L	845-1032
1073	COCHARD THOS S	845-2906
1086	BUDINSKY STEVEN	845-2508
1107	PLAUMAN LOUISE MRS	845-1778
1109*	THREE RINGS RANCH	845-3098
1110	SMEAD WALTER R	845-4086
1111	HAMMOND M H	845-1907
1120	IVANOVA DRAGA	845-5293
1145	CHASE F	845-2404
1151	LIGER JACK	845-1231
1153	PETERS F A	845-1378
1155	BUHRMAN MINNIE	845-3946

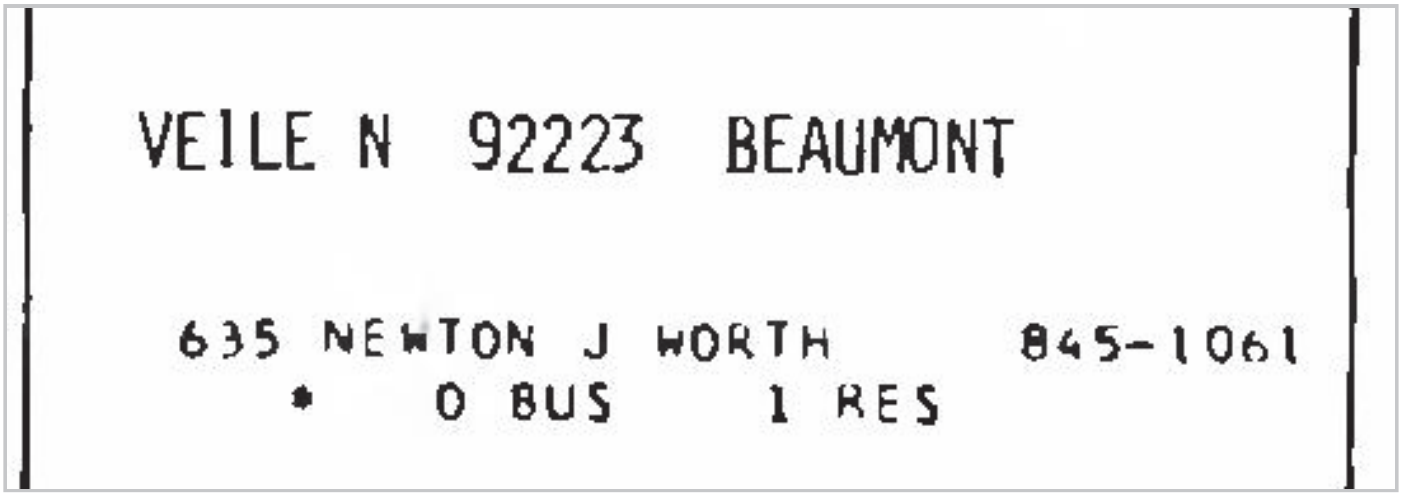
Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

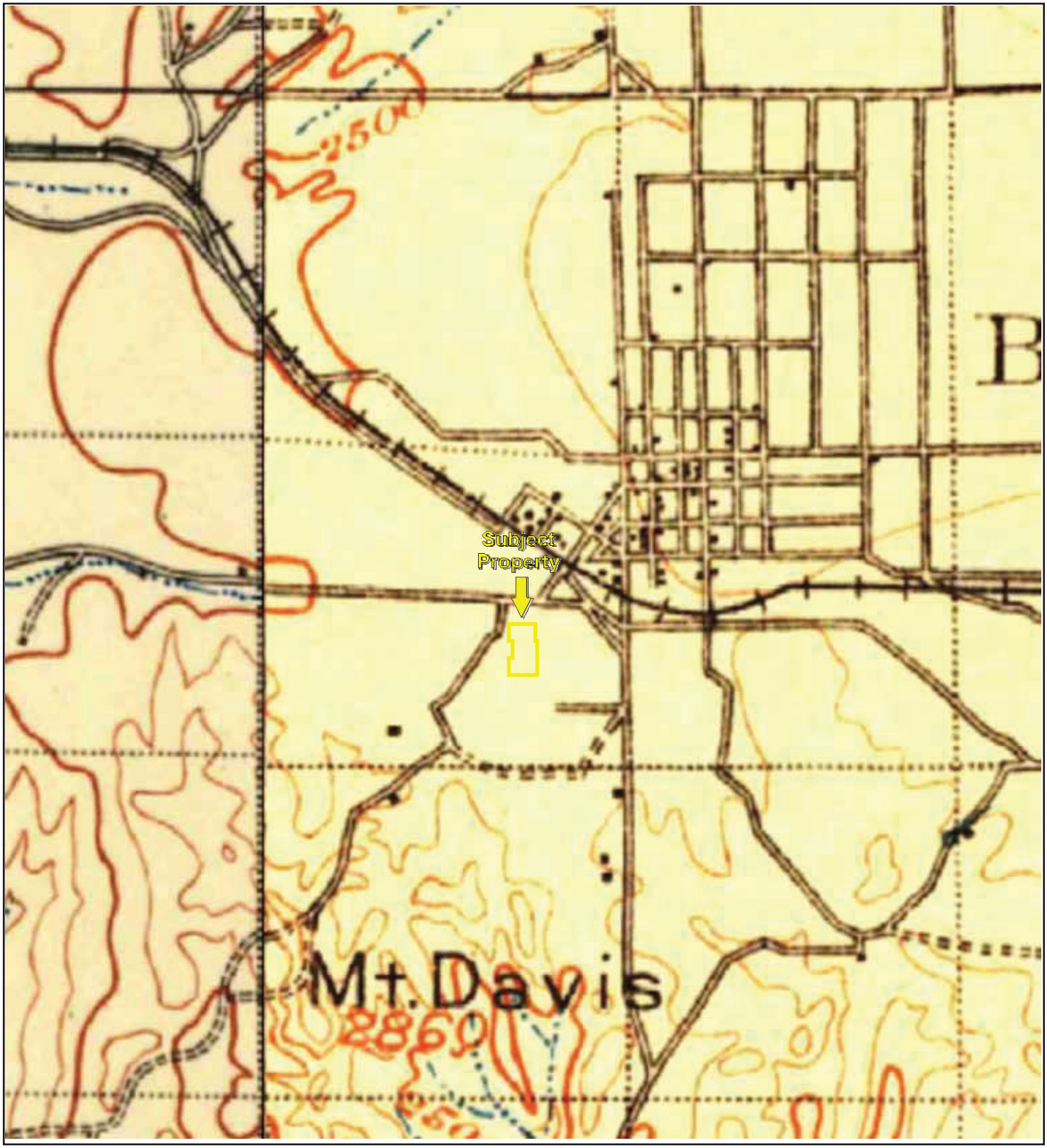
ELM AVE 1971

1158 GALLUP LOUIS S 845-2365
1160 KOUBRATOFF PETE 845-4573
1163 HAM JAS 845-2762
1165 PALACIOS PROCOPIO 845-4539
1168 ELAM BEN A 945-4915
1169 HAWKINS TRAVIS L 845-3729
1170 COIL FRANK MRS 845-3241
1172 HAMILTON JACK 845-3789
1175 COVINGTON G L 845-2456
1180 DUNCAN K 845-4107
1205 FORD T M JR 845-2897
1207 KOLEFF NICK 845-1867
1218 TOWILL FREDERICK 845-3455
1224 RAYMOND PAMELA M 845-5489
1225 ROMAINE HARDLO L 845-1894
1233 SPENCE WM J 845-5265
1235 LEAS WINNIFRED B 845-3206
1242 MEJTA ADOLF 845-2853
1251 CARTER LAURA 845-4839
1256 ENDRES ANNIE K 845-4190
1266 VLASEK JOHN 845-1080
1272 BLAIN WELDON 845-1779
1276 AVINA ANTHONY 845-4469
1282 BRITTAIN RALPH 845-1877
1287*DRMEROD JIM TAX SRV 845-3223
1294 SUMNER DAVID L 845-1010
ND #*BEAUMONT TITLE ONE 845-4010
ND #*BEAUMONO WLLWO ELEM 845-1903
ND #*WELLWOOD ELEM SCH 945-1903
* 8 BUS 55 RES

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

VEILE AVE 1971



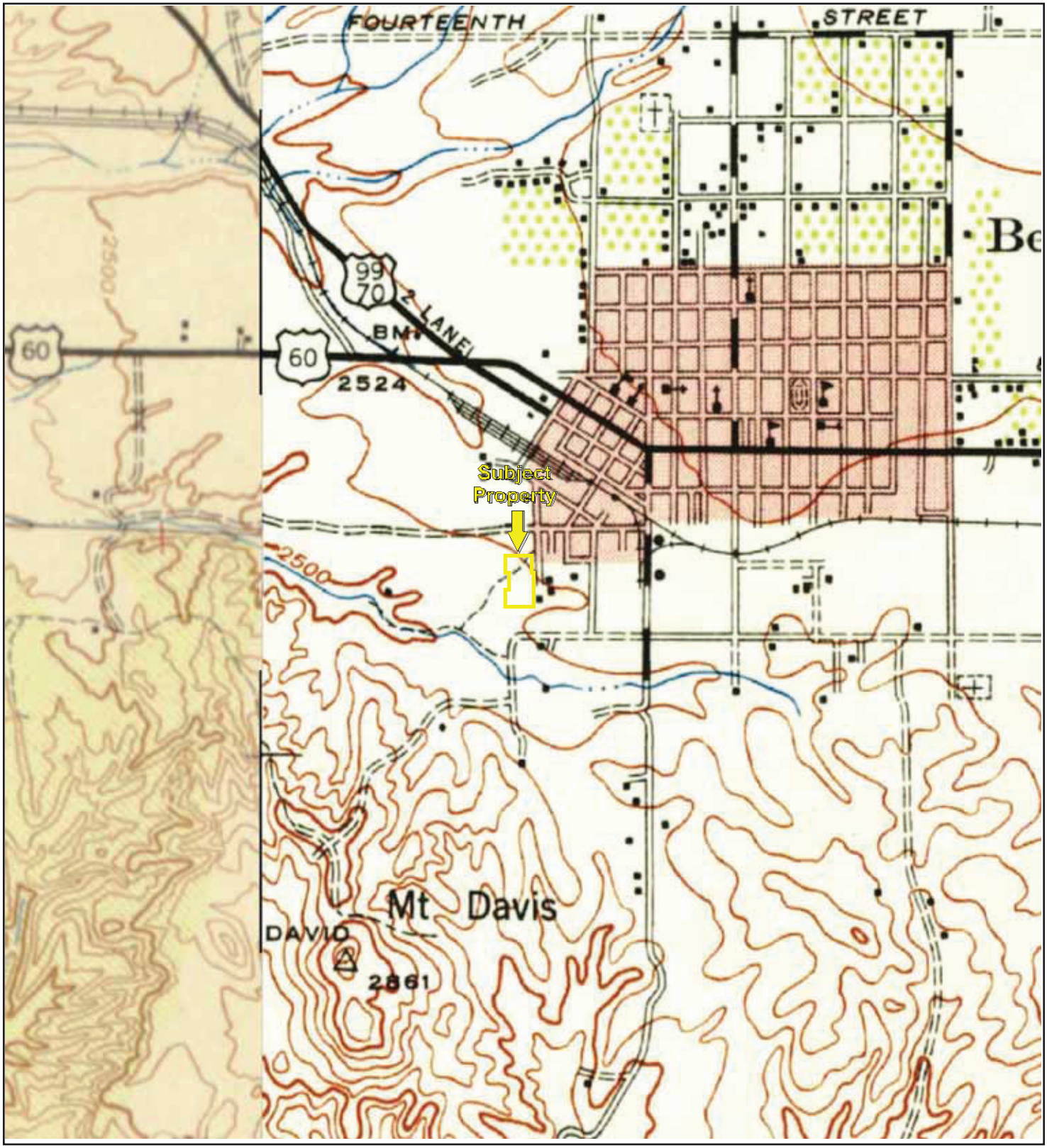


TP, San Jacinto, 1901, 30-minute
SW, Elsinore, 1901, 30-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

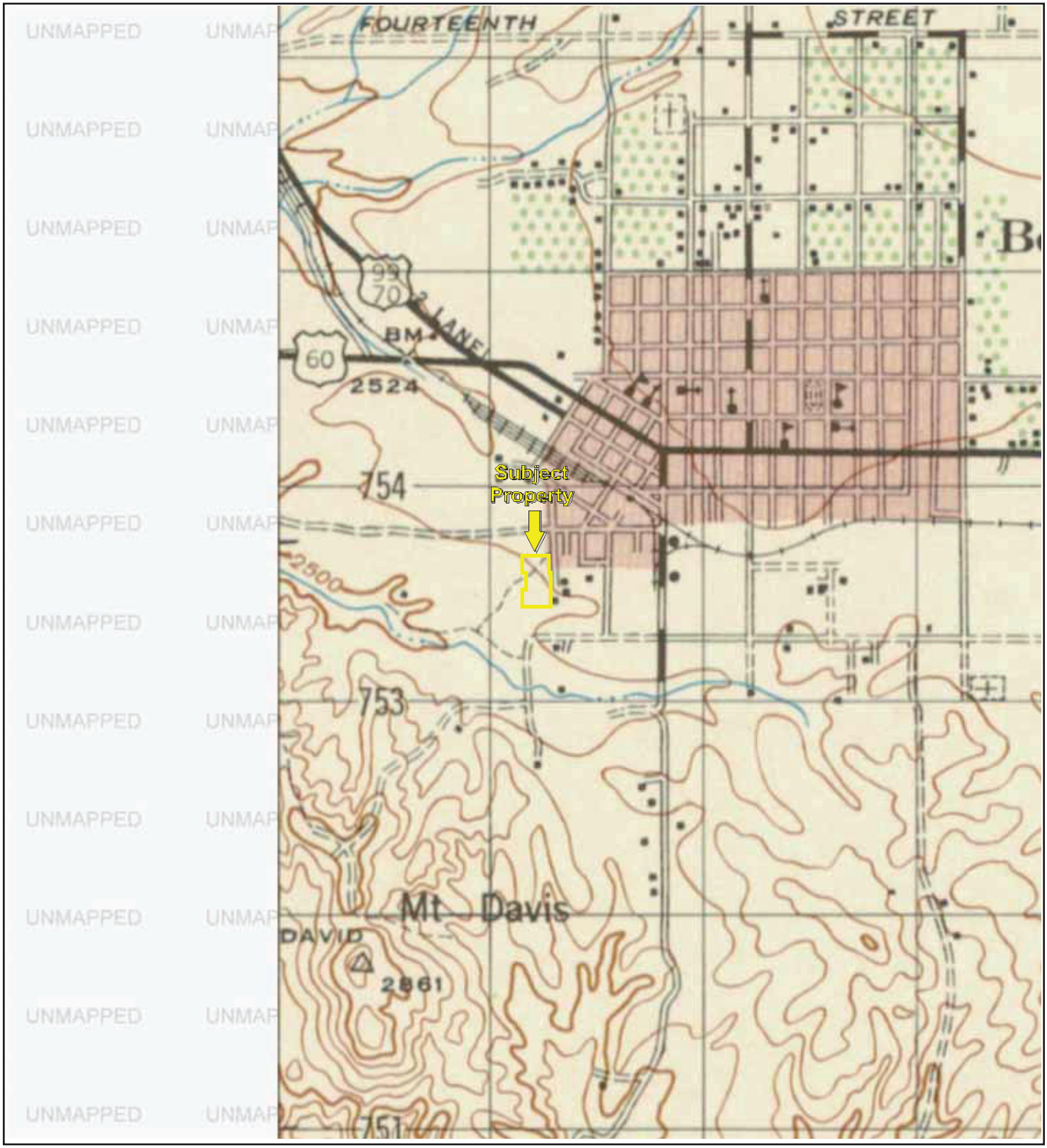


TP, Banning, 1943, 15-minute
SW, PERRIS, 1943, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

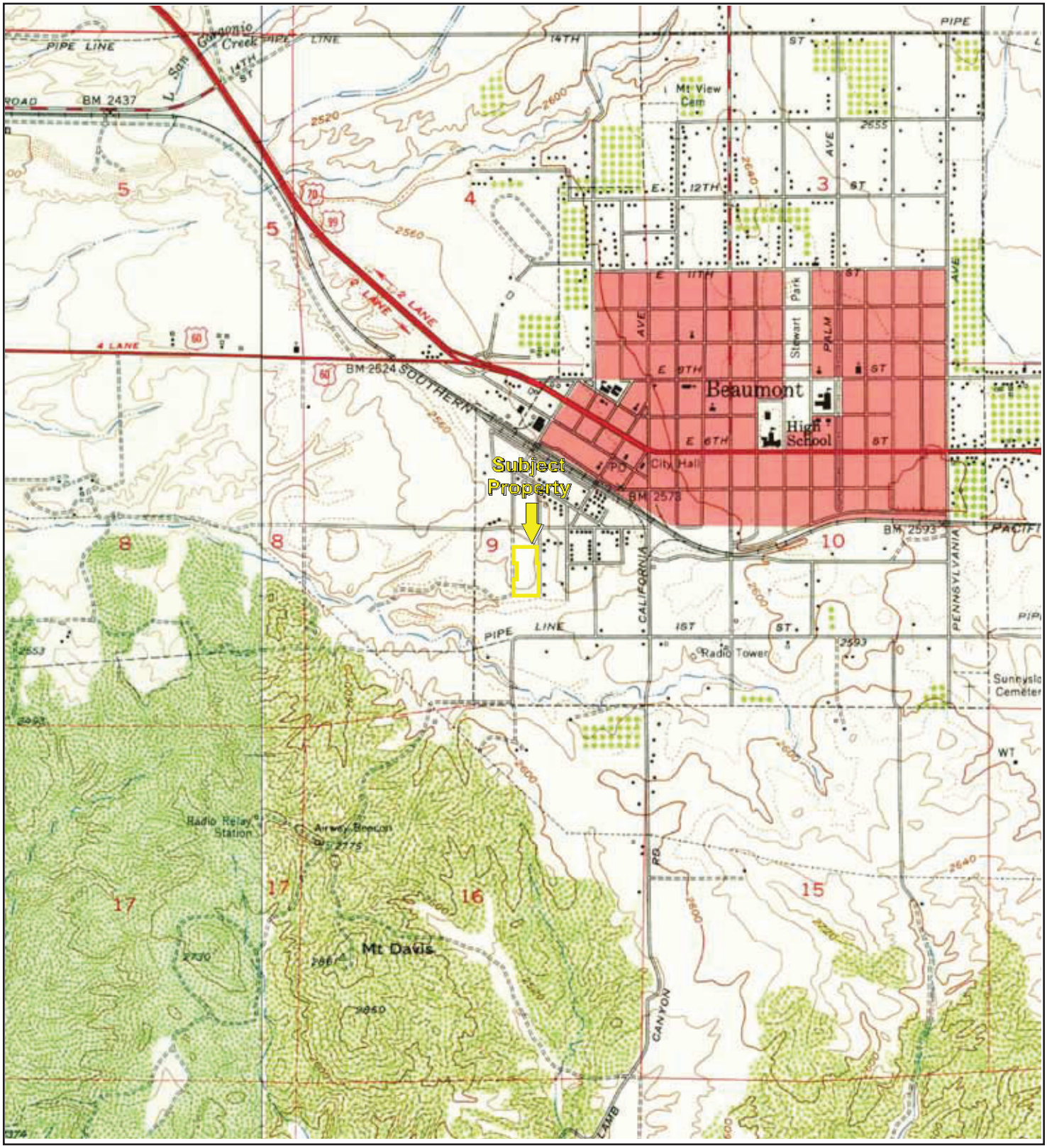


TP, BANNING, 1948, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Beaumont, 1953, 7.5-minute
W, El Casco, 1953, 7.5-minute

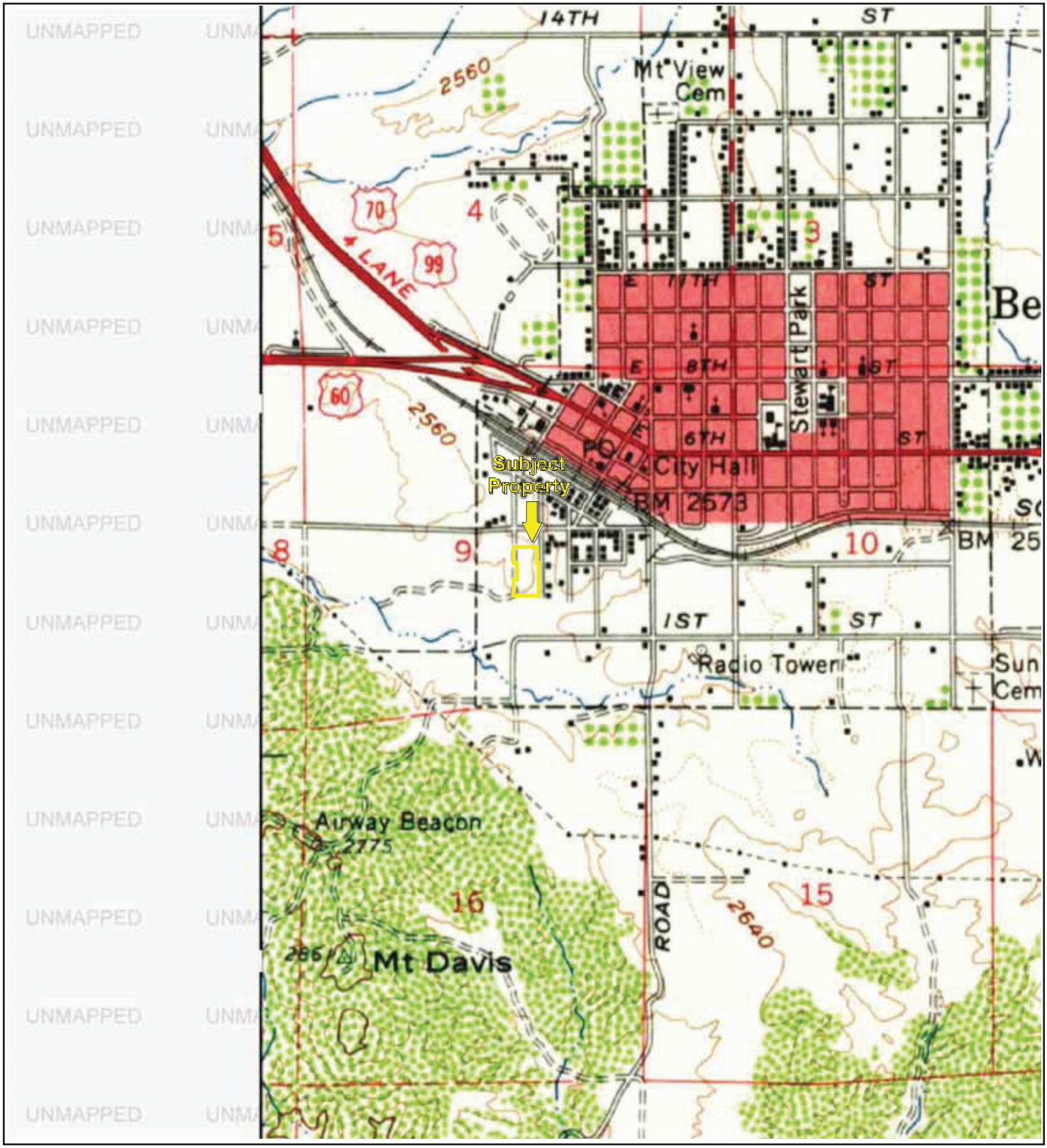
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-310772.1

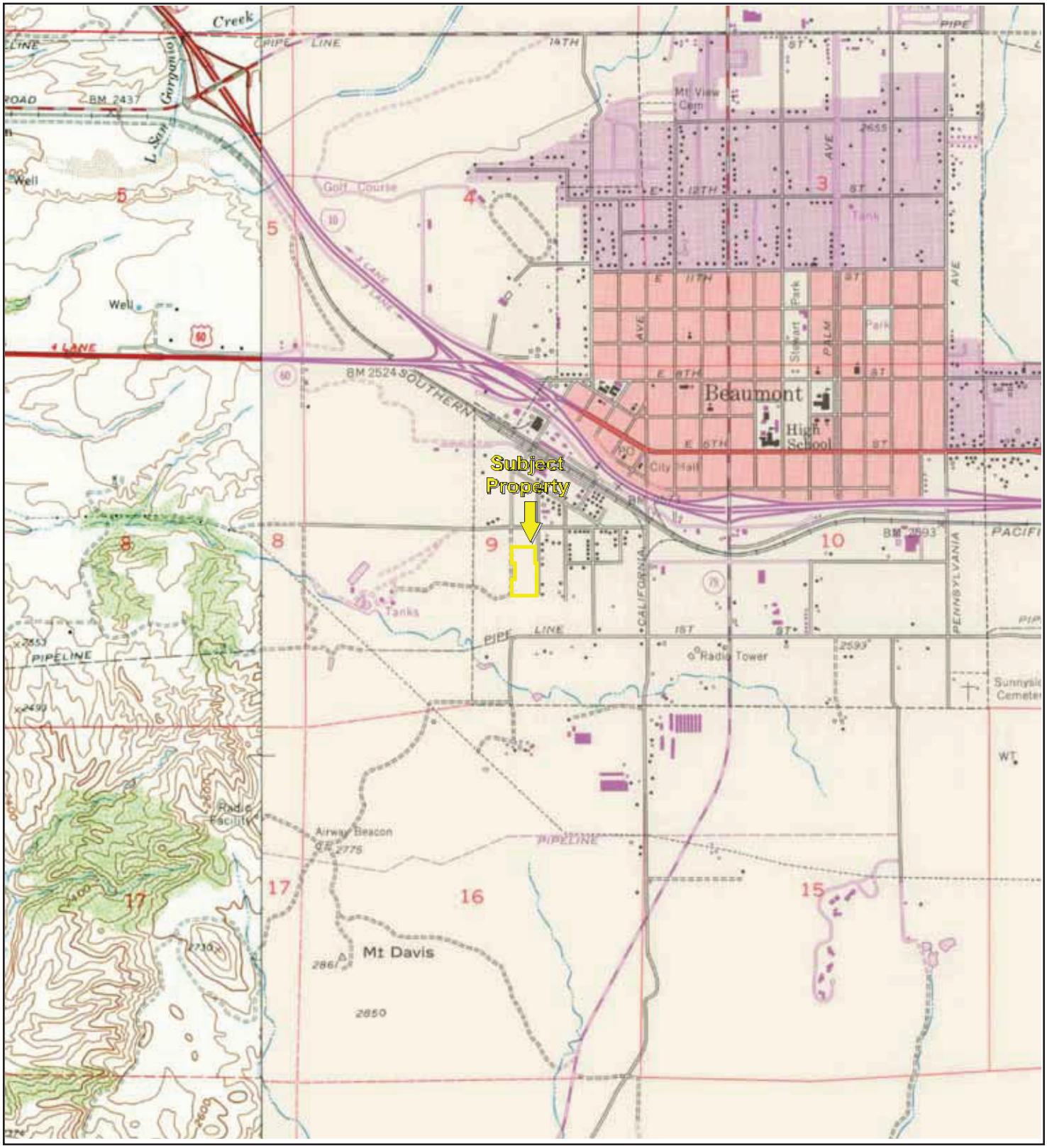


TP, Banning, 1956, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Beaumont, 1972, 7.5-minute
W, El Casco, 1967, 7.5-minute

0 Miles 0.25 0.5 1 1.5

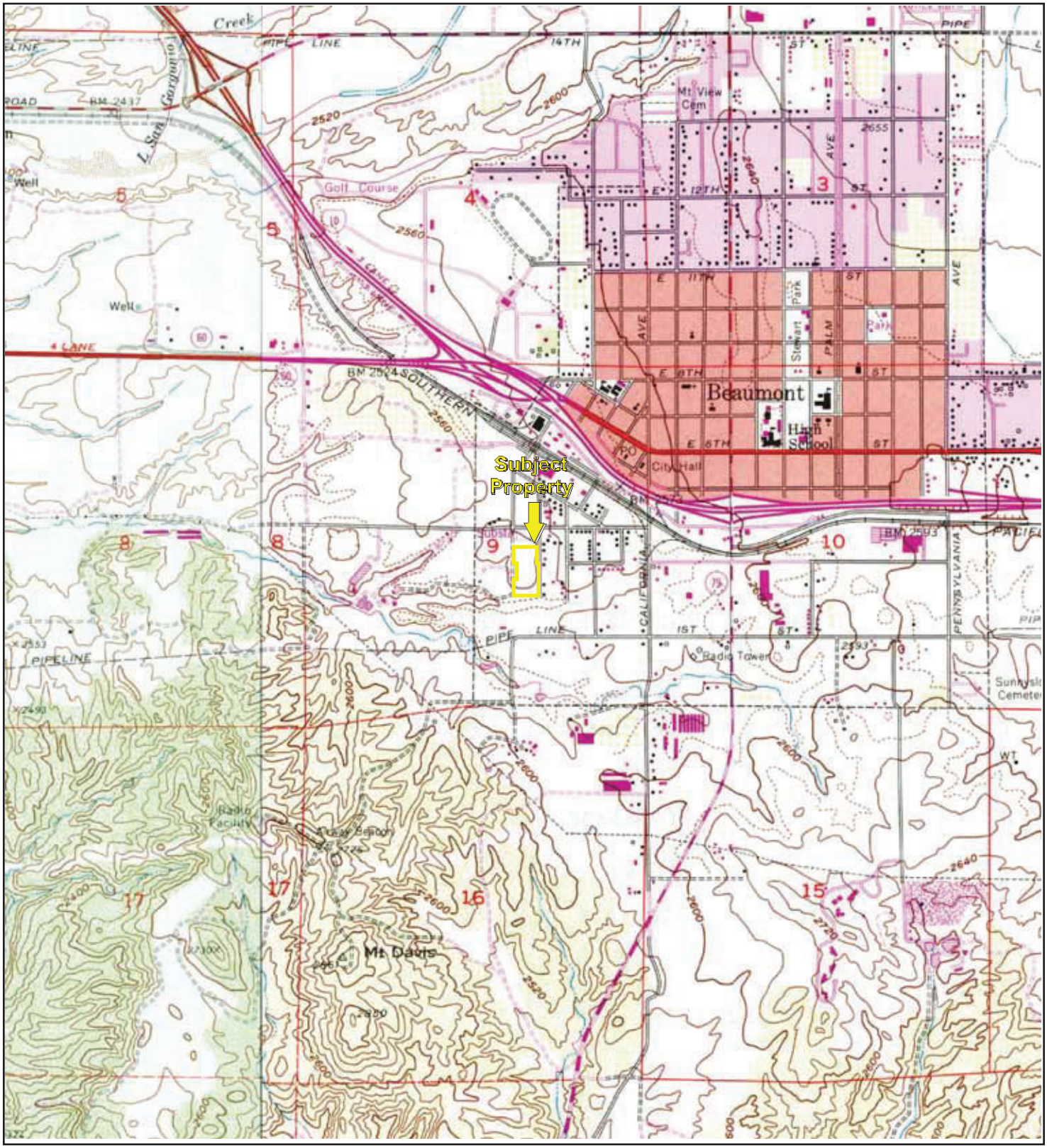
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-310772.1

PARTNER



TP, Beaumont, 1979, 7.5-minute
W, El Casco, 1979, 7.5-minute

0 Miles 0.25 0.5 1 1.5

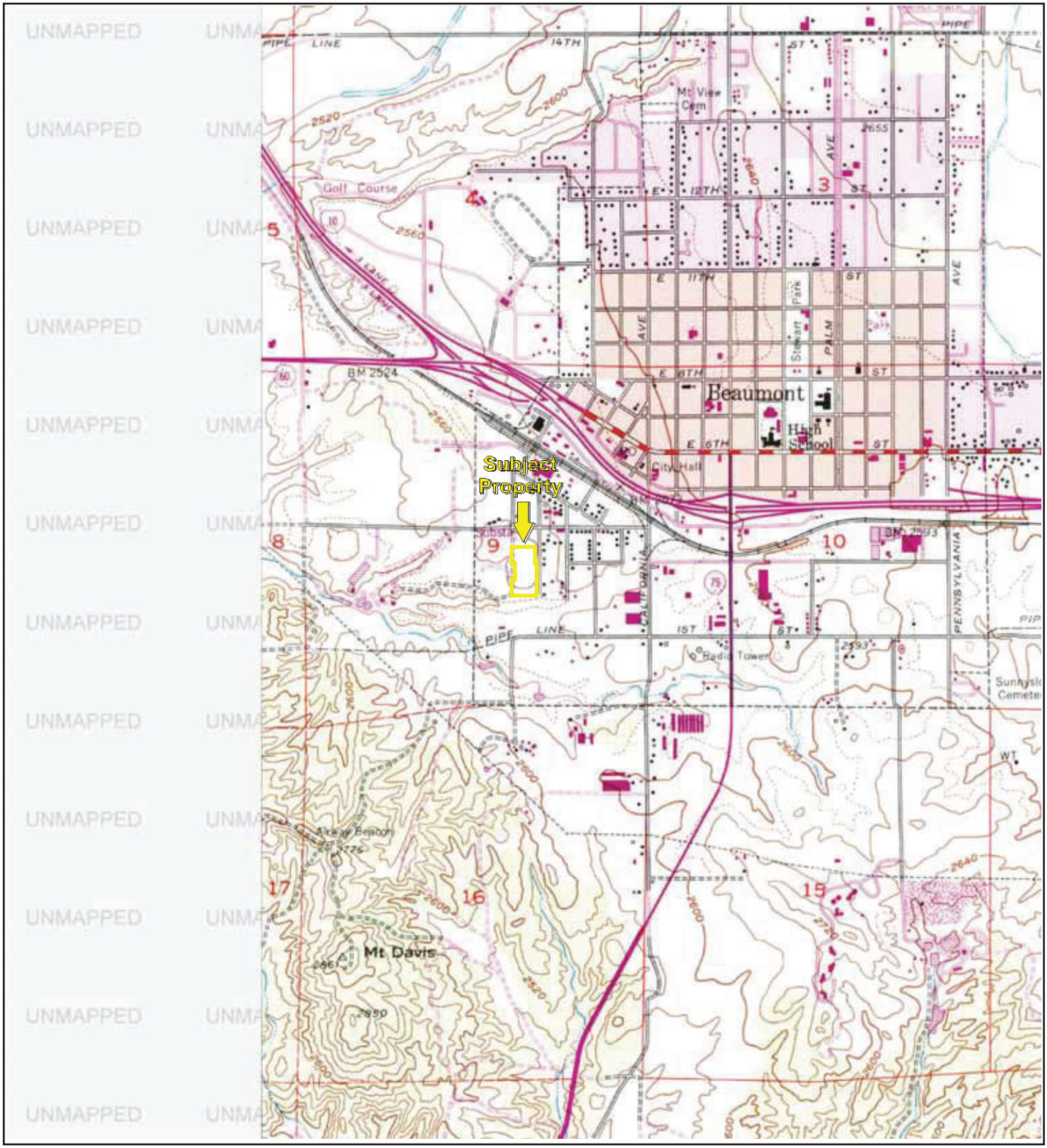
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-310772.1

PARTNER

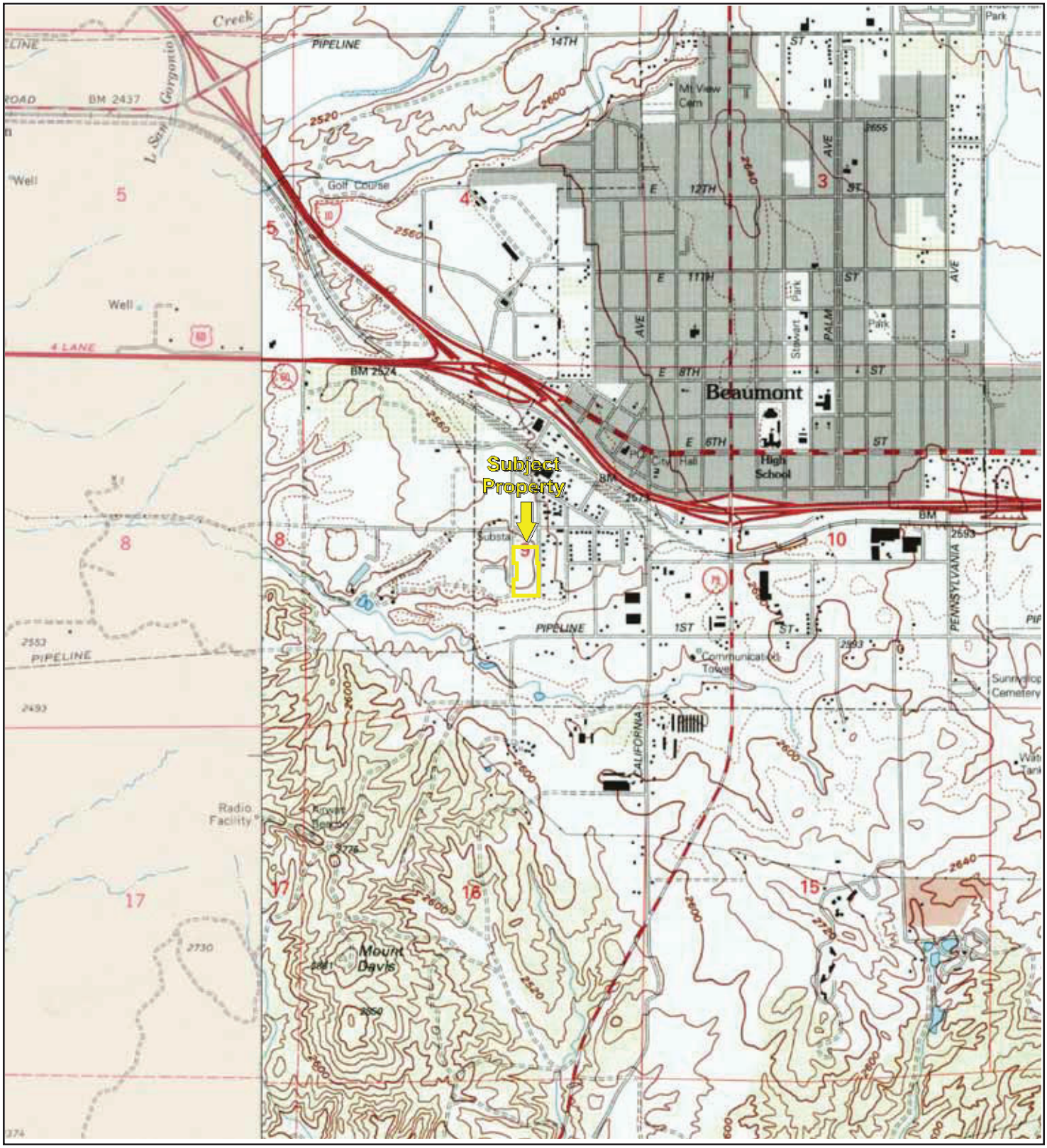


TP, Beaumont, 1988, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Beaumont, 1996, 7.5-minute
W, El Casco, 1996, 7.5-minute

0 Miles 0.25 0.5 1 1.5

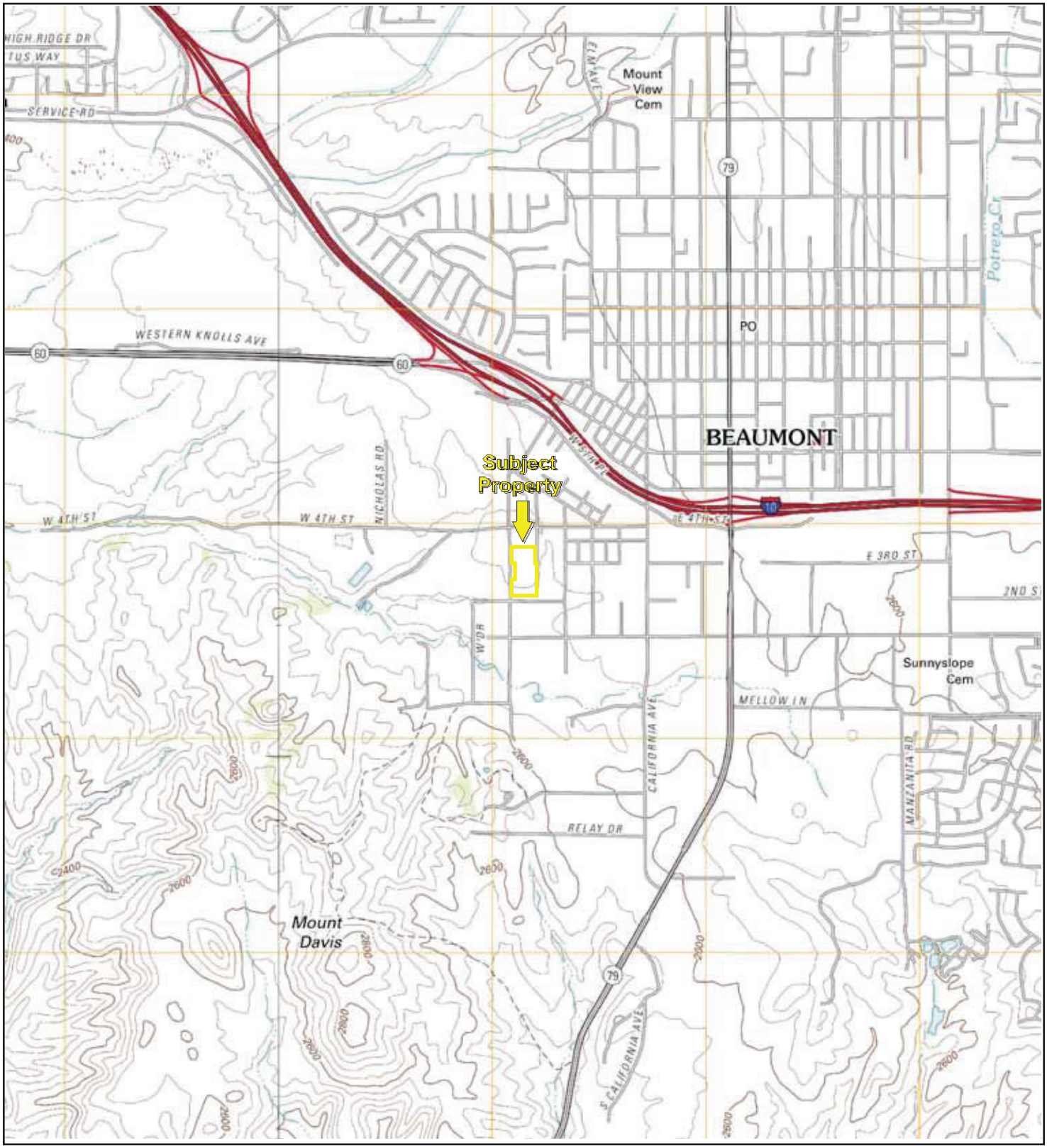
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-310772.1

PARTNER



TP, Beaumont, 2012, 7.5-minute
W, El Casco, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

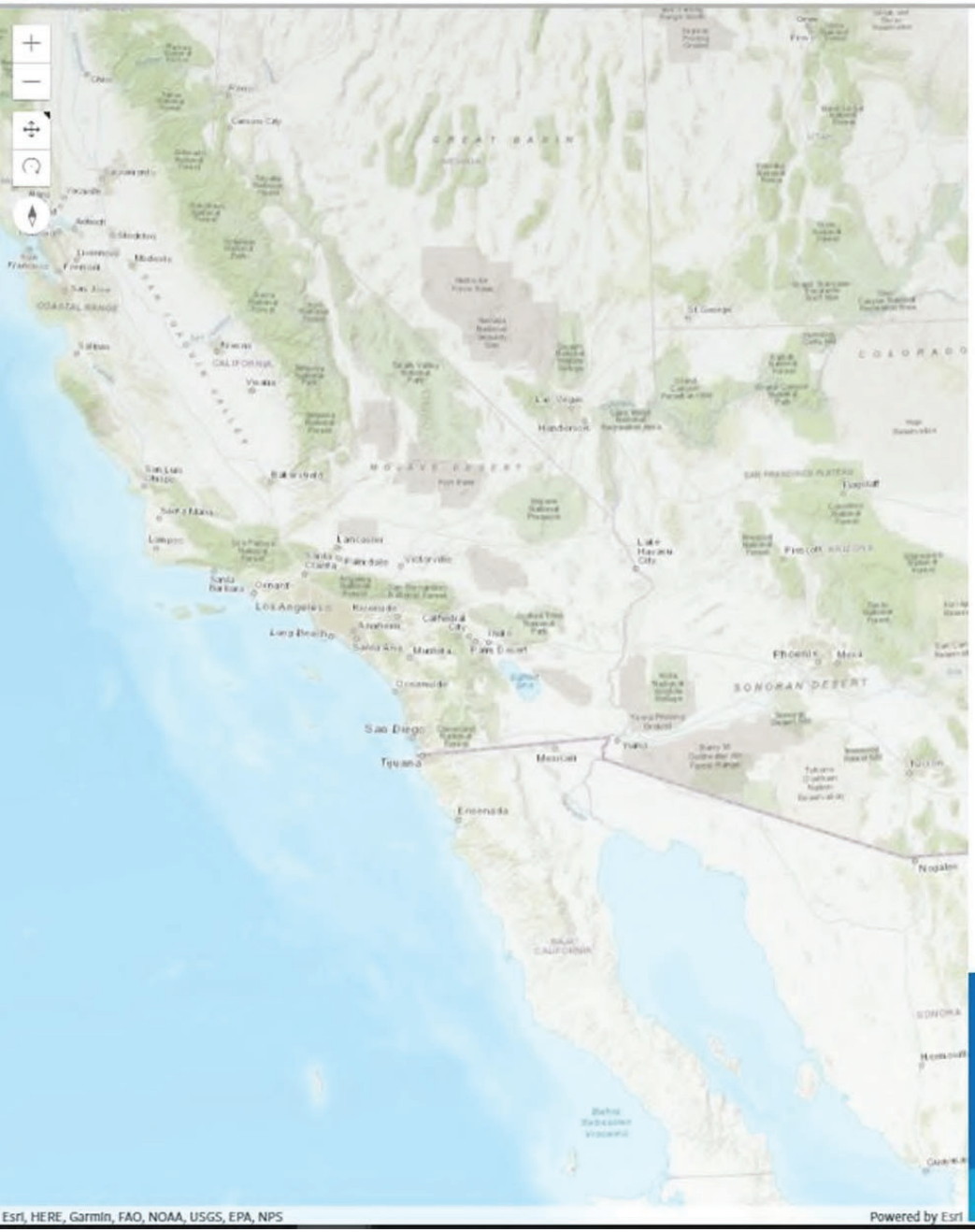
APPENDIX B: Topographic Maps

Project No. 21-310772.1

PARTNER

Facility INformation Detail (F.I.N.D.)

Select Search Type: Find a Facility | Name: | Street: Veile | City: Beaumont | Zip: | RECLAIM | TITLE V | SEARCH



SEARCH RESULTS

0 Results

Street: Veile

City: Beaumont

Clear all Filters

There are no facilities that match your search criteria. If you think this result is incorrect, call the number below.

South Coast Air Quality Management District
21865 Copley Dr, Diamond Bar, CA 91765
909-396-2000

Careers
Accessibility
Sitemap
Privacy Policy

© 2018 South Coast Air Quality Management District

Questions/Need Info? | Report Website Problem

Vejar, Ramiro

From: Nicole Wheelwright <NWheelwright@beaumontca.gov>
Sent: Thursday, March 11, 2021 9:14 AM
To: Vejar, Ramiro
Subject: FW: New request received

Mr. Vejar,

Please see the response below from our building a safety department. We have no responsive documents for this request.

From: Shane Scissons <SScissons@beaumontca.gov>
Sent: Thursday, March 11, 2021 8:48 AM
To: Nicole Wheelwright <NWheelwright@beaumontca.gov>
Subject: RE: New request received

Good morning Nicole,

We do not have any of the requested documents on file as these are vacant parcels and have not had any development.

Thank you,

SHANE SCISSONS
Building Plans Examiner

City of Beaumont
550 E. 6th Street, Beaumont, Ca 92223
Desk (951) 769-8529
BeaumontCa.gov
Facebook | Twitter | Instagram | YouTube

BEAUMONT
CALIFORNIA

#ACITYELEVATED

Due to the impacts of Covid-19, there may be delays in the processing times for plan check and permit issuance.

For Permit submittals please email Permits@beaumontca.gov . For Inspection requests please email Buildinginspector@beaumontca.gov cutoff for next day inspection is 3 p.m. for next day inspections. For Monday inspections, email Friday by 3 p.m.

All inspections are currently being done virtually through the zoom app until further notice. Visit http://beaumontca.gov/61/Inspections for further information.

From: City of Beaumont - Office of the City Clerk <do_not_reply@civicplus.com>
Sent: Monday, March 01, 2021 7:53 AM
To: Nicole Wheelwright <NWheelwright@beaumontca.gov>
Subject: New request received

Category Public Records Requests has received a new request.

Here is what we have on file:

Public Records Request #185

Category:	Public Records Requests
Priority:	3
Assigned To:	Wheelwright Nicole
Submitted:	3/1/2021 7:53 AM
Source:	Website 76.86.144.152

SUBMITTER
Ramiro Vejar
361 Corporate Terrace Circle
Corona, 92879
CONTACT
RVejar@partneresi.com
9093338592

To help protect your privacy, Microsoft Office prevented automatic download of this picture from the Internet. View Request

All
,

View any uploaded files by proceeding to the link below and looking up your request by RequestID

http://www.beaumontca.gov/admin/requesttracker.aspx

OR

View any uploaded files by signing in and proceeding to the link below

http://www.beaumontca.gov/admin/FormHistory.aspx?SID=2238

Beaumont PRR - Veile Ave. - Currently Vacant Land.pdf

REQUEST DETAILS

Description

Your name
Ramiro Vejar

Representing (firm/company/group)
Partner Engineering and Science, Inc.

I hereby request public records pursuant to the California Public Records Act, Government Code Section 6250-6258

Title/Document Description
Request for Public Records - Historical Building Permits / Fire Dept. Violations & Records / Public Works (if any)

Good Morning,
Partner Engineering and Science Inc. is conducting a Phase I Environmental Site Assessment of

the below referenced City of Beaumont property:

Vacant Land (east side of Veile Avenue), Beaumont, CA 92223
APN: 417-110-012, 417-130-005, 417-130-012

As part of the assessment we would like to request copies of historical permit records (Building Department):

• Permit to construct
• Grading Permits
• Permit to demolish (if any)
• Certificates of Occupancy
• Septic or Sewer hookup permits
• Permits to install or remove underground tanks, fueling dispensers
• Emergency Generators (fire pump rooms)
• Permits for sumps, clarifiers, grease interceptors, underground or aboveground tanks, silos

In addition, as part of the investigation, I would like to review any and all records you have for the above-referenced property pertaining to the following (Fire Department and/or Public Works):

• Current or historical use/generating of hazardous materials and/or hazardous waste
• Current or historical underground/aboveground storage tanks
• UST/Tank removal, remediation, cleanup reports/closure letters
• Current or historical clarifiers, sumps, or waste water
• Chemical Inventories,
• Releases, Spills, or cleanups
• Violations or Notices to Comply
Please let me know if you need any additional information. Thank you,

Date/Period

All

# of copies

All

I understand there is a fee for duplication/reproduction of all documents that I request and I agree to pay the fee for paper copies at the rate set forth in adopted fee schedule per Resolution No. 2007-

59. (Other fees may be applicable per Resolution 2007-59). Fee will be paid prior to any duplication of documents.

Yes

Email Address

RVejar@partneresi.com

Mailing address

361 Corporate Terrace Circle

Zip

92879

Vejar, Ramiro

Subject: Request for Public Records - Historical Building Permits / Fire Dept. Violations & Records / Public Works (if any)

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- Current or historical clarifiers, sumps, or waste water
- Chemical Inventories,
- Releases, Spills, or cleanups
- Violations or Notices to Comply

Please let me know if you need any additional information. Thank you,

Ramiro Vejar
Project Scientist

PARTNER ENGINEERING AND SCIENCE, INC.
361 Corporate Terrace Circle, Corona, CA 92879
C: 909-333-8592 | O: 310-765-7264 | F: 951-638-9034

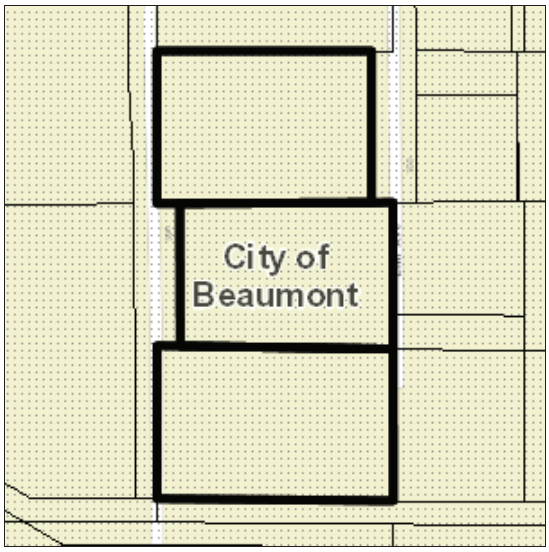
Riverside County Parcel Report

APN(s):417130012,417110012,417130005

DISCLAIMER

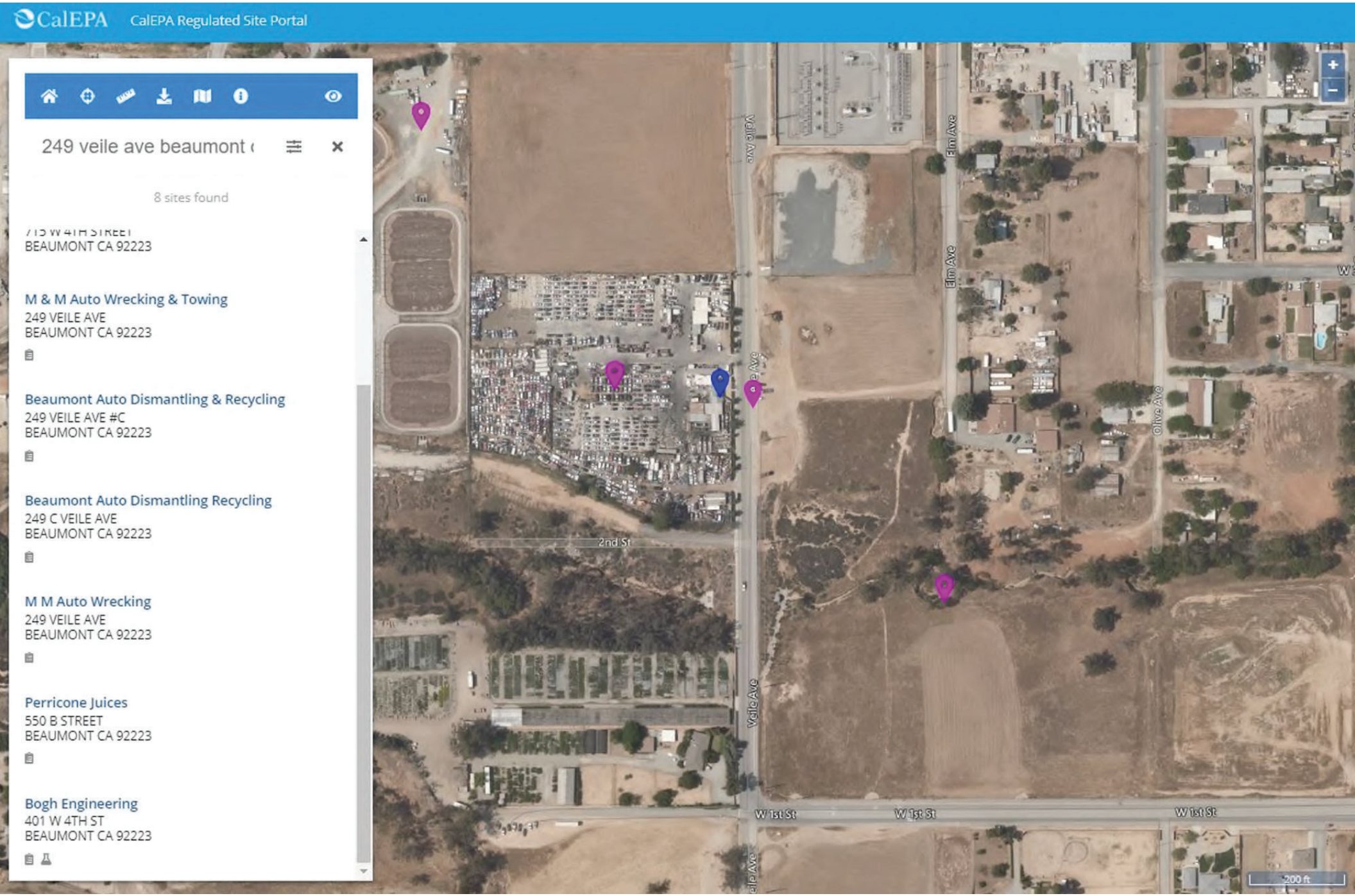
Maps, permit information and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

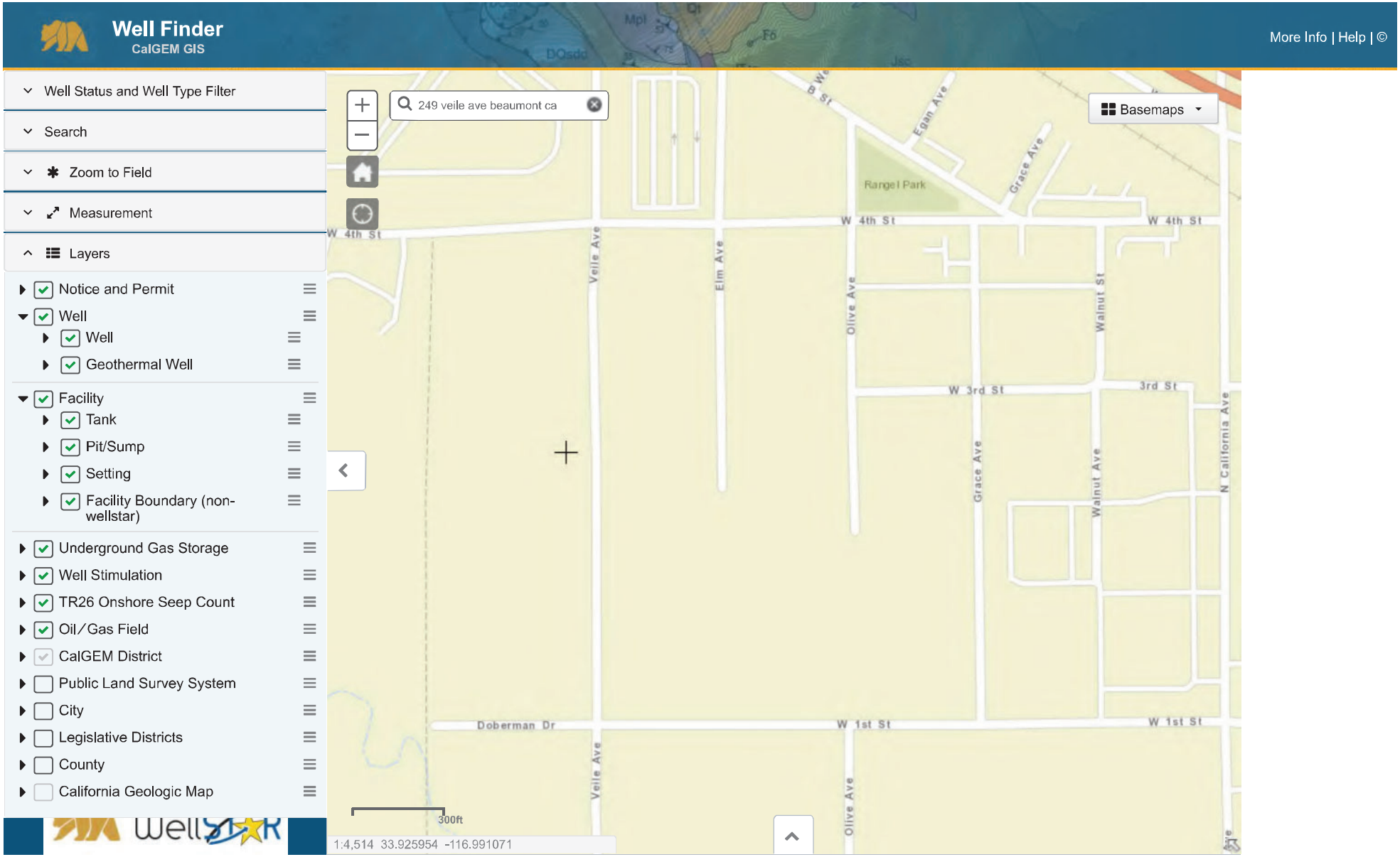
MAPS/IMAGES

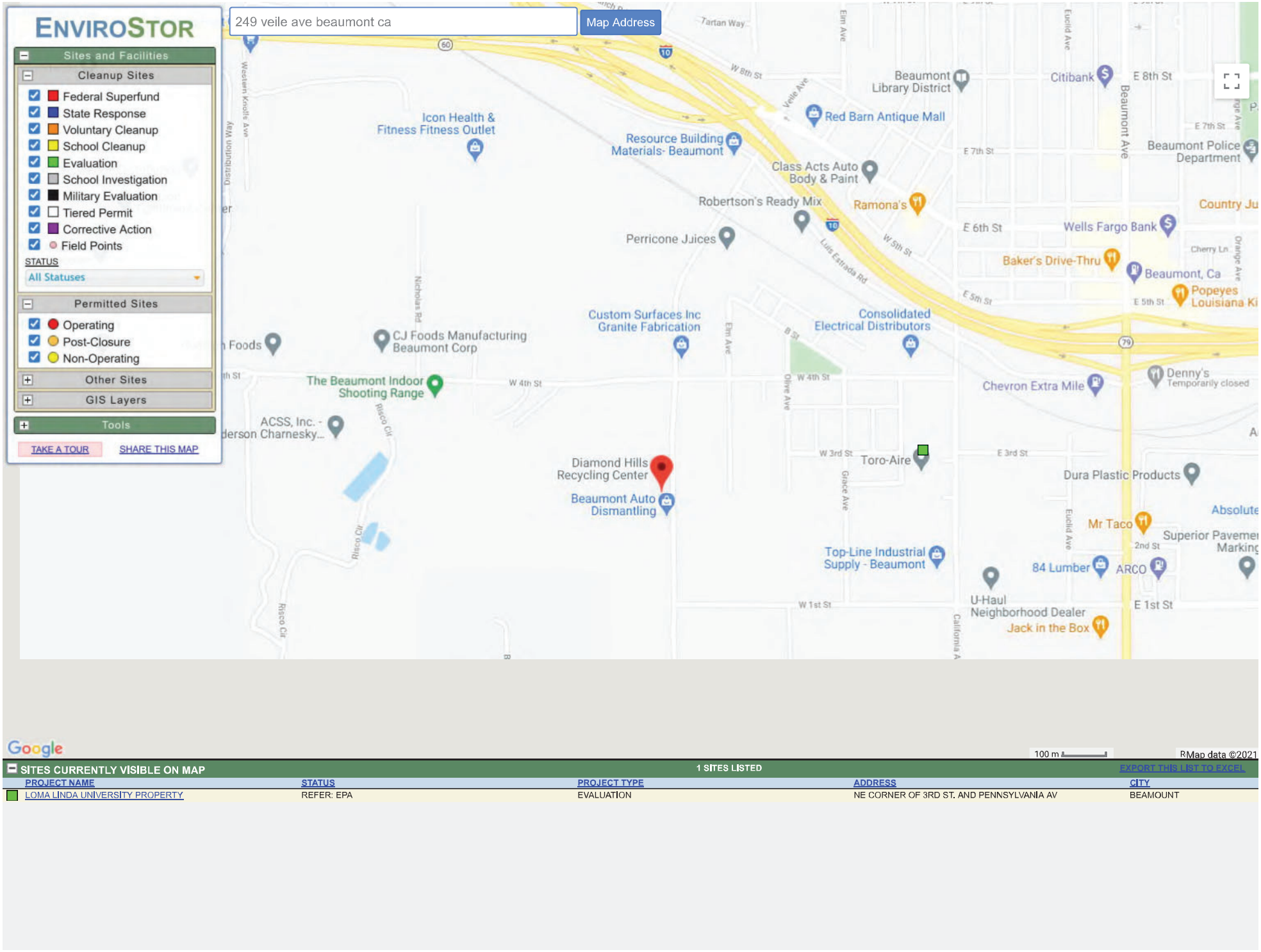


PARCEL

APN	417-110-012-7, 417-130-005-3, 417-130-012-9	Supervisorial District	JEFF HEWITT, DISTRICT 5
Previous APN	417110012 415221009, 415221010, 415221011, 415221012, more 417130005 417130012 415221009, 415221010, 415221011, 415221012, more	Township/Range	T3SR1W SEC 9 E
Owner Name	NOT AVAILABLE ONLINE	Elevation	2553 ft
Address		Thomas Bros. Map Page/Grid	PAGE: 720, GRID: G3 PAGE: 720, GRID: G4
Mailing Address	417110012 11251 SIERRA AVE NO 2E 421 FONTANA CA 92337 417130005	Indian Tribal Land	NOT IN A TRIBAL LAND


CalEPA
CalEPA Regulated Site Portal
249 veile ave beaumont
8 sites found
715 W 4TH STREET
BEAUMONT CA 92223
M & M Auto Wrecking & Towing
249 VEILE AVE
BEAUMONT CA 92223
Beaumont Auto Dismantling & Recycling
249 VEILE AVE #C
BEAUMONT CA 92223
Beaumont Auto Dismantling Recycling
249 C VEILE AVE
BEAUMONT CA 92223
M M Auto Wrecking
249 VEILE AVE
BEAUMONT CA 92223
Perricone Juices
550 B STREET
BEAUMONT CA 92223
Bogh Engineering
401 W 4TH ST
BEAUMONT CA 92223
Veile Ave
Elm Ave
Olive Ave
2nd St
W 1st St
200 ft


Well Finder
CalGEM GIS
More Info | Help | ©
Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers
Notice and Permit
Well
Well
Geothermal Well
Facility
Tank
Pit/Sump
Setting
Facility Boundary (non-wellstar)
Underground Gas Storage
Well Stimulation
TR26 Onshore Seep Count
Oil/Gas Field
CalGEM District
Public Land Survey System
City
Legislative Districts
County
California Geologic Map
249 veile ave beaumont ca
Basemaps
Rangel Park
W 4th St
W 3rd St
3rd St
W 1st St
Doberman Dr
Veile Ave
Elm Ave
Olive Ave
Walnut St
Grace Ave
Egan Ave
N California Ave
300ft
1:4,514 33.925954 -116.991071



SITES CURRENTLY VISIBLE ON MAP — 1 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
LOMA LINDA UNIVERSITY PROPERTY	REFER: EPA	EVALUATION	NE CORNER OF 3RD ST. AND PENNSYLVANIA AV	BEAMOUNT

National Flood Hazard Layer FIRMette

FEMA

116°59'38"W 33°55'42"N



116°59'W 33°55'12"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

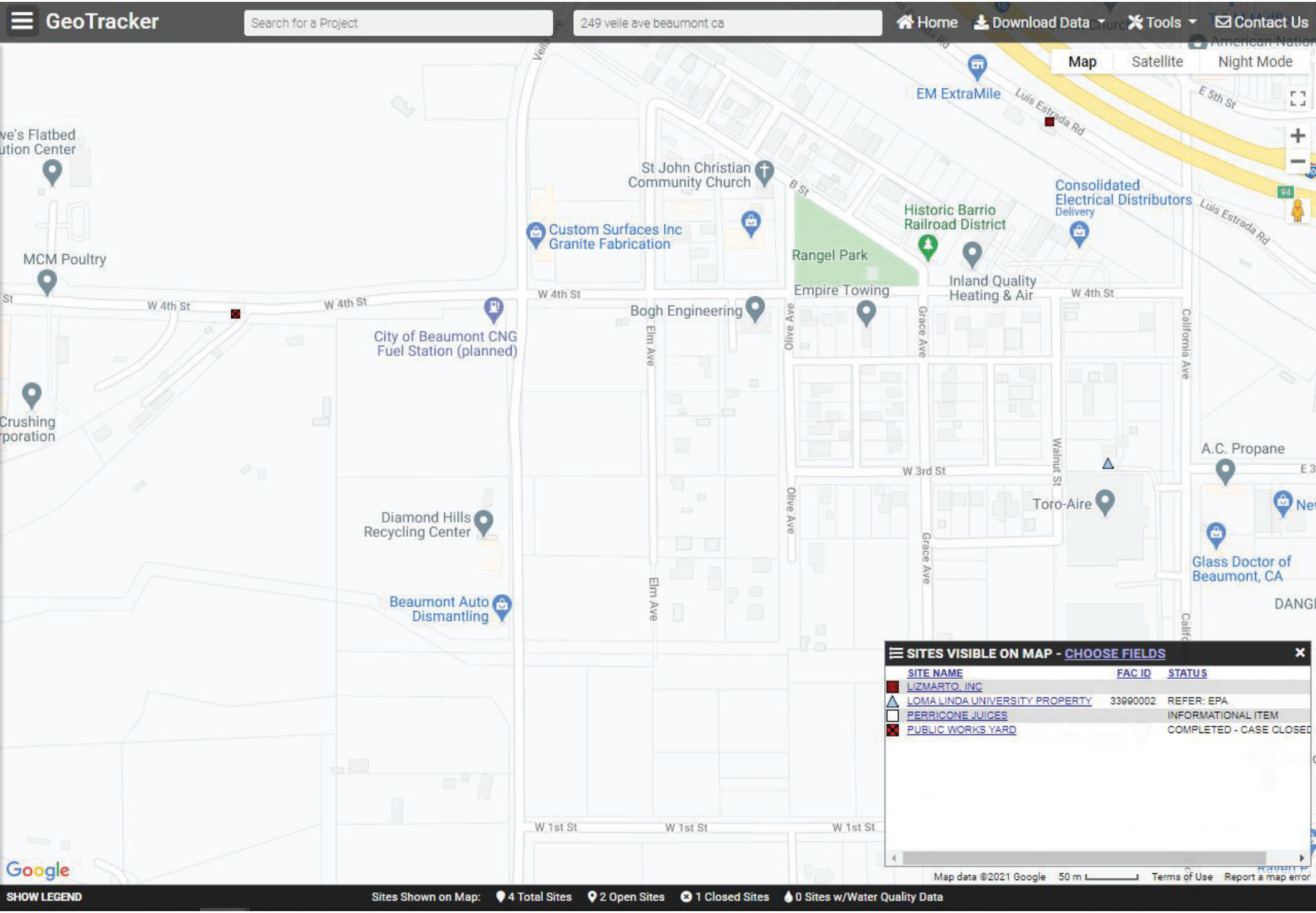
N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/1/2021 at 10:40 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.


GeoTracker
Search for a Project
249 veile ave beaumont ca
Home
Download Data
Tools
Contact Us
Map
Satellite
Night Mode
EM ExtraMile
Luis Estrada Rd
E 5th St
St John Christian Community Church
B St
Consolidated Electrical Distributors
Delivery
Historic Barrio Railroad District
Custom Surfaces Inc Granite Fabrication
Rangel Park
MCM Poultry
Inland Quality Heating & Air
Empire Towing
W 4th St
Bogh Engineering
City of Beaumont CNG Fuel Station (planned)
Elm Ave
Olive Ave
Grace Ave
California Ave
Walnut St
W 3rd St
A.C. Propane
Toro-Aire
Diamond Hills Recycling Center
Glass Doctor of Beaumont, CA
Beaumont Auto Dismantling
W 1st St
SITES VISIBLE ON MAP - CHOOSE FIELDS
SITE NAME
FAC ID
STATUS
LIZMARTO, INC
LOMA LINDA UNIVERSITY PROPERTY
33990002
REFER: EPA
PERRICONE JUICES
INFORMATIONAL ITEM
PUBLIC WORKS YARD
COMPLETED - CASE CLOSED
Google
Map data ©2021 Google
50 m
Terms of Use
Report a map error
SHOW LEGEND
Sites Shown on Map:
4 Total Sites
2 Open Sites
1 Closed Sites
0 Sites w/Water Quality Data

MAP OF A PORTION OF OLIVEWOOD CEMETERY, SHOWING PLATS A & C

A SUBDIVISION OF A PORTION OF THE N.½ of the S.W.¼ of Sec. 35 T. 2 S.R. 5 W. S.B.M.

April - 1907. Scale 20 ft. = 1 inch.

The exterior boundary lines of Plats A & C are drawn from the original map of Olivewood Cemetery as designed by J.W. Johnson, C.E. and the same has been lotted by Kingsbury Sanborn, C.E., and 2"x2" redwood stakes are set at exterior corners.

Plat C is an amended map of Plat C as originally lotted by J.W. Johnson.

Kingsbury Sanborn
Civil Engineer.

We; A.J. Twogood and P.D. Cover, of the City of Riverside, County of Riverside, State of California, as two of the Trustees named in a certain Deed of Trust recorded in the office of the County Recorder of San Bernardino County, State of California, in Book 81 of Deeds at page 165, hereby execute and adopt this Map of a Portion of Olivewood Cemetery showing Plats A & C as plotted by Kingsbury Sanborn, C.E., in April, 1907 - to designate the different parts of land which it represents as divided into lots and walks.

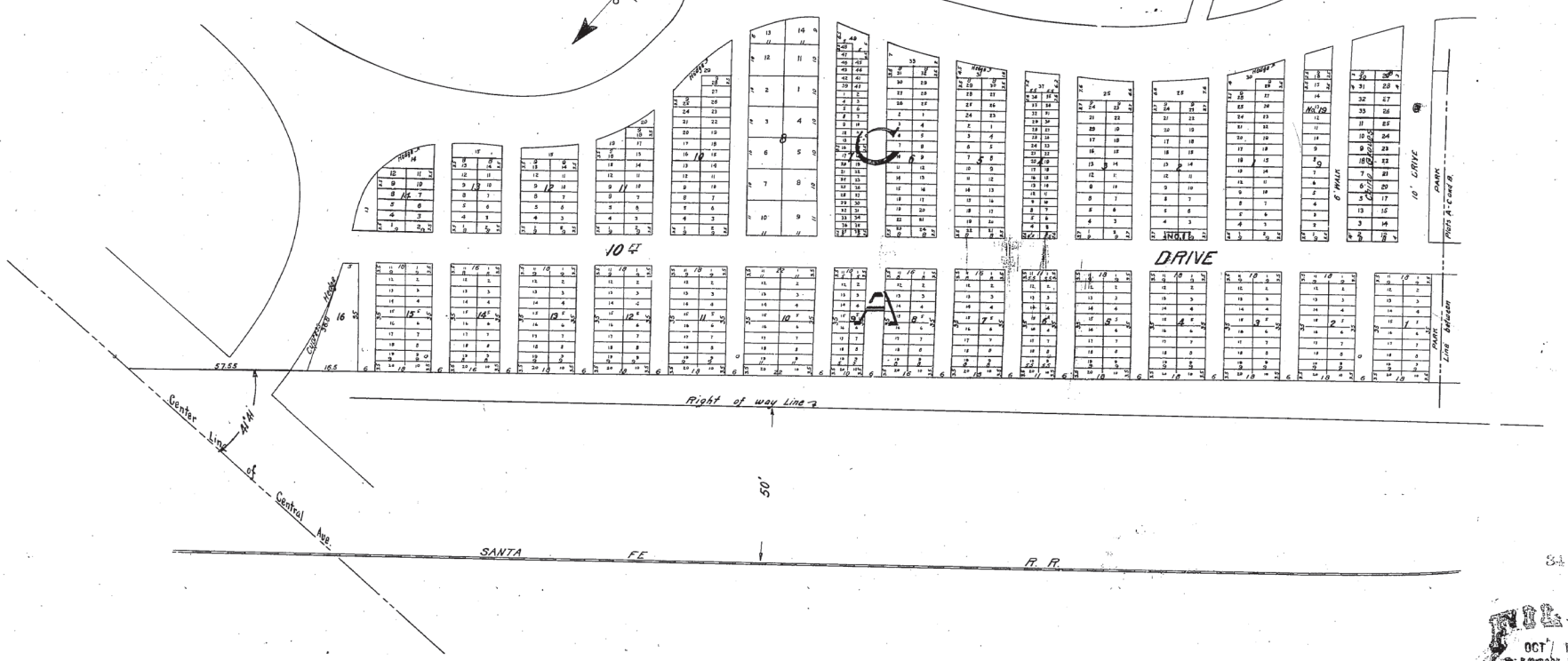
A. J. Twogood.
P. D. Cover.

STATE OF CALIFORNIA } S.S.
County of Riverside.

On this 29th day of July in the year of our Land One Thousand Nine Hundred and Seven, before me Achilles Martin a Notary Public in and for said County and State residing therein, duly commissioned and sworn, personally appeared A. J. Twogood and P. D. Cover, Trustees, known to me to be the persons described in, whose names are subscribed to, and who executed the within instrument, and they acknowledged to me that they executed the same as Trustees of the Olivewood Cemetery of Riverside, California.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official Seal, the day and year in this Certificate first above written.

Achilles Martin.
Notary Public in and for Riverside County
State of California.



FILED
OCT 1 1907
L. G. LOGAN, Recorder,
By [illegible] Deputy

16

Book No. 1 within Riverside City limits

MB 6/16

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

KEITH JONES, DIRECTOR

Incomplete Records Request Notice

March 19, 2021

Request No: 50296

Request Date: 3/01/2021

PARTNER
361 Corporate Terrace Circle
Corona, CA 92879
Attn: Ramiro Vejar

Re: **APNs: 417-110-012, 417-130-005, 417-130-012**

We have received your request for records however a search of our records cannot be conducted based on the information provided.

Please reference a specific site address(s) of inquiry and resubmit the records request.

The Hazardous Materials Management Division is unable to provide information about sites based on APN's or similar geographic site data.

Please direct questions or correspondence to:

Department of Environmental Health
Hazardous Materials Management Division
4065 County Circle Dr., Rm. 104
P.O. Box 7909
Riverside, CA 92513-7909
Attention: Records Management
Telephone: 951-358-5055
Fax: 951-358-5017

You may also visit our website at **www.rivcoeh.org**

Note: Records for disclosure information of the cities of Corona 951-736-2220, and Riverside 951-826-5737 will need to be directed to the City Fire Department.

County of Riverside
DEPARTMENT OF ENVIRONMENTAL HEALTH

KEITH JONES, DIRECTOR

March 19, 2021

Due to the ongoing COVID-19 national state of emergency, and Orders by the Riverside County Health Officer, the Riverside County Department of Environmental Health has closed all of our offices to the public and requested that our employees work remotely to support you.

Records Request services will continue to be available but please be patient with us and understand that staff is limited.

Responses will be provided **temporarily via email** and will resume to response via US Mail once the pandemic has rectified.

During this time records will be provided in four different ways after fees are paid.

1) Email – Only small files no larger than ¼ inch qualify
2) US Mail – files that are appropriately sized for mailing will qualify
3) USPS / FedEx – larger files that are unable to be mailed via US Mail will be shipped at the requestor's expense
4) Pick Up – By appointment only

For questions please call (951) 358-5055 or visit our website for information
www.rivcoeh.org

Environmental Protection & Oversight Division
Hazardous Materials Management Branch
Attn: Records Management
P.O. Box 7909
Riverside, CA 92513-7909
Ph: (951) 358-5055
Fax (951) 358-5342

*additional fees may include costs for appt. cancellation/no show, time per service, scan/fax/mail of documents, cd/dvd

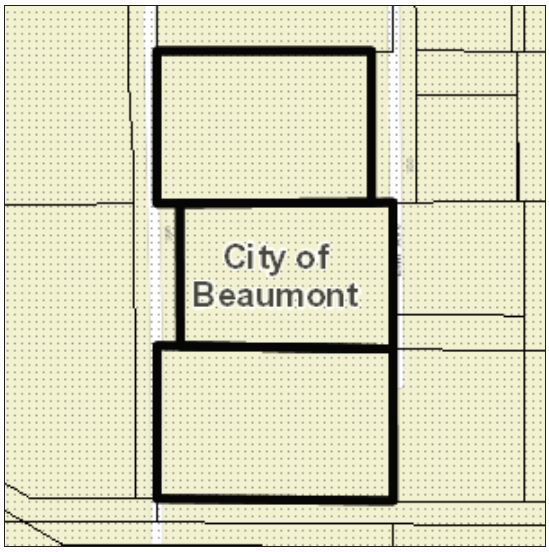
Riverside County Parcel Report

APN(s):417130012,417110012,417130005

DISCLAIMER

Maps, permit information and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

MAPS/IMAGES



PARCEL

APN	417-110-012-7, 417-130-005-3, 417-130-012-9	Supervisorial District	JEFF HEWITT, DISTRICT 5
Previous APN	417110012 415221009, 415221010, 415221011, 415221012, more 417130005 417130012 415221009, 415221010, 415221011, 415221012, more	Township/Range	T3SR1W SEC 9 E
Owner Name	NOT AVAILABLE ONLINE	Elevation	2553 ft
Address		Thomas Bros. Map Page/Grid	PAGE: 720, GRID: G3 PAGE: 720, GRID: G4
Mailing Address	417110012 11251 SIERRA AVE NO 2E 421 FONTANA CA 92337 417130005	Indian Tribal Land	NOT IN A TRIBAL LAND

	217 S WILLAMAN DR BEVERLY HILLS CA 90211 417130012 3129 MARBER AVE LONG BEACH CA 90808		
Legal Description	417110012 Recorded Book/Page: MB 6/16 Subdivsion Name: AMENDED MAP OF THE TOWN OF BEAUMONT Lot/Parcel: 2 Block: 137 Tract Number: 417130005 Recorded Book/Page: MB 6/16 Subdivsion Name: AMENDED MAP OF THE TOWN OF BEAUMONT Lot/Parcel: 4 Block: 137 Tract Number: 417130012 Recorded Book/Page: MB 6/16 Subdivsion Name: AMENDED MAP OF THE TOWN OF BEAUMONT Lot/Parcel: 3 Block: 137 Tract Number:	City Boundary	BEAUMONT
		City Spheres of influence	NOT IN A CITY SPHERE
Lot Size	417110012 Recorded lot size is 2.24 acres 417130005 Recorded lot size is 2.48 acres 417130012 Recorded lot size is 2.24 acres	March Joint Powers Authority	NOT IN THE JURISDICTION OF THE MARCH JOINT POWERS AUTHORITY
Property Characteristcs	417110012 Year Constructed: Baths: Bedrooms: Construction Type: Garage Type: Property Area (sq ft): Roof Type: Stories: Pool: NO Central Cool: NO Central Heat: NO 417130005 Year Constructed: Baths: Bedrooms:	County Service Area	NOT IN A COUNTY SERVICE AREA

Construction Type:
Garage Type:
Property Area (sq ft):
Roof Type:
Stories:
Pool: NO
Central Cool: NO
Central Heat: NO

417130012
Year Constructed:
Baths:
Bedrooms:
Construction Type:
Garage Type:
Property Area (sq ft):
Roof Type:
Stories:
Pool: NO
Central Cool: NO
Central Heat: NO

Annexation Date	92-42-3 06/09/1993	LAFCO Case	92-42-3 06/09/1993
Proposals	N/A		

PLANNING more...

Specific Plans	NOT IN A SPECIFIC PLAN	Historic Preservation Districts	NOT IN A HISTORIC PRESERVATION DISTRICT
Land Use Designations	CITY	Agricultural Preserve	NOT IN AN AGRICULTRAL PRESERVE
General Plan Policy Overlays	N/A		
Area Plan (RCIP)	The Pass	Airport Influence Areas	NOT IN AN AIRPORT INFLUENCE AREA
General Plan Policy Areas	NOT IN A GENERAL PLAN POLICY AREA	Airport Compatibility Zones	NOT IN AN AIRPORT COMPATIBLITY AREA
Zoning Classifications (ORD. 348)	CHECK WITH THE CITY FOR MORE INFORMATION	Zoning Districts and Zoning Areas	NOT IN A ZONING DISTRICT/AREA
Zoning Overlays	NOT IN A ZONING OVERLAY	Community Advisory Councils	NOT IN A COMMUNITY ADVISORY COUNCIL

Residential Permit Stats

N/A

ENVIRONMENTAL more...

CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Plan Area	NOT IN A COACHELLA VALLEY MSHCP FEE AREA	WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Cell Group	NOT IN A CELL GROUP
CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Conservation Area	NOT COACHELLA VALLEY CONSERVATION AREA	WRMSHCP Cell Number	NOT IN A CELL NUMBER
CVMSHCP Fluvial Sand Transport Special Provision Areas	NOT IN A FLUVIAL SAND TRANSPORT SPECIAL PROVISION AREA	HANS/ERP (Habitat Acquisition and Negotiation Strategy/Expedited Review Process)	NOT IN A HANS/ERP PROJECT
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Plan	WESTERN RIVERSIDE COUNTY	Vegetation (2005)	CALIFORNIA ANNUAL GRASSLAND

Area	ALLIANCE URBAN OR DEVELOPMENT MAPPING UNIT

Fire

Fire Hazard Classification (Ord. 787)	VERY HIGH	Fire Responsibility Area	LRA

DEVELOPMENT FEES

CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Fee Area (Ord 875)	NOT IN A COACHELLA VALLEY MSHCP FEE AREA	RBBD (Road & Bridge Benefit District)	NOT IN A ROAD BRIDGE BENEFIT DISTRICT
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Fee Area (Ord. 810)	WESTERN RIVERSIDE COUNTY	DIF (Development Impact Fee Area Ord. 659)	THE PASS, AREA 20
Western TUMF (Transportation Uniform Mitigation Fee Ord. 824)	IN OR PARTIALLY WITHIN A TUMF FEE AREA	SKR Fee Area (Stephenâ€™s Kagaroo Rat Ord. 663.10)	NOT IN THE SKR FEE AREA
Eastern TUMF (Transportation Uniform Mitigation Fee Ord. 673)	NOT IN THE EASTERN TUMF FEE AREA	DA (Development Agreements)	NOT IN A DEVELOPMENT AGREEMENT

TRANSPORTATION more...

Circulation Element Ultimate Right-of-Way	IN OR PARTIALLY WITHIN A CIRCULATION ELEMENT RIGHT-OF-WAY	Road Book Page	92
		Transportation Agreements	NOT IN A TRANS AGREEMENT
		CETAP (Community and Environmental Transportation Acceptability Process) Corridors	NOT IN A CETAP CORRIDOR

HYDROLOGY

Flood Plan Review	OUTSIDE FLOODPLAIN, REVIEW NOT REQUIRED	Watershed	SANTA ANA RIVER
Water District	SAN GORGONIO PASS WATER DISTRICT		
Flood Control District	RIVERSIDE COUNTY FLOOD CONTROL DISTRICT		

GEOLOGIC

Fault Zone	COUNTY FAULT ZONE	Paleontological Sensitivity	UNDETERMINED POTENTIAL (U): AREAS UNDERLAIN BY SEDIMENTARY ROCKS FOR WHICH LITERATURE AND UNPUBLISHED STUDIES ARE NOT AVAILABLE HAVE UNDETERMINED POTENTIAL FOR CONTAINING SIGNIFICANT PALEONTOLOGICAL RESOURCES. THESE AREAS MUST BE INSPECTED BY A FIELD SURVEY CONDUCTED BY A QUALIFIED VERTEBRATE PALEONTOLOGIST.
Faults	NOT IN A FAULT LINE		
Liquefaction Potential	LOW		
Subsidence	SUSCEPTIBLE		

MISCELLANEOUS

School District	BEAUMONT UNIFIED
Communities	BEAUMONT
Lighting (Ord. 655)	ZONE: B
2010 Census Tract	440
Farmland	LOCAL IMPORTANCE OTHER LANDS URBAN-BUILT UP LAND
Special Notes	NO SPECIAL NOTES
Tax Rate Areas	002027 - BEAUMONT CHERRY VALLEY REC & PK

002027 - BEAUMONT LIBRARY
002027 - BEAUMONT UNIFIED SCHOOL
002027 - CITY BEAUMONT MUNICIPAL LTG
002027 - CITY OF BEAUMONT ANX
002027 - ERAF RDV
002027 - FLOOD CONTROL ADMIN
002027 - FLOOD CONTROL ZN 5
002027 - GENERAL
002027 - GENERAL PURPOSE
002027 - INLAND EMPIRE JT(33,36)RES
002027 - MT SAN JACINTO JR COLLEGE
002027 - RDV BEAUMONT PROJ
002027 - RIVERSIDE CO OFC OF EDUCATION
002027 - SAN GORGONIO PASS MEM HOSPITAL
002027 - SAN GORGONIO PASS WTR AGENCY DS
002027 - SAN GORGONIO SERIES BOND A
002027 - SUMMIT CEMETERY DISTRICT

Department of Enviromental Health Permits

Septic Permits

Record Id	Application Date	Plan Check Approved Date	Final Inspection Date	Approved Date
N/A	N/A	N/A	N/A	N/A

Well Water Permits

Record Id	PE	Permit Paid Date	Permit Approved Date	Well Finaled Date
N/A	N/A	N/A	N/A	N/A

PLUS PERMITS & CASES

Administrative Cases

Case		Case Description	Status
N/A	N/A		N/A

Building and Safety Cases

Case		Case Description	Status
N/A	N/A		N/A

Code Cases

Case		Case Description	Status
N/A	N/A		N/A

Fire Cases

Case		Case Description	Status
N/A	N/A		N/A

Planning Cases

Case		Case Description	Status
N/A	N/A		N/A

Survey Cases

Case		Case Description	Status
N/A	N/A		N/A

Transportation Cases			
Case		**Case Description**	**Status**
N/A	N/A		N/A

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands



March 1, 2021

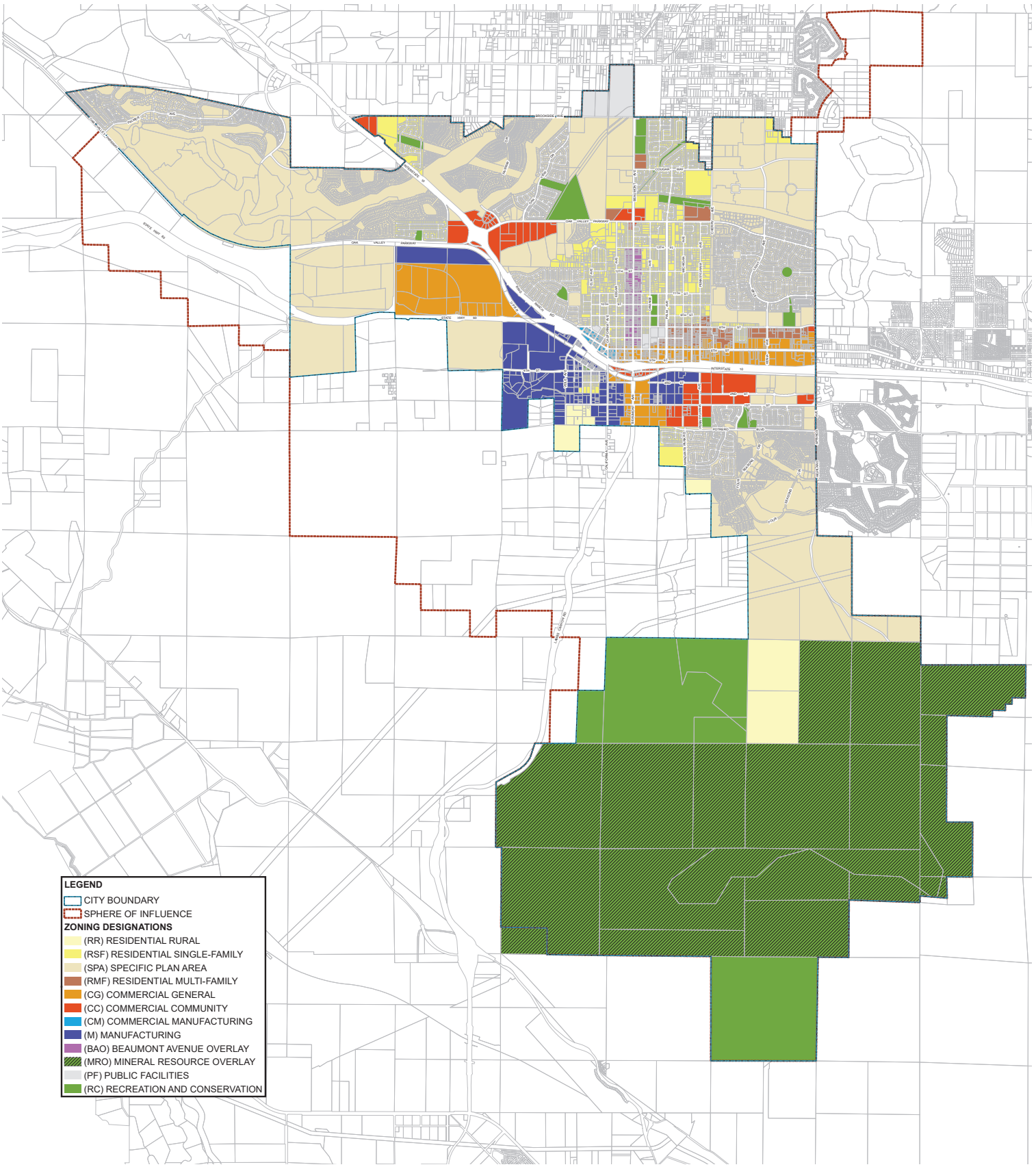
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

CITY OF BEAUMONT
Zoning Map



PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

The following questionnaire is required by the ASTM Standard E 1527-13, which adheres to the All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the *"party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice."*

PROPERTY ADDRESS:	
PROPERTY CITY, STATE ZIP:	

1. **Environmental liens that are filed or recorded against the property (40 CFR 312.25)**

   Did a search of recorded land title records (or judicial records) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☒ NO

2. **Activity and use limitations (AULs) that are in place on the property or that have been filed or records against the property (40 CFR 312.26(a)(1)(v) and (vi))**

   Did a search of recorded land title records (or judicial records) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☒ NO

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

   Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   ☐ YES ☒ NO

4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)**
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ YES ☒ NO

---

5. **Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30)**
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

☐ YES ☒ NO

---

a. Do you know the past uses of the property?

☐ YES ☒ NO

---

b. Do you know of specific chemicals that are present or once were present at the property?

☐ YES ☒ NO

---

c. Do you know of spills or other chemical releases that have taken place at the property?

☐ YES ☒ NO

---

d. Do you know of any environmental cleanups that have taken place at the property?

☐ YES ☒ NO

---

e. Do you have any prior knowledge that the property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past?

☐ YES ☒ NO

---

f. Are you aware of historical use of hazardous materials or petroleum products used or present on the property?

☐ YES ☒ NO

---

g. Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks?

☐ YES ☒ NO

h. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

☐ YES ☒ NO

6. **The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

☐ YES ☒ NO

Signature of User/Person Interviewed: J. Alfonso Cardenas

Name of User/Person Interviewed: Jose A. Cardenas

Title/Relationship to Property: President of Corp that Owns the property

Phone Number/Email: alexcar121@yahoo.com

Date: 03/01/21

Contact for additional information:

Name: _____

Relationship to Property: _____

Phone Number/Email: _____

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

1. PROPERTY INFORMATION:

Property Name: Vacant lot		
Property Address: APN: 417-110-012		
City Beaumont	State CA	Zip 92223
Assessor's Parcel Number		
Property Owner & Contact Information: Monster Ros, Inc / Jose A. Cardenas		
Date Property Owner Purchased: 07/31/2018		
Key Site Manager & Contact Information:		

2. COMPLETED BY

Signature: Jose A. Cardenas	Date: 08/01/2021
Printed Name: Jose A. Cardenas	Relation to Subject Property

3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? None

(If yes, please provide copies)

4. PROPERTY DESCRIPTION

Property Size: 2+ Acres Number of Building(s): 0

Size of Building(s): 0

Date of Construction: 0

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail/Commercial (Industrial) Office

Other: _____

Please provide Rent Roll if Applicable.

Historical Use of Property: _____

5. SURROUNDING PROPERTY USES

PARTNER

Direction	Use
North	
South	
East	
West	

Are you aware of any potential environmental concerns associated with surrounding properties?

_____ YES _____X_____ NO

If yes, please describe: _____

_____

_____

_____

6. Utilities & Services

Please provide the name of the utility or contractor providing the following: None

Electric	_____	Bio-hazardous Waste	_____
Gas	_____	Elevator Maintenance	_____
Potable Water	_____	Used Grease	_____
Sanitary Sewer	_____	Hazardous Waste	_____

7. On Site Operations

Are you aware of any of the following conditions, either past or present, on the property?		
Condition	**Response**	**If yes, please describe**
1. Stored Chemicals	☐ Yes ☒ No	
2. Underground Storage Tanks	☐ Yes ☒ No	
3. Aboveground Storage Tanks	☐ Yes ☒ No	
4. Spills or Releases	☐ Yes ☒ No	
5. Dump Areas/Landfills	☐ Yes ☒ No	
6. Waste Treatment Systems	☐ Yes ☐ No	
7. Clarifiers/Separators	☐ Yes ☒ No	
8. Vents/Odors	☐ Yes ☒ No	
9. Floor Drains/Sumps	☐ Yes ☒ No	
10. Stained Soil	☐ Yes ☒ No	
11. Electrical Transformers	☐ Yes ☒ No	
12. Hydraulic Lifts/Elevators	☐ Yes ☒ No	
13. Dry Cleaning Operations	☐ Yes ☒ No	
14. Oil/Gas/Water/Monitoring Wells	☐ Yes ☒ No	
15. Environmental Permits	☐ Yes ☒ No	

PARTNER

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

1. PROPERTY INFORMATION:

Property Name: Vacant land, Beaumont, CA		
Property Address: • Vacant land on Veile Ave. (APN: 417-130-005), Beaumont, CA		
City Beaumont	State CA	Zip 92223
Assessor's Parcel Number 417-130-005		
Property Owner & Contact Information: SHIKO LLC, c/o, Christopher C. Lewi, Esq., attorney		
Date Property Owner Purchased: 04-18-2019		
Key Site Manager & Contact Information: Kobi Katz, Owner managing member, or Christopher C. Lewi, attorney		

2. COMPLETED BY

Signature Christopher C. Lewi	Date March 03, 2021
Printed Name Christopher C. Lewi, Esq.	Relation to Subject Property attorney for Owner

3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? Unknown.

_____ (If yes, please provide copies)

4. PROPERTY DESCRIPTION

Property Size: 2.48 acres (approx.) Number of Building(s): 0

Size of Building(s): n/a

Date of Construction: n/a

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail/Commercial Industrial Office

Other: _____

Please provide Rent Roll if Applicable.

Historical Use of Property: commercial vacant land.

5. SURROUNDING PROPERTY USES

PARTNER

DIRECTION	USE
North	unknown and tbd by environmental assessment
South	same
East	same
West	same

Are you aware of any potential environmental concerns associated with surrounding properties?

_____ YES not at this time NO

If yes, please describe: _____

_____

_____

_____

6. UTILITIES & SERVICES

Please provide the name of the utility or contractor providing the following:

Electric	n/a	Bio-hazardous Waste	n/a
Gas	n/a	Elevator Maintenance	n/a
Potable Water	n/a	Used Grease	n/a
Sanitary Sewer	n/a	Hazardous Waste	n/a

7. ON SITE OPERATIONS

Are you aware of any of the following conditions, either past or present, on the property?		
Condition	**Response**	**If yes, please describe**
1. Stored Chemicals	☐ Yes ☒ No	
2. Underground Storage Tanks	☐ Yes ☒ No	
3. Aboveground Storage Tanks	☐ Yes ☒ No	
4. Spills or Releases	☐ Yes ☒ No	
5. Dump Areas/Landfills	☐ Yes ☒ No	
6. Waste Treatment Systems	☐ Yes ☒ No	
7. Clarifiers/Separators	☐ Yes ☒ No	
8. Vents/Odors	☐ Yes ☒ No	
9. Floor Drains/Sumps	☐ Yes ☒ No	
10. Stained Soil	☐ Yes ☒ No	
11. Electrical Transformers	☐ Yes ☒ No	
12. Hydraulic Lifts/Elevators	☐ Yes ☒ No	
13. Dry Cleaning Operations	☐ Yes ☒ No	
14. Oil/Gas/Water/Monitoring Wells	☐ Yes ☒ No	
15. Environmental Permits	☐ Yes ☒ No	

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

The following questionnaire is required by the ASTM Standard E 1527-13, which adheres to the All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the *"party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice."*

PROPERTY ADDRESS:	Vacant Commercial Land, Veile Rd.
PROPERTY CITY, STATE ZIP:	Beaumont CA 92223 (APN: 417-130-005)

1. **Environmental liens that are filed or recorded against the property (40 CFR 312.25)**

   Did a search of recorded land title records (or judicial records) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☐ NO

   Do not know

2. **Activity and use limitations (AULs) that are in place on the property or that have been filed or records against the property (40 CFR 312.26(a)(1)(v) and (vi))**

   Did a search of recorded land title records (or judicial records) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☐ NO

   Do not know.

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

   Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   ☐ YES ☑ NO

4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)**
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ YES ☐ NO

Not applicable; not a purchase transaction.

5. **Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30)**
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

☐ YES ☑ NO

a. Do you know the past uses of the property?

☐ YES ☑ NO

b. Do you know of specific chemicals that are present or once were present at the property?

☐ YES ☑ NO

c. Do you know of spills or other chemical releases that have taken place at the property?

☐ YES ☑ NO

d. Do you know of any environmental cleanups that have taken place at the property?

☐ YES ☑ NO

e. Do you have any prior knowledge that the property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past?

☐ YES ☑ NO

f. Are you aware of historical use of hazardous materials or petroleum products used or present on the property?

☐ YES ☑ NO

g. Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks?

☐ YES ☑ NO

h. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

☐ YES ☑ NO

6. **The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

☐ YES ☑ NO

Signature of User/Person Interviewed: Christopher C. Lewi

Name of User/Person Interviewed: Christopher C. Lewi, Esq.

Title/Relationship to Property: Attorney for Owner, SHIKO LLC

Phone Number/Email: 805-400-0703 cclewi@lewilaw.com

Date: March 03, 2021

Contact for additional information:

Name: Christopher C. Lewi, Esq.

Relationship to Property: atty for owner

Phone Number/Email: 805-400-0703 cclewi@lewilaw.com

CHRISTOPHER C. LEWI, ESQ.
Attorney & Counselor at Law
CA Bar #143855
WA Bar #53146

979 Osos St., #C1
San Luis Obispo, CA 93401
(805) 400-0703(phone)
(805) 395-4887(fax)
cclewi@lewilaw.com
www.lewilaw.com

March 03, 2021

Ramiro Vejar
Partner Engineering and Science, Inc.
361 Corporate Terrace Circle
Corona CA 92879

Re: **Vacant land on Veile Ave. (APN: 417-130-005), Beaumont, CA**

Dear Sir:

I am the attorney for the owner of the above referenced property. A couple of things:

- You are welcome to conduct your work at the property on March 08, 2021; good luck; I am looking into whether there is a locked gate and of so, how to get you a key.

In response to the two questionnaire forms:

.

- Please note the correct APN is 417-130-005
- SHIKO LLC is the record title holder, as successor to a partnership between Shimshom David and Kobi Katz.
- The property is approx 2.48 acres of commercial vacant land, purchased by my clients with an eye towards building a warehouse but those plans did not pan out.

(continued on next page)

- My clients know very little about the property in relation to the questions asked in the two questionnaire forms you sent and I completed those forms with many "do not know responses".

Very truly Yours,

LEWI LAW

By: Christopher C. Lewi
CHRISTOPHER C. LEWI

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

The following questionnaire is required by the ASTM Standard E 1527-13, which adheres to the All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the *"party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice."*

PROPERTY ADDRESS:	
PROPERTY CITY, STATE ZIP:	

1. **Environmental liens that are filed or recorded against the property (40 CFR 312.25)**

   Did a search of recorded land title records (or judicial records) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☑ NO

2. **Activity and use limitations (AULs) that are in place on the property or that have been filed or records against the property (40 CFR 312.26(a)(1)(v) and (vi))**

   Did a search of recorded land title records (or judicial records) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☑ NO

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

   Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   ☐ YES ☑ NO

4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)**
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ YES ☑ NO

---

5. **Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30)**
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

☐ YES ☑ NO

---

a. Do you know the past uses of the property?

☐ YES ☑ NO

---

b. Do you know of specific chemicals that are present or once were present at the property?

☐ YES ☑ NO

---

c. Do you know of spills or other chemical releases that have taken place at the property?

☐ YES ☑ NO

---

d. Do you know of any environmental cleanups that have taken place at the property?

☐ YES ☑ NO

---

e. Do you have any prior knowledge that the property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past?

☐ YES ☑ NO

---

f. Are you aware of historical use of hazardous materials or petroleum products used or present on the property?

☐ YES ☑ NO

---

g. Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks?

☐ YES ☑ NO

h. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

☐ YES ☑ NO

6. **The degree of obviousness of the presence or likely presence of contamination at the** property**, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

☐ YES ☑ NO

Signature of User/Person Interviewed: _____

Name of User/Person Interviewed: Chris Dalkos

Title/Relationship to Property: Owner

Phone Number/Email: (562) 308-7159/c.dalkos@verizon.net

Date: 03/03/21

Contact for additional information:

Name: _____

Relationship to Property: _____

Phone Number/Email: _____

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

1. PROPERTY INFORMATION:

Property Name: N/A		
Property Address: 0 Viele Avenue		
City Beaumont	CA	92223
Assessor's Parcel Number 417-130-012-9		
Property Owner & Contact Information: Chris Dalkos and Dionisios Argyros Contact: Chris Dalkos (562) 308-7159		
Date Property Owner Purchased: May 9, 2018		
Key Site Manager & Contact Information: Chris Dalkos (562) 308-7159		

2. COMPLETED BY

Signature	Date
Printed Name Chris Dalkos	Owner

3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? None_____

_____ (If yes, please provide copies)

4. PROPERTY DESCRIPTION

Property Size: 2.24 Acres____ Number of Building(s): Vacant Land/ No Structures on Property

Size of Building(s): N/A_____

Date of Construction: N/A_____

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail/Commercial Industrial Office

Other: _____

Please provide Rent Roll if Applicable.

Historical Use of Property: Unknown_____

5. SURROUNDING PROPERTY USES

PARTNER

DIRECTION	USE
North	VACANT LOT DIRECTLY NEXT DOOR USED FOR CONTAINER STORAGE
South	VACANT LOT
East	RESIDENTIAL HOUSING
West	ACROSS THE STREET IS A RECYCLING CENTER

Are you aware of any potential environmental concerns associated with surrounding properties?
_____ YES _____NO

If yes, please describe: _____

_____

_____

_____

6. UTILITIES & SERVICES

Please provide the name of the utility or contractor providing the following:

Electric	N/A_____	Bio-hazardous Waste	N/A_____
Gas	N/A_____	Elevator Maintenance	N/A_____
Potable Water	N/A_____	Used Grease	N/A_____
Sanitary Sewer	N/A_____	Hazardous Waste	N/A_____

7. ON SITE OPERATIONS

Are you aware of any of the following conditions, either past or present, on the property?		
Condition	**Response**	**If yes, please describe**
1. Stored Chemicals	☐ Yes ☐ No	
2. Underground Storage Tanks	☐ Yes ☐ No	
3. Aboveground Storage Tanks	☐ Yes ☐ No	
4. Spills or Releases	☐ Yes ☐ No	
5. Dump Areas/Landfills	☐ Yes ☐ No	
6. Waste Treatment Systems	☐ Yes ☐ No	
7. Clarifiers/Separators	☐ Yes ☐ No	
8. Vents/Odors	☐ Yes ☐ No	
9. Floor Drains/Sumps	☐ Yes ☐ No	
10. Stained Soil	☐ Yes ☐ No	
11. Electrical Transformers	☐ Yes ☐ No	
12. Hydraulic Lifts/Elevators	☐ Yes ☐ No	
13. Dry Cleaning Operations	☐ Yes ☐ No	
14. Oil/Gas/Water/Monitoring Wells	☐ Yes ☐ No	
15. Environmental Permits	☐ Yes ☐ No	

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

Sanborn II
Not Reported
Beaumont, CA 92223

Inquiry Number: 6384807.2s
March 01, 2021

The EDR Radius Map™ Report with GeoCheck®

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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
BEAUMONT, CA 92223

COORDINATES

Latitude (North):	33.9243720 - 33˚ 55' 27.73''
Longitude (West):	116.9876060 - 116˚ 59' 15.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	501145.6
UTM Y (Meters):	3753576.5
Elevation:	2563 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5629739 BEAUMONT, CA
Version Date:	2012
West Map:	5640934 EL CASCO, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
BEAUMONT, CA 92223

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	DIAMOND HILLS RECYCL	249 VEILE AVE	RCRA NonGen / NLR	Lower	67, 0.013, WSW
A2	DIAMOND HILLS RECYCL	249 VEILE AVE	SWRCY, WDS	Lower	67, 0.013, WSW
A3	M M AUTO WRECKING	249 VEILE AVE	CERS HAZ WASTE, NPDES, CIWQS, CERS	Lower	67, 0.013, WSW
A4	BEAUMONT AUTO DISMAN	249 VEILE AVE STE C	RCRA NonGen / NLR	Lower	67, 0.013, WSW
B5	ORTIZ ENTERPRISES	310 ELM AVE	RCRA NonGen / NLR	Lower	99, 0.019, NE
B6	ORTIZ ENTERPRSIES IN	310 ELM ST	RCRA NonGen / NLR	Lower	99, 0.019, NE
C7	BOGH ENGINEERING	401 W 4TH ST	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS, HWTS	Higher	419, 0.079, NE
C8	BOGH ENGINEERING INC	401 W 4TH ST	RCRA NonGen / NLR	Higher	419, 0.079, NE
D9	PUBLIC WORKS YARD	711 04TH	LUST, HIST CORTESE	Higher	445, 0.084, NW
D10	PUBLIC WORKS YARD	711 W 4TH ST	LUST, Cortese, CERS	Lower	557, 0.105, NW
D11	CITY OF BEAUMONT	713 WEST 4TH ST	HIST UST, HAZNET, HWTS	Lower	564, 0.107, NW
D12	BEAUMONT CITY OF/PUB	713 W FOURTH ST	SWEEPS UST	Lower	564, 0.107, NW
D13	W.M. LYLES CO.	715 W 4TH ST	RCRA NonGen / NLR	Lower	572, 0.108, NW
D14	W.M. LYLES CO.	715 W. 4TH ST	RCRA NonGen / NLR	Lower	572, 0.108, NW
D15	CITY OF BEAUMONT	715 W 4TH ST	AST	Lower	572, 0.108, NW
D16	CITY OF BEAUMONT WWT	715 W 4TH ST	RCRA NonGen / NLR	Lower	572, 0.108, NW
D17	WWTP SALT MITIGATION	715 W. 4TH STREET	CERS HAZ WASTE, CERS TANKS, NPDES, CIWQS, CERS	Lower	572, 0.108, NW
D18	W. M. LYLES CO.	715 W 4TH ST	RCRA NonGen / NLR	Lower	572, 0.108, NW
C19	WHOLESALE SHUTTER CO	411 OLIVE AVE	CERS HAZ WASTE, EMI, HAZNET, CERS, HWTS	Higher	591, 0.112, NE
C20	WHOLESALE SHUTTER CO	411 OLIVE AVE	RCRA NonGen / NLR	Higher	591, 0.112, NE
21	AMAZON.COM SERVICES	1010 W 4TH ST	CERS HAZ WASTE, CERS TANKS, CERS	Higher	1013, 0.192, ENE
22	BALDI BROS CONSTRUCT	459 EGAN ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1080, 0.205, NE
E23	PERRICONE JUICES	550 B ST	RCRA NonGen / NLR	Lower	1081, 0.205, North
E24	PERRICONE JUICES	550 B ST	RCRA-SQG, FINDS, ECHO	Lower	1081, 0.205, North
E25	PERRICONE JUICES	550 B ST	RCRA NonGen / NLR	Lower	1081, 0.205, North
E26	PERRICONE JUICE	550 B ST	CERS HAZ WASTE, CERS	Lower	1081, 0.205, North
E27	PERRICONE JUICES	550 B ST	RCRA NonGen / NLR	Lower	1081, 0.205, North
E28	PERRICONE JUICES	550 B ST	RCRA NonGen / NLR	Lower	1081, 0.205, North
E29	BEAUMONT POULTRY INC	550 B STREET	HIST UST	Lower	1081, 0.205, North
F30	LOWE'S FLATBED DISTR	862 W 4TH ST	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	1246, 0.236, NW
F31	LOWE'S FLATBED DISTR	862 W 4TH ST	RCRA NonGen / NLR	Higher	1246, 0.236, NW
G32	LOMA LINDA UNIVERSIT	NE CORNER OF 3RD ST.	ENVIROSTOR	Higher	1455, 0.276, East
33	BEAUMONT CONCRETE CO	452 5TH ST	LUST, EMI	Higher	1464, 0.277, NNE
G34	BEAUMONT MGP	296 CALIFORNIA AVENU	EDR MGP	Higher	1582, 0.300, East
H35	PRECISION STAMPING,	246 W. 5TH ST.	ENVIROSTOR	Higher	1916, 0.363, NE
H36	BEAUMONT POLICE DEPA	500 GRACE AVE	LUST, Cortese, HIST CORTESE, CERS	Higher	1927, 0.365, NE
I37	SOUTHWEST MOTORS	449 W W SIXTH ST	LUST, Cortese, CERS	Higher	2058, 0.390, NNE
I38	SOUTHWEST MOTORS	449 W SIXTH ST	LUST	Higher	2107, 0.399, NNE
J39	BEAUMONT MAINTENANCE	550 CALIFORNIA AVE	LUST, Cortese	Higher	2117, 0.401, NE

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
BEAUMONT, CA 92223

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	CITY OF BEAUMONT MAI	550 CALIFORNIA	LUST, CERS HAZ WASTE, HIST UST, HAZNET, HIST...	Higher	2117, 0.401, NE
41	THRIFTY OIL #349/ AR	401 6TH ST	LUST	Higher	2346, 0.444, NNE
42	UNOCAL #5546	502 BEAUMONT AVE	LUST, SWEEPS UST, HIST UST, Cortese, HIST CORTESE,...	Higher	3208, 0.608, ENE
43	SO CAL GAS/BEAUMONT	296 CALIFORNIA AVENU	ENVIROSTOR, VCP, CERS	Higher	3306, 0.626, SSE
44	THREE RINGS RANCH EL	CLAYBOURNE STREET/WI	ENVIROSTOR, SCH	Higher	3310, 0.627, North
45	NOBLE CREEK ELEMENTA	BROOKSIDE AVENUE/NAN	ENVIROSTOR, SCH	Higher	4156, 0.787, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

US INST CONTROLS Institutional Controls Sites List

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE State Response Sites

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

SWF/LF Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land
CPS-SLIC Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
UST Active UST Facilities
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP Voluntary Cleanup Program Properties
INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register
HIST Cal-Sites Historical Calsites Database
SCH School Property Evaluation Program

CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST ---- Facility Inventory Database

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem

US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
FINDS - Facility Index System/Facility Registry System
ECHO - Enforcement & Compliance History Information
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CUPA Listings - CUPA Resources List
DRYCLEANERS - Cleaner Facilities
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
HAZNET - Facility and Manifest Data
ICE - ICE
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
MINES MRDS - Mineral Resources Data System
HWTS - Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-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 12/14/2020 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PERRICONE JUICES EPA ID:: CAR000086744	***550 B ST***	***N 1/8 - 1/4 (0.205 mi.)***	***E24***	***91***

State- and tribal - equivalent CERCLIS

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/26/2020 has revealed that there are 5 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOMA LINDA UNIVERSIT Facility Id: 33990002 Status: Refer: EPA	NE CORNER OF 3RD ST.	E 1/4 - 1/2 (0.276 mi.)	G32	139
PRECISION STAMPING,	246 W. 5TH ST.	NE 1/4 - 1/2 (0.363 mi.)	H35	144

Facility Id: 71004112
Status: Inactive - Needs Evaluation

SO CAL GAS/BEAUMONT	***296 CALIFORNIA AVENU***	***SSE 1/2 - 1 (0.626 mi.)***	***43***	***177***
Facility Id: 33490083 Status: Certified				
THREE RINGS RANCH EL	***CLAYBOURNE STREET/WI***	***N 1/2 - 1 (0.627 mi.)***	***44***	***186***
Facility Id: 33020003 Status: No Action Required				
NOBLE CREEK ELEMENTA	***BROOKSIDE AVENUE/NAN***	***ESE 1/2 - 1 (0.787 mi.)***	***45***	***189***
Facility Id: 33010054 Status: No Action Required				

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 9 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUBLIC WORKS YARD	***711 04TH***	***NW 0 - 1/8 (0.084 mi.)***	***D9***	***35***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0606500034				
BEAUMONT CONCRETE CO	***452 5TH ST***	***NNE 1/4 - 1/2 (0.277 mi.)***	***33***	***140***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 12/04/2020 Status: Completed - Case Closed Facility Status: Preliminary site assessment underway Global Id: T0606500415 Global ID: T0606500415				
BEAUMONT POLICE DEPA	***500 GRACE AVE***	***NE 1/4 - 1/2 (0.365 mi.)***	***H36***	***145***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 12/04/2020 Status: Completed - Case Closed Facility Status: Case Closed Global Id: T0606500017 Global ID: T0606500017				
SOUTHWEST MOTORS	***449 W W SIXTH ST***	***NNE 1/4 - 1/2 (0.390 mi.)***	***I37***	***148***
Database: LUST, Date of Government Version: 12/04/2020 Status: Completed - Case Closed Global Id: T0606500287				
SOUTHWEST MOTORS	449 W SIXTH ST	NNE 1/4 - 1/2 (0.399 mi.)	I38	150
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/06/2020 Facility Id: 93058 Facility Status: 9				
BEAUMONT MAINTENANCE	***550 CALIFORNIA AVE***	***NE 1/4 - 1/2 (0.401 mi.)***	***J39***	***151***
Database: LUST REG 8, Date of Government Version: 02/14/2005				

Facility Status: Case Closed
Global ID: T0606500016

CITY OF BEAUMONT MAI	***550 CALIFORNIA***	***NE 1/4 - 1/2 (0.401 mi.)***	***J40***	***152***

Database: LUST, Date of Government Version: 12/04/2020
Status: Completed - Case Closed
Global Id: T0606500016

THRIFTY OIL #349/ AR	401 6TH ST	NNE 1/4 - 1/2 (0.444 mi.)	41	170

Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Preliminary site assessment underway
Global ID: T0606500547

Lower Elevation	Address	Direction / Distance	Map ID	Page
PUBLIC WORKS YARD	***711 W 4TH ST***	***NW 0 - 1/8 (0.105 mi.)***	***D10***	***36***

Database: LUST, Date of Government Version: 12/04/2020
Status: Completed - Case Closed
Global Id: T0606500034

State and tribal registered storage tank lists

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 is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF BEAUMONT	715 W 4TH ST	NW 0 - 1/8 (0.108 mi.)	D15	47

Database: AST, Date of Government Version: 07/06/2016

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/07/2020 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIAMOND HILLS RECYCL	***249 VEILE AVE***	***WSW 0 - 1/8 (0.013 mi.)***	***A2***	***11***

Cert Id: RC13553

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/19/2020 has revealed that there are 7 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOGH ENGINEERING	***401 W 4TH ST***	***NE 0 - 1/8 (0.079 mi.)***	***C7***	***29***
WHOLESALE SHUTTER CO	***411 OLIVE AVE***	***NE 0 - 1/8 (0.112 mi.)***	***C19***	***63***
AMAZON.COM SERVICES	***1010 W 4TH ST***	***ENE 1/8 - 1/4 (0.192 mi.)***	***21***	***84***
LOWE'S FLATBED DISTR	***862 W 4TH ST***	***NW 1/8 - 1/4 (0.236 mi.)***	***F30***	***113***

Lower Elevation	Address	Direction / Distance	Map ID	Page
M M AUTO WRECKING	***249 VEILE AVE***	***WSW 0 - 1/8 (0.013 mi.)***	***A3***	***13***
WWTP SALT MITIGATION	***715 W. 4TH STREET***	***NW 0 - 1/8 (0.108 mi.)***	***D17***	***50***
PERRICONE JUICE	***550 B ST***	***N 1/8 - 1/4 (0.205 mi.)***	***E26***	***97***

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
BEAUMONT CITY OF/PUB Status: A Tank Status: A Comp Number: 38736	713 W FOURTH ST	NW 0 - 1/8 (0.107 mi.)	D12	41

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 are 2 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF BEAUMONT	***713 WEST 4TH ST***	***NW 0 - 1/8 (0.107 mi.)***	***D11***	***38***
BEAUMONT POULTRY INC	550 B STREET	N 1/8 - 1/4 (0.205 mi.)	E29	112

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 10/19/2020 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOGH ENGINEERING	***401 W 4TH ST***	***NE 0 - 1/8 (0.079 mi.)***	***C7***	***29***
AMAZON.COM SERVICES	***1010 W 4TH ST***	***ENE 1/8 - 1/4 (0.192 mi.)***	***21***	***84***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WWTP SALT MITIGATION	***715 W. 4TH STREET***	***NW 0 - 1/8 (0.108 mi.)***	***D17***	***50***

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/14/2020 has revealed that there are 16 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOGH ENGINEERING INC EPA ID:: CAL000223527	401 W 4TH ST	NE 0 - 1/8 (0.079 mi.)	C8	32
WHOLESALE SHUTTER CO EPA ID:: CAL000337289	411 OLIVE AVE	NE 0 - 1/8 (0.112 mi.)	C20	81
BALDI BROS CONSTRUCT EPA ID:: CAD008803207	***459 EGAN ST***	***NE 1/8 - 1/4 (0.205 mi.)***	***22***	***86***
LOWE'S FLATBED DISTR EPA ID:: CAL000331604	862 W 4TH ST	NW 1/8 - 1/4 (0.236 mi.)	F31	136
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
DIAMOND HILLS RECYCL EPA ID:: CAL000343265	249 VEILE AVE	WSW 0 - 1/8 (0.013 mi.)	A1	9
BEAUMONT AUTO DISMAN EPA ID:: CAL000300349	249 VEILE AVE STE C	WSW 0 - 1/8 (0.013 mi.)	A4	22
ORTIZ ENTERPRISES EPA ID:: CAC003041551	310 ELM AVE	NE 0 - 1/8 (0.019 mi.)	B5	24
ORTIZ ENTERPRSIES IN EPA ID:: CAC003041005	310 ELM ST	NE 0 - 1/8 (0.019 mi.)	B6	27
W.M. LYLES CO.	715 W 4TH ST	NW 0 - 1/8 (0.108 mi.)	D13	42
W.M. LYLES CO.	715 W. 4TH ST	NW 0 - 1/8 (0.108 mi.)	D14	44
CITY OF BEAUMONT WWT EPA ID:: CAL000378628	715 W 4TH ST	NW 0 - 1/8 (0.108 mi.)	D16	47
W. M. LYLES CO.	715 W 4TH ST	NW 0 - 1/8 (0.108 mi.)	D18	60

EPA ID:: CAC003045058				
PERRICONE JUICES	550 B ST	N 1/8 - 1/4 (0.205 mi.)	E23	89
EPA ID:: CAC003029340				
PERRICONE JUICES	550 B ST	N 1/8 - 1/4 (0.205 mi.)	E25	94
PERRICONE JUICES	550 B ST	N 1/8 - 1/4 (0.205 mi.)	E27	107
PERRICONE JUICES	550 B ST	N 1/8 - 1/4 (0.205 mi.)	E28	110
EPA ID:: CAC003015201				

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

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 4 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BEAUMONT POLICE DEPA	***500 GRACE AVE***	***NE 1/4 - 1/2 (0.365 mi.)***	***H36***	***145***
Cleanup Status: COMPLETED - CASE CLOSED				
SOUTHWEST MOTORS	***449 W W SIXTH ST***	***NNE 1/4 - 1/2 (0.390 mi.)***	***I37***	***148***
Cleanup Status: COMPLETED - CASE CLOSED				
BEAUMONT MAINTENANCE	***550 CALIFORNIA AVE***	***NE 1/4 - 1/2 (0.401 mi.)***	***J39***	***151***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
PUBLIC WORKS YARD	***711 W 4TH ST***	***NW 0 - 1/8 (0.105 mi.)***	***D10***	***36***
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 are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUBLIC WORKS YARD	***711 04TH***	***NW 0 - 1/8 (0.084 mi.)***	***D9***	***35***
Reg Id: 083300313T				
BEAUMONT POLICE DEPA	***500 GRACE AVE***	***NE 1/4 - 1/2 (0.365 mi.)***	***H36***	***145***
Reg Id: 083300116T				
CITY OF BEAUMONT MAI	***550 CALIFORNIA***	***NE 1/4 - 1/2 (0.401 mi.)***	***J40***	***152***
Reg Id: 083300115T				

Notify 65: 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.

A review of the Notify 65 list, as provided by EDR, and dated 12/07/2020 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #5546	***502 BEAUMONT AVE***	***ENE 1/2 - 1 (0.608 mi.)***	***42***	***171***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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.

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

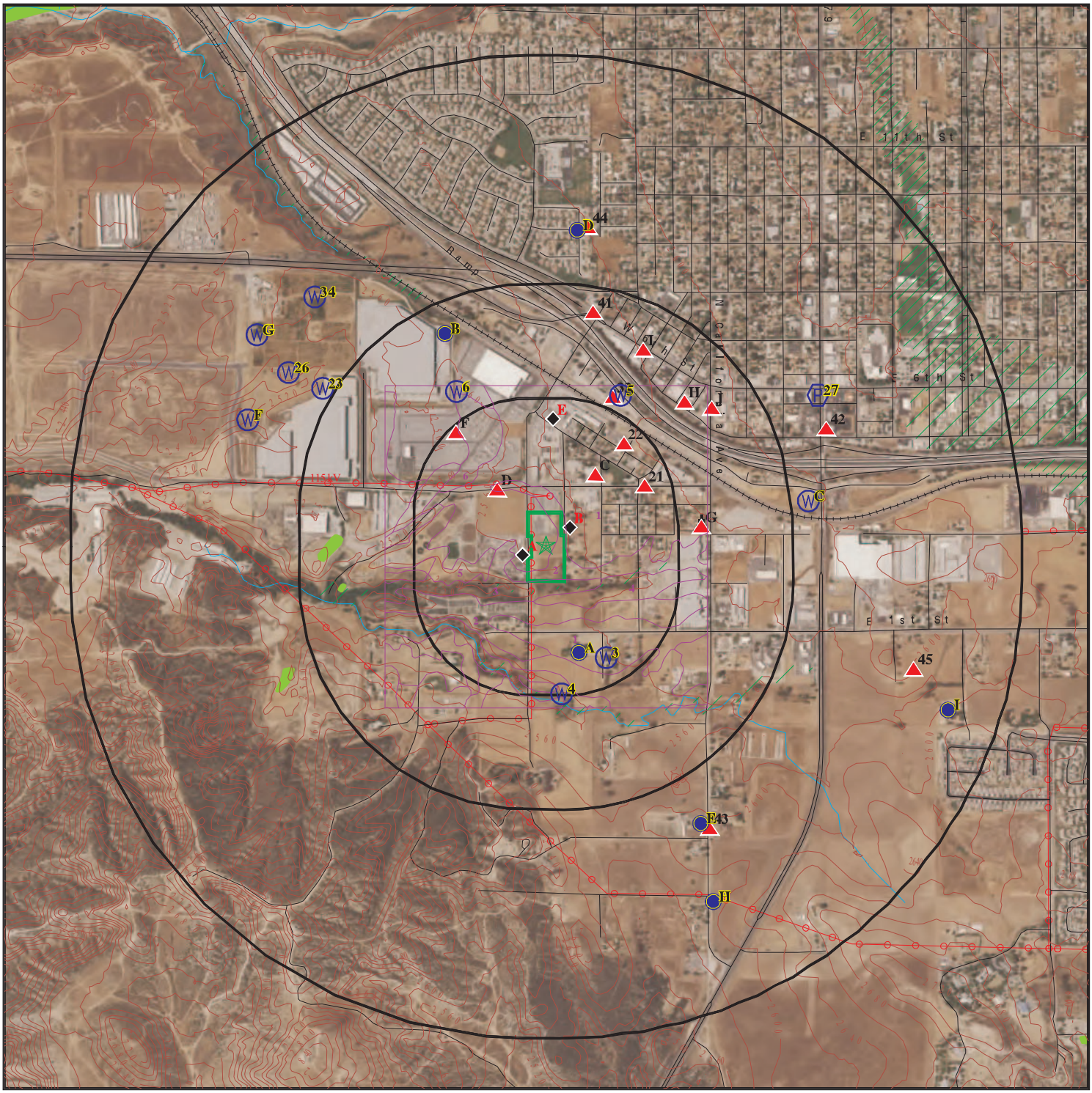
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BEAUMONT MGP	296 CALIFORNIA AVENU	E 1/4 - 1/2 (0.300 mi.)	G34	144

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
LES SCHWAB TIRE CENTER #585	CERS HAZ WASTE

OVERVIEW MAP - 6384807.2S



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:	Sanborn II	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Not Reported Beaumont CA 92223	CONTACT:	Roy Zamarripa
		INQUIRY #:	6384807.2s
LAT/LONG:	33.924372 / 116.987606	DATE:	March 01, 2021 12:46 pm

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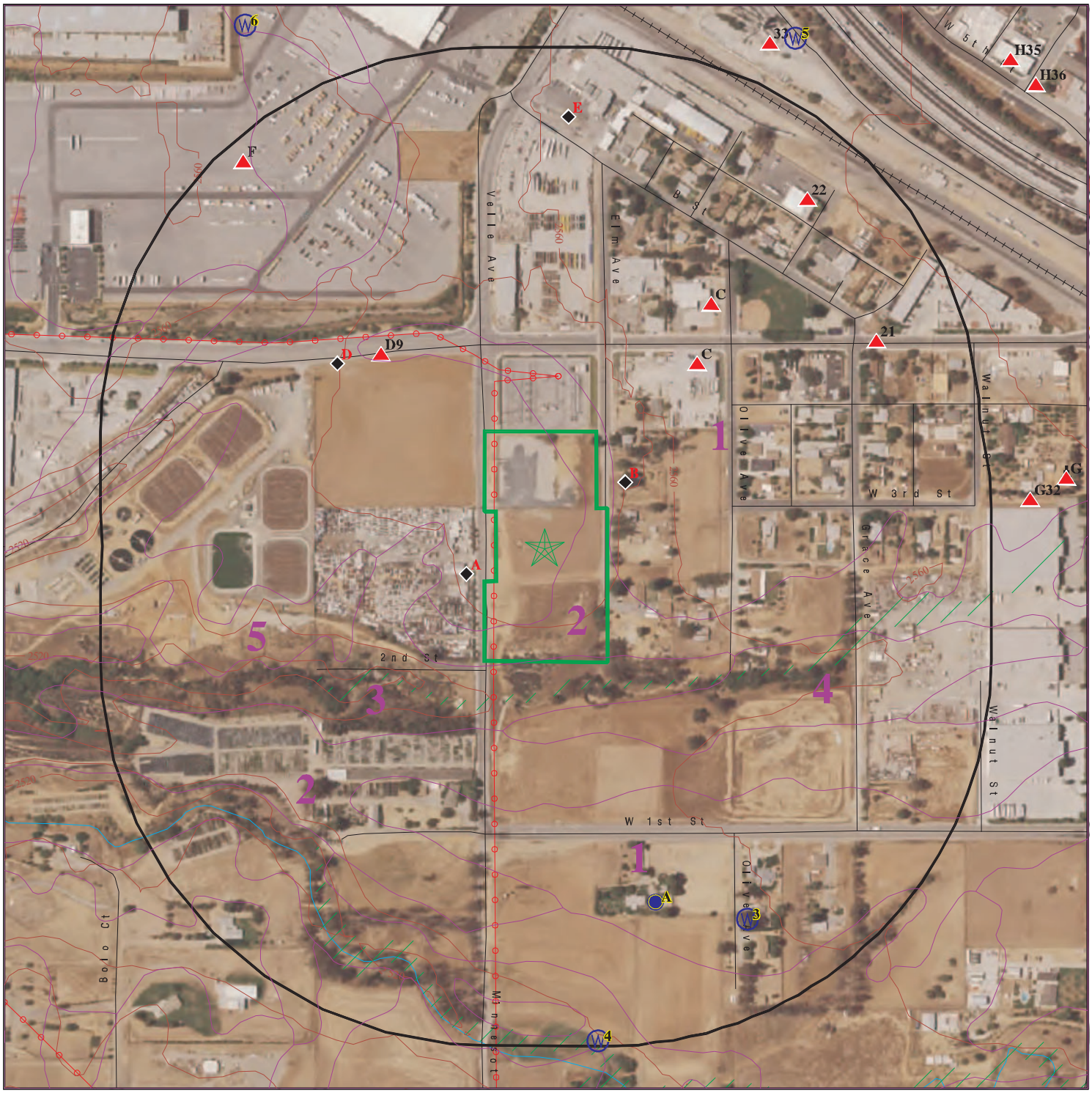
DETAIL MAP - 6384807.2S



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

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:	Sanborn II	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Not Reported Beaumont CA 92223	CONTACT:	Roy Zamarripa
		INQUIRY #:	6384807.2s
LAT/LONG:	33.924372 / 116.987606	DATE:	March 01, 2021 12:49 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								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
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	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	2	3	NR	5
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		2	0	7	NR	NR	9

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		1	0	0	NR	NR	1
HAULERS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		4	3	NR	NR	NR	7
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		1	1	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		2	1	NR	NR	NR	3
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		10	6	NR	NR	NR	16
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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	3	NR	NR	4
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	2	NR	NR	3
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	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	1	0	NR	1
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	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	24	12	15	4	0	55

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
WSW
< 1/8
0.013 mi.
67 ft.

DIAMOND HILLS RECYCLING CORP DBA M & M AUTO WRECKI
249 VEILE AVE
BEAUMONT, CA 92223

Site 1 of 4 in cluster A

RCRA NonGen / NLR **1024823198**
CAL000343265

Relative:
Lower

Actual:
2562 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2009-05-21 00:00:00.0
Handler Name:	DIAMOND HILLS RECYCLING CORP DBA M & M AUTO WRECKING & TOWING CENTER
Handler Address:	249 VEILE AVE
Handler City,State,Zip:	BEAUMONT, CA 92223-2682
EPA ID:	CAL000343265
Contact Name:	MARTY HARTMAN
Contact Address:	249 VEILE AVE SITE A
Contact City,State,Zip:	BEAUMONT, CA 92223
Contact Telephone:	951-845-4315
Contact Fax:	951-769-0384
Contact Email:	MARTY@MANDMAUTOWRECKING.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:	249 VEILE AVE SITE A
Mailing City,State,Zip:	BEAUMONT, CA 92223-2682
Owner Name:	DIAMOND HILLS RECYCLING CORP
Owner Type:	Other
Operator Name:	MARTY HARTMAN
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

DIAMOND HILLS RECYCLING CORP DBA M & M AUTO WRECKING & TOWIN (Continued) **1024823198**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:31:21.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DIAMOND HILLS RECYCLING CORP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	249 VEILE AVE SITE A
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223-2682
Owner/Operator Telephone:	951-845-4315
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARTY HARTMAN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	249 VEILE AVE SITE A
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-845-4315
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

DIAMOND HILLS RECYCLING CORP DBA M & M AUTO WRECKING & TOWIN (Continued) **1024823198**

Historic Generators:
- Receive Date: 2009-05-21 00:00:00.0
- Handler Name: DIAMOND HILLS RECYCLING CORP DBA M & M AUTO WRECKING & TOWING 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: 42193
- NAICS Description: RECYCLABLE MATERIAL WHOLESALERS

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

A2
WSW
< 1/8
0.013 mi.
67 ft.

DIAMOND HILLS RECYCLING CORP **SWRCY S106105119**
249 VEILE AVE **WDS N/A**
BEAUMONT, CA 92223

Site 2 of 4 in cluster A

Relative:
Lower

Actual:
2562 ft.

SWRCY:
- Name: DIAMOND HILLS RECYCLING CORP
- Address: 249 VEILE AVE
- City,State,Zip: BEAUMONT, CA 92223
- Reg Id: 19177
- Cert Id: RC13553
- Mailing Address: 249 Veile Ave
- Mailing City: Beaumont
- Mailing State: CA
- Mailing Zip Code: 92223
- Website: Not reported
- Email: Not reported
- Phone Number: (951) 845-4315
- Rural: N
- Operation Begin Date: 01/14/2008
- Aluminium: Y
- Glass: Y
- Plastic: Y
- Bimetal: Y
- Hours of Operation: Mon - Fri 8:00 am - 4:30 pm; Sat 8:00 am - 1:30 pm; Sun Closed
- Organization ID: 19177
- Organization Name: Diamond Hills Recycling Corp

WDS:

DIAMOND HILLS RECYCLING CORP (Continued) **S106105119**

Name:	M & M AUTO WRECKING
Address:	249 VEILE AVE
City:	BEAUMONT
Facility ID:	Santa Ana River 33I003598
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:	Not reported
Facility Contact:	Not reported
Agency Name:	CORBETT NEIL & CATHY
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
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.

A3 **M M AUTO WRECKING** **CERS HAZ WASTE** **S117624534**
WSW **249 VEILE AVE** **NPDES** **N/A**
< 1/8 **BEAUMONT, CA 92223** **CIWQS**
0.013 mi. **CERS**
67 ft. **Site 3 of 4 in cluster A**

Relative:
Lower

Actual:
2562 ft.

CERS HAZ WASTE:

Name:	M & M AUTO WRECKING & TOWING
Address:	249 VEILE AVE
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	131940
CERS ID:	10317247
CERS Description:	Hazardous Waste Generator

NPDES:

Name:	M M AUTO WRECKING
Address:	249 VEILE AVE
City,State,Zip:	BEAUMONT, CA 92223
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 33I019784
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:	09/14/2005
Operator Name:	Diamond Hills Recycling Corp
Operator Address:	249 Veile Ave
Operator City:	Beaumont
Operator State:	California
Operator Zip:	92223

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	288989
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33I019784
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2005
Expiration Date Of Regulatory Measure:	Not reported

M M AUTO WRECKING (Continued) **S117624534**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Diamond Hills Recycling Corp
Discharge Address:	249 Veile Ave
Discharge City:	Beaumont
Discharge State:	California
Discharge Zip:	92223
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
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

M M AUTO WRECKING (Continued) **S117624534**

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:	288989
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 33I019784
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:	05/09/2008
Processed Date:	09/14/2005
Status:	Active
Status Date:	09/14/2005
Place Size:	4
Place Size Unit:	Acres
Contact:	Marty Hartman
Contact Title:	Not reported
Contact Phone:	951-845-4315
Contact Phone Ext:	Not reported
Contact Email:	marty@mandmautowrecking.com
Operator Name:	Diamond Hills Recycling Corp
Operator Address:	249 Veile Ave
Operator City:	Beaumont
Operator State:	California
Operator Zip:	92223
Operator Contact:	Marty Hartman
Operator Contact Title:	Not reported
Operator Contact Phone:	951-845-4315
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	marty@mandmautowrecking.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:	951-845-4315
Emergency Phone Ext:	Not reported

M M AUTO WRECKING (Continued) **S117624534**

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:	N
Receiving Water Name:	Copper Creek
Certifier:	Marty Hartman
Certifier Title:	OWNER
Certification Date:	09-MAR-15
Primary Sic:	5015-Motor Vehicle Parts, Used
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	M M AUTO WRECKING
Address:	249 VEILE AVE
City,State,Zip:	BEAUMONT, CA 92223
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	288989
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 33I019784
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2005
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	249 Veile Ave
Discharge Name:	Diamond Hills Recycling Corp
Discharge City:	Beaumont
Discharge State:	California
Discharge Zip:	92223
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

M M AUTO WRECKING (Continued) **S117624534**

Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	288989
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33I019784
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2005
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Diamond Hills Recycling Corp
Discharge Address:	249 Veile Ave
Discharge City:	Beaumont
Discharge State:	California
Discharge Zip:	92223
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
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

M M AUTO WRECKING (Continued) **S117624534**

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:	288989
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 33I019784
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:	05/09/2008
Processed Date:	09/14/2005
Status:	Active
Status Date:	09/14/2005
Place Size:	4
Place Size Unit:	Acres
Contact:	Marty Hartman
Contact Title:	Not reported
Contact Phone:	951-845-4315
Contact Phone Ext:	Not reported
Contact Email:	marty@mandmautowrecking.com
Operator Name:	Diamond Hills Recycling Corp
Operator Address:	249 Veile Ave
Operator City:	Beaumont
Operator State:	California
Operator Zip:	92223
Operator Contact:	Marty Hartman
Operator Contact Title:	Not reported
Operator Contact Phone:	951-845-4315
Operator Contact Phone Ext:	Not reported

M M AUTO WRECKING (Continued) **S117624534**

Operator Contact Email:	marty@mandmautowrecking.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:	951-845-4315
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:	N
Receiving Water Name:	Copper Creek
Certifier:	Marty Hartman
Certifier Title:	OWNER
Certification Date:	09-MAR-15
Primary Sic:	5015-Motor Vehicle Parts, Used
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	M M AUTO WRECKING
Address:	249 VEILE AVE
City,State,Zip:	BEAUMONT, CA 92223
Agency:	Corbett, Neil & Cathy
Agency Address:	249 Veile Ave, Beaumont, CA 92223
Place/Project Type:	Industrial - Motor Vehicle Parts, Used
SIC/NAICS:	5015
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 33I003598
NPDES Number:	CAS000001
Adoption Date:	01/01/1900
Effective Date:	04/03/1992
Termination Date:	08/22/2005
Expiration/Review Date:	01/01/1900

M M AUTO WRECKING (Continued) **S117624534**

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:	33.92398
Longitude:	-116.98828

Name:	M M AUTO WRECKING
Address:	249 VEILE AVE
City,State,Zip:	BEAUMONT, CA 92223
Agency:	Diamond Hills Recycling Corp
Agency Address:	249 Veile Ave, Beaumont, CA 92223
Place/Project Type:	Industrial - Motor Vehicle Parts, Used
SIC/NAICS:	5015
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 33I019784
NPDES Number:	CAS000001
Adoption Date:	01/01/1900
Effective Date:	09/14/2005
Termination Date:	01/01/1900
Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	33.92398
Longitude:	-116.98828

CERS:

Name:	M M AUTO WRECKING
Address:	249 VEILE AVE
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	536105
CERS ID:	868969
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	536105
Site Name:	M M Auto Wrecking
Violation Date:	08-07-2007
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	1st Notice of Non-Compliance - 08/07/2007: Failure to submit 2006-2007 Annual Report by July 1st.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

M M AUTO WRECKING (Continued) **S117624534**

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 06-26-2012
- Violations Found: No
- Eval Type: Industrial Storm Water Compliance Evaluation
- Eval Notes: Marty couldn't find current or previous year's ARs, but he found the 09-10 report. He couldn't find the SWPPP either. He should organize these records better and become familiar with the site's SWPPP. We walked the site and looked at the discharge points. This permittee has only taken a few samples because he is in a monitoring group. The only constituaent that has shown to be high is TSS. He has installed gravel in some swales and straw roles along the two areas where there are discharges offsite. That should help with the TSS, but the areas are overgrown with weeds and the rolls should be properly installed in little ditches with a backfill and held firmly against the ground. He was working on a Pettibone forklift and there was a small oil spill on the ground. I asked him what he does with the soil that is contaminated. He says that he has an agreement with the company that takes his cars to be shredded that it is OK to put a pound or two of contaminated soil in each car. I said that I didn't know if that kind of procedure was allowed, but that I'd get back to him with an answer. He also had a small spill of anti-freeze on a car he was repairing. He siad he wipes up such spills with rags and he washes the rags himself in a washing machine that is attached to the sewer. He puts his core engines in a contained concrete area that is not covered. He said he would like to eventually get the area coverd. He said it has never over flowed and he cleans it out every few weeks when the core engines are hauled away. The runoff from his site runs onto another dismantling yard next door.
- Eval Division: Water Boards
- Eval Program: INDSTW
- Eval Source: SMARTS

Enforcement Action:
- Site ID: 536105
- Site Name: M M Auto Wrecking
- Site Address: 249 VEILE AVE
- Site City: BEAUMONT
- Site Zip: 92223
- Enf Action Date: 08-07-2007
- Enf Action Type: Notice of Non-Compliance for Non-Filers
- Enf Action Description: Notice of Non-Compliance for Non-Filers
- Enf Action Notes: Failure to submit Annual Report for the reporting year 2006-2007 before July 1, 2007. Annual Report 2006-2007 Notice of Non-Compliance was sent out on August 07, 2007.
- Enf Action Division: Water Boards
- Enf Action Program: INDSTW
- Enf Action Source: SMARTS

Affiliation:
- Affiliation Type Desc: Owner/Operator
- Entity Name: Diamond Hills Recycling Corp
- Entity Title: Operator
- Affiliation Address: 249 Veile Ave
- Affiliation City: Beaumont
- Affiliation State: CA

M M AUTO WRECKING (Continued) **S117624534**

Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported

A4 **BEAUMONT AUTO DISMANTLING & RECYCLING** **RCRA NonGen / NLR** **1024812556**
WSW **249 VEILE AVE STE C** **CAL000300349**
< 1/8 **BEAUMONT, CA 92223**
0.013 mi.
67 ft. **Site 4 of 4 in cluster A**

Relative: **Lower**
Actual: **2562 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2005-11-16 00:00:00.0
Handler Name:	BEAUMONT AUTO DISMANTLING & RECYCLING
Handler Address:	249 VEILE AVE STE C
Handler City,State,Zip:	BEAUMONT, CA 92223-2602
EPA ID:	CAL000300349
Contact Name:	MARTIN BRIGHT
Contact Address:	249 VEILE AVE STE C
Contact City,State,Zip:	BEAUMONT, CA 92223
Contact Telephone:	951-845-1995
Contact Fax:	999-999-9999
Contact Email:	WEHAVEYOURPARTS@AOL.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:	249 VEILE AVE STE C
Mailing City,State,Zip:	BEAUMONT, CA 92223-2602
Owner Name:	MARTIN BRIGHT
Owner Type:	Other
Operator Name:	MARTIN BRIGHT
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

BEAUMONT AUTO DISMANTLING & RECYCLING (Continued) **1024812556**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:27:45.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARTIN BRIGHT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	249 VEILE AVE STE C
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-845-1995
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARTIN BRIGHT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	249 VEILE AVE

BEAUMONT AUTO DISMANTLING & RECYCLING (Continued) **1024812556**

Owner/Operator City,State,Zip: BEAUMONT, CA 92223
Owner/Operator Telephone: 951-845-1995
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2005-11-16 00:00:00.0
Handler Name: BEAUMONT AUTO DISMANTLING & RECYCLING
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: 44131
NAICS Description: AUTOMOTIVE PARTS AND ACCESSORIES STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B5 **ORTIZ ENTERPRISES** **RCRA NonGen / NLR** **1025860876**
NE **310 ELM AVE** **CAC003041551**
< 1/8 **BEAUMONT, CA 92223**
0.019 mi.
99 ft. **Site 1 of 2 in cluster B**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 2019-11-01 00:00:00.0
Actual: Handler Name: ORTIZ ENTERPRISES
2560 ft. Handler Address: 310 ELM AVE
Handler City,State,Zip: BEAUMONT, CA 92223
EPA ID: CAC003041551
Contact Name: DOUG DAWSON
Contact Address: 6 CUSHING STE 200
Contact City,State,Zip: IRVINE, CA 92618
Contact Telephone: 949-232-3276
Contact Fax: Not reported
Contact Email: DDAWSON@ORTIZ.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

ORTIZ ENTERPRISES (Continued) **1025860876**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	6 CUSHING STE 200
Mailing City,State,Zip:	IRVINE, CA 92618
Owner Name:	ORTIZ ENTERPRISES
Owner Type:	Other
Operator Name:	DOUG DAWSON
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
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-11-08 14:10:15.0

ORTIZ ENTERPRISES (Continued) **1025860876**

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:	ORTIZ ENTERPRISES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6 CUSHING STE 200
Owner/Operator City,State,Zip:	IRVINE, CA 92618
Owner/Operator Telephone:	949-232-3276
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DOUG DAWSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6 CUSHING STE 200
Owner/Operator City,State,Zip:	IRVINE, CA 92618
Owner/Operator Telephone:	949-232-3276
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-11-01 00:00:00.0
Handler Name: ORTIZ ENTERPRISES	
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

ORTIZ ENTERPRISES (Continued) **1025860876**

Evaluation Action Summary:
Evaluations: No Evaluations Found

B6 **ORTIZ ENTERPRSIES INC** **RCRA NonGen / NLR** **1025860361**
NE **310 ELM ST** **CAC003041005**
< 1/8 **BEAUMONT, CA 92223**
0.019 mi.
99 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
2560 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-10-30 00:00:00.0
Handler Name:	ORTIZ ENTERPRSIES INC	
Handler Address:		310 ELM ST
Handler City,State,Zip:		BEAUMONT, CA 92223
EPA ID:		CAC003041005
Contact Name:		EDWARD HURTADO
Contact Address:		6 CUSHING SUITE 200
Contact City,State,Zip:		IRVINE, CA 92618-4228
Contact Telephone:		949-456-5054
Contact Fax:		Not reported
Contact Email:		EHURTADO@ORTIZENT.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:		6 CUSHING SUITE 200
Mailing City,State,Zip:		IRVINE, CA 92618
Owner Name:		ORTIZ ENTERPRISES INC
Owner Type:		Other
Operator Name:		EDWARD HURTADO
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

ORTIZ ENTERPRSIES INC (Continued) **1025860361**

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:	2019-11-08 14:10:06.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ORTIZ ENTERPRISES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	310 ELM ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	949-456-5054
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARD HURTADO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6 CUSHING SUITE 200

ORTIZ ENTERPRSIES INC (Continued) **1025860361**

Owner/Operator City,State,Zip: IRVINE, CA 92618-4228
Owner/Operator Telephone: 949-456-5054
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-10-30 00:00:00.0
Handler Name: ORTIZ ENTERPRSIES 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: 237310
NAICS Description: HIGHWAY, STREET, AND BRIDGE CONSTRUCTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C7 **BOGH ENGINEERING** **CERS HAZ WASTE** **S113112795**
NE **401 W 4TH ST** **CERS TANKS** **N/A**
< 1/8 **BEAUMONT, CA 92223** **HAZNET**
0.079 mi. **CERS**
419 ft. **Site 1 of 4 in cluster C** **HWTS**

Relative: Higher
Actual: 2564 ft.

CERS HAZ WASTE:
Name: BOGH ENGINEERING
Address: 401 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 563814
CERS ID: 10836973
CERS Description: Hazardous Waste Generator

Name: BOGH ENGINEERING
Address: 401 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 563814
CERS ID: 10836973
CERS Description: Hazardous Chemical Management

CERS TANKS:
Name: BOGH ENGINEERING
Address: 401 W 4TH ST

BOGH ENGINEERING (Continued) **S113112795**

City,State,Zip: BEAUMONT, CA 92223
Site ID: 563814
CERS ID: 10836973
CERS Description: Aboveground Petroleum Storage

HAZNET:
Name: BOGH ENGINEERING INC.
Address: 401 W 4TH ST
Address 2: Not reported
City,State,Zip: BEAUMONT, CA 922230000
Contact: JON ROBINSON
Telephone: 9517696168
Mailing Name: Not reported
Mailing Address: 401 W 4TH STREET

Year: 2004
Gepaid: CAL000223527
TSD EPA ID: CAD008252405
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: R01 - Recycler
Tons: 0.187

Additional Info:
Year: 2004
Gen EPA ID: CAL000223527

Shipment Date: 20041230
Creation Date: 3/17/2005 18:34:39
Receipt Date: 20050106
Manifest ID: 24016443
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 0.187
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

CERS:
Name: BOGH ENGINEERING
Address: 401 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 563814

BOGH ENGINEERING (Continued) **S113112795**

CERS ID: 10836973
CERS Description: Chemical Storage Facilities

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: Bogh Engineering
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: BOGH ENGINEERING INC.
Address: 401 W 4TH ST
Address 2: Not reported
City,State,Zip: BEAUMONT, CA 922230000
EPA ID: CAL000223527
Inactive Date: Not reported
Create Date: 06/21/2001
Last Act Date: 07/28/2020
Mailing Name: JON ROBINSON
Mailing Address: 401 W 4TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: BEAUMONT, CA 92223
Owner Name: BOGH ENG.
Owner Address: 401 W 4TH ST
Owner Address 2: Not reported
Owner City,State,Zip: BEAUMONT, CA 922230000
Contact Name: JON ROBINSON
Contact Address: 401 W 4TH ST
Contact Address 2: Not reported
City,State,Zip: BEAUMONT, CA 92223

NAICS:
EPA ID: CAL000223527
Create Date: 2002-03-14 16:36:29.000
NAICS Code: 23541
NAICS Description: Masonry and Stone Contractors
Issued EPA ID Date: 2001-06-21 00:00:00
Inactive Date: Not reported
Facility Name: BOGH ENGINEERING INC.
Facility Address: 401 W 4TH ST
Facility Address 2: Not reported
Facility City: BEAUMONT

BOGH ENGINEERING (Continued) **S113112795**

Facility County:	Not reported
Facility State:	CA
Facility Zip:	922230000
EPA ID:	CAL000223527
Create Date:	2005-09-27 09:28:33.077
NAICS Code:	23571
NAICS Description:	Concrete Contractors
Issued EPA ID Date:	2001-06-21 00:00:00
Inactive Date:	Not reported
Facility Name:	BOGH ENGINEERING INC.
Facility Address:	401 W 4TH ST
Facility Address 2:	Not reported
Facility City:	BEAUMONT
Facility County:	Not reported
Facility State:	CA
Facility Zip:	922230000

C8 **BOGH ENGINEERING INC.** **RCRA NonGen / NLR** **1024800939**
NE **401 W 4TH ST** **CAL000223527**
< 1/8 **BEAUMONT, CA 92223**
0.079 mi.
419 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
2564 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2001-06-21 00:00:00.0
Handler Name:	BOGH ENGINEERING INC.	
Handler Address:		401 W 4TH ST
Handler City,State,Zip:		BEAUMONT, CA 92223-0000
EPA ID:		CAL000223527
Contact Name:		JON ROBINSON
Contact Address:		401 W 4TH ST
Contact City,State,Zip:		BEAUMONT, CA 92223
Contact Telephone:		909-376-2727
Contact Fax:		951-845-3106
Contact Email:		JON@BOGHINC.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:		401 W 4TH STREET
Mailing City,State,Zip:		BEAUMONT, CA 92223-0000
Owner Name:		BOGH ENG.
Owner Type:		Other
Operator Name:		JON ROBINSON
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

BOGH ENGINEERING INC. (Continued) **1024800939**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:45:23.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BOGH ENG.
Legal Status:	Other
Date Became Current:	Not reported

BOGH ENGINEERING INC. (Continued) **1024800939**

Date Ended Current:	Not reported
Owner/Operator Address:	401 W 4TH ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223-0000
Owner/Operator Telephone:	951-845-4607
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	JON ROBINSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	401 W 4TH ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	909-376-2727
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2001-06-21 00:00:00.0
Handler Name: BOGH ENGINEERING 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:	23541
NAICS Description:	MASONRY AND STONE CONTRACTORS
NAICS Code:	23571
NAICS Description:	CONCRETE CONTRACTORS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D9 **PUBLIC WORKS YARD** **LUST** **S105022733**
NW **711 04TH** **HIST CORTESE** **N/A**
< 1/8 **BEAUMONT, CA 92223**
0.084 mi.
445 ft. **Site 1 of 10 in cluster D**

Relative:
Higher

Actual:
2563 ft.

LUST REG 8:

Name:	PUBLIC WORKS YARD
Address:	711 4TH ST
City:	BEAUMONT
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083300313T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	MINNESOTA
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Test
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Piping
Global ID:	T0606500034
How Stopped Date:	7/31/1986
Enter Date:	12/31/1986
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	7/29/1986
Enforcement Date:	Not reported
Close Date:	7/11/1988
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	3/1/1988
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	12/31/1986
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9517257
Longitude:	-116.970595
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency

PUBLIC WORKS YARD (Continued) **S105022733**

Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: CASE PREVIOUSLY CLOSED, HOWEVER TANK TEST CONDUCTED ON 01/20/88 REVEALED SECOND INSTANCE OF DIESEL FUEL LEAKAGE FROM THE SAME TANK. SUBSEQUENTLY, CASE UNDER INVESTIGATION.

HIST CORTESE:
edr_fname: PUBLIC WORKS YARD
edr_fadd1: 711 04TH
City,State,Zip: BEAUMONT, CA 92223
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083300313T

D10 **PUBLIC WORKS YARD** **LUST** **S109284880**
NW **711 W 4TH ST** **Cortese** **N/A**
< 1/8 **BEAUMONT, CA 92223** **CERS**
0.105 mi.
557 ft. **Site 2 of 10 in cluster D**

Relative:
Lower

Actual:
2560 ft.

LUST:
Name: PUBLIC WORKS YARD
Address: 711 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500034
Global Id: T0606500034
Latitude: 33.9261144
Longitude: -116.9912573
Status: Completed - Case Closed
Status Date: 07/11/1988
Case Worker: Not reported
RB Case Number: 083300313T
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0606500034
Action Type: ENFORCEMENT
Date: 07/11/1988
Action: Closure/No Further Action Letter

Global Id: T0606500034
Action Type: Other
Date: 07/29/1986
Action: Leak Discovery

Global Id: T0606500034

PUBLIC WORKS YARD (Continued) **S109284880**

Action Type: Other
Date: 07/31/1986
Action: Leak Stopped

Global Id: T0606500034
Action Type: Other
Date: 08/28/1986
Action: Leak Reported

LUST:
Global Id: T0606500034
Status: Open - Case Begin Date
Status Date: 07/29/1986

Global Id: T0606500034
Status: Open - Site Assessment
Status Date: 03/01/1988

Global Id: T0606500034
Status: Completed - Case Closed
Status Date: 07/11/1988

CORTESE:
Name: PUBLIC WORKS YARD
Address: 711 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0606500034
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

CERS:
Name: PUBLIC WORKS YARD
Address: 711 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 244642
CERS ID: T0606500034
CERS Description: Leaking Underground Storage Tank Cleanup Site

D11 **CITY OF BEAUMONT** **HIST UST** **S112859335**
NW **713 WEST 4TH ST** **HAZNET** **N/A**
< 1/8 **BEAUMONT, CA 92223** **HWTS**
0.107 mi.
564 ft. **Site 3 of 10 in cluster D**

Relative:
Lower

Actual:
2559 ft.

HIST UST:

Name:	CITY OF BAUMONT PUBLIC WORKS
Address:	713 WEST 4TH STREET
City,State,Zip:	BEAUMONT, CA 92223
File Number:	0001F51D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F51D.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:

HAZNET:

Name:	CITY OF BEAUMONT
Address:	713 WEST 4TH ST
Address 2:	Not reported
City,State,Zip:	BEAUMONT, CA 922230000
Contact:	DE MOORJANI
Telephone:	9098451172
Mailing Name:	Not reported
Mailing Address:	PO BOX 158
Year:	2005
Gepaid:	CAC001006264
TSD EPA ID:	IND093219012
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	*** - Invalid Code
Tons:	0.019
Year:	1994
Gepaid:	CAC001006264
TSD EPA ID:	CAD099452708
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	R01 - Recycler
Tons:	0.8548
Year:	1994

CITY OF BEAUMONT (Continued) **S112859335**

Gepaid: CAC001006264
TSD EPA ID: CAT080011059
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 4.56

Additional Info:
Year: 1994
Gen EPA ID: CAC001006264

Shipment Date: 19940818
Creation Date: 3/26/1996 0:00:00
Receipt Date: 19940819
Manifest ID: 93169146
Trans EPA ID: CAD982429433
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: Not reported
TSDF Alt EPA ID: CAD099452708
TSDF Alt Name: Not reported
Waste Code Description: 241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.8548
Waste Quantity: 205
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: 19940815
Creation Date: 10/16/1995 0:00:00
Receipt Date: 19940822
Manifest ID: 93742834
Trans EPA ID: CAT080016116
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: Not reported
Trans Name: Not reported
TSDF Alt EPA ID: CAT080011059
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 4.56
Waste Quantity: 1200
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

CITY OF BEAUMONT (Continued) **S112859335**

Additional Code 5: Not reported

Additional Info:
Year: 2005
Gen EPA ID: CAC001006264

Shipment Date: 20050831
Creation Date: 4/13/2006 18:48:46
Receipt Date: 20050927
Manifest ID: 21640743
Trans EPA ID: IND058484114
Trans Name: HERITAGE TRANSPORT LLC
Trans 2 EPA ID: AZD982403586
Trans 2 Name: ENGLUND EQUIPT
TSDF EPA ID: IND093219012
Trans Name: HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 792 - Not reported
RCRA Code: D002
Meth Code: *** - Invalid Code
Quantity Tons: 0.019
Waste Quantity: 38
Quantity Unit: P
Additional 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: CITY OF BEAUMONT
Address: 713 WEST 4TH ST
Address 2: Not reported
City,State,Zip: BEAUMONT, CA 922230000
EPA ID: CAC001006264
Inactive Date: 10/25/2000
Create Date: 08/15/1994
Last Act Date: 10/25/2000
Mailing Name: Not reported
Mailing Address: PO BOX 158
Mailing Address 2: Not reported
Mailing City,State,Zip: BEAUMONT, CA 922230000
Owner Name: CITY OF BEUMONT
Owner Address: 713 WEST 4TH ST
Owner Address 2: Not reported
Owner City,State,Zip: BEAUMONT, CA 922230000
Contact Name: DE MOORJANI
Contact Address: 713 WEST 4TH ST
Contact Address 2: Not reported
City,State,Zip: BEUMONT, CA 922230000

D12
NW
< 1/8
0.107 mi.
564 ft.

BEAUMONT CITY OF/PUBLIC WORKS
713 W FOURTH ST
BEAUMONT, CA 92223

Site 4 of 10 in cluster D

SWEEPS UST **S106923199**
N/A

Relative:
Lower

Actual:
2559 ft.

SWEEPS UST:

Name:	BEAUMONT CITY OF/PUBLIC WORKS
Address:	713 W FOURTH ST
City:	BEAUMONT
Status:	Active
Comp Number:	38736
Number:	4
Board Of Equalization:	44-018226
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	02-29-88
Owner Tank Id:	000178
SWRCB Tank Id:	33-000-038736-000001
Tank Status:	A
Capacity:	15000
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Name:	BEAUMONT CITY OF/PUBLIC WORKS
Address:	713 W FOURTH ST
City:	BEAUMONT
Status:	Active
Comp Number:	38736
Number:	4
Board Of Equalization:	44-018226
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	02-29-88
Owner Tank Id:	000178
SWRCB Tank Id:	33-000-038736-000002
Tank Status:	A
Capacity:	15000
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Name:	BEAUMONT CITY OF/PUBLIC WORKS
Address:	713 W FOURTH ST
City:	BEAUMONT
Status:	Active
Comp Number:	38736
Number:	4
Board Of Equalization:	44-018226
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	02-29-88
Owner Tank Id:	000178
SWRCB Tank Id:	33-000-038736-000003

BEAUMONT CITY OF/PUBLIC WORKS (Continued) **S106923199**

Tank Status:	A
Capacity:	10000
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

D13 **W.M. LYLES CO.** **RCRA NonGen / NLR** **1026488904**
NW **715 W 4TH ST** **CAC003095143**
< 1/8 **BEAUMONT, CA 92223**
0.108 mi.
572 ft. **Site 5 of 10 in cluster D**

Relative: **Lower**
Actual: **2559 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-12-01 00:00:00.0
Handler Name:	W.M. LYLES CO.	
Handler Address:		715 W 4TH ST
Handler City,State,Zip:		BEAUMONT, CA 92223
EPA ID:		CAC003095143
Contact Name:		CHARLES HENLEY
Contact Address:		715 W 4TH ST
Contact City,State,Zip:		BEAUMONT, CA 92223
Contact Telephone:		951-326-0121
Contact Fax:		951-346-3554
Contact Email:		CHENLEY@WMLYLES.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:		42142 ROICK DR.
Mailing City,State,Zip:		TEMECULA, CA 92590
Owner Name:		W.M. LYLES
Owner Type:		Other
Operator Name:		CHARLES HENLEY
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

W.M. LYLES CO. (Continued) **1026488904**

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:	2020-12-03 16:49:11.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHARLES HENLEY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	715 W 4TH ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-326-0121
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	W.M. LYLES
Legal Status:	Other

W.M. LYLES CO. (Continued) **1026488904**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	42142 ROICK DR.
Owner/Operator City,State,Zip:	TEMECULA, CA 92590
Owner/Operator Telephone:	951-973-7393
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-12-01 00:00:00.0
Handler Name: W.M. LYLES CO.	
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:	236220
NAICS Description:	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D14 **W.M. LYLES CO.** **RCRA NonGen / NLR** **1026489039**
NW **715 W. 4TH ST** **CAC003095285**
< 1/8 **BEAUMONT, CA 92223**
0.108 mi.
572 ft. **Site 6 of 10 in cluster D**

Relative: **Lower**

Actual: **2559 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-12-02 00:00:00.0
Handler Name: W.M. LYLES CO.	
Handler Address:	715 W. 4TH ST
Handler City,State,Zip:	BEAUMONT, CA 92223
EPA ID:	CAC003095285
Contact Name:	OSCAR MENDOZA
Contact Address:	715 W. 4TH ST
Contact City,State,Zip:	BEAUMONT, CA 92223
Contact Telephone:	619-565-6064
Contact Fax:	951-698-3031
Contact Email:	OMENDOZA@WMLYLESCO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

W.M. LYLES CO. (Continued) **1026489039**

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:	42142 ROICK DR
Mailing City,State,Zip:	TEMECULA, CA 92590
Owner Name:	W.M. LYLES CO.
Owner Type:	Other
Operator Name:	OSCAR MENDOZA
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

W.M. LYLES CO. (Continued) **1026489039**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-12-03 16:49:14.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	W.M. LYLES CO.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	42142 ROICK DR.
Owner/Operator City,State,Zip:	TEMECULA, CA 92590
Owner/Operator Telephone:	951-973-7393
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OSCAR MENDOZA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	715 W. 4TH ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	619-565-6064
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-12-02 00:00:00.0
Handler Name: W.M. LYLES CO.	
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:	236220
NAICS Description:	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

W.M. LYLES CO. (Continued) **1026489039**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D15 **CITY OF BEAUMONT** **AST** **A100418760**
NW **715 W 4TH ST** **N/A**
< 1/8 **BEAUMONT, CA 92223**
0.108 mi.
572 ft. **Site 7 of 10 in cluster D**

Relative: AST:
Lower

Actual: Name:	CITY OF BEAUMONT
2559 ft. Address:	715 W 4TH ST
City/Zip:	BEAUMONT,92223
Certified Unified Program Agencies:	Not reported
Owner:	City Of Beaumont
Total Gallons:	Not reported
CERSID:	10316812
Facility ID:	Not reported
Business Name:	City of Beaumont
Phone:	(951) 769-8534
Fax:	951-769-0914
Mailing Address:	550 E 6th St
Mailing Address City:	Beaumont
Mailing Address State:	CA
Mailing Address Zip Code:	92223
Operator Name:	City of Beaumont
Operator Phone:	951-769-8534
Owner Phone:	(951) 769-8520
Owner Mail Address:	550 E 6th St
Owner State:	CA
Owner Zip Code:	92223
Owner Country:	United States
Property Owner Name:	City of Beaumont
Property Owner Phone:	951-769-8520
Property Owner Mailing Address:	550 E 6th Street
Property Owner City:	Beaumont
Property Owner Stat :	CA
Property Owner Zip Code:	92223
Property Owner Country:	United States
EPAID:	CAL000378628

D16 **CITY OF BEAUMONT WWTP** **RCRA NonGen / NLR** **1024835973**
NW **715 W 4TH ST** **CAL000378628**
< 1/8 **BEAUMONT, CA 92223**
0.108 mi.
572 ft. **Site 8 of 10 in cluster D**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		2012-09-28 00:00:00.0
2559 ft. Handler Name:	CITY OF BEAUMONT WWTP	
Handler Address:		715 W 4TH ST

CITY OF BEAUMONT WWTP (Continued) **1024835973**

Handler City,State,Zip:	BEAUMONT, CA 92223
EPA ID:	CAL000378628
Contact Name:	DAVID SIRCLE
Contact Address:	715 W 4TH ST
Contact City,State,Zip:	BEAUMONT, CA 92223
Contact Telephone:	951-769-8534
Contact Fax:	951-769-0914
Contact Email:	DSIRCLE@UTILITYPARTNERSLLC.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:	550 E 6TH ST
Mailing City,State,Zip:	BEAUMONT, CA 92223-0000
Owner Name:	CITY OF BEAUMONT
Owner Type:	Other
Operator Name:	DAVID SIRCLE
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

CITY OF BEAUMONT WWTP (Continued) **1024835973**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:01:25.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF BEAUMONT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 E 6TH ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223-0000
Owner/Operator Telephone:	951-769-8520
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAVID SIRCLE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	715 W 4TH ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-769-8534
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2012-09-28 00:00:00.0
Handler Name: CITY OF BEAUMONT WWTP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CITY OF BEAUMONT WWTP (Continued) **1024835973**

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: 92411
NAICS Description: ADMINISTRATION OF AIR AND WATER RESOURCE AND SOLID WASTE MANAGEMENT PROGRAMS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D17 **WWTP SALT MITIGATION UPGRADE PROJECT** **CERS HAZ WASTE** **S113802673**
NW **715 W. 4TH STREET** **CERS TANKS** **N/A**
< 1/8 **BEAUMONT, CA 92223** **NPDES**
0.108 mi. **CIWQS**
572 ft. **Site 9 of 10 in cluster D** **CERS**

Relative:
Lower

Actual:
2559 ft.

CERS HAZ WASTE:
Name: CITY OF BEAUMONT
Address: 715 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 19418
CERS ID: 10316812
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CITY OF BEAUMONT
Address: 715 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 19418
CERS ID: 10316812
CERS Description: Aboveground Petroleum Storage

NPDES:
Name: WWTP SALT MITIGATION UPGRADE PROJECT
Address: 715 W 4TH STREET
City,State,Zip: BEAUMONT, CA 92223
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: Not reported
Regulatory Measure Type: Construction
Program Type: Not reported

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

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:	Returned
Status Date:	04/23/2019
Operator Name:	City of Beaumont
Operator Address:	550 E 6th St
Operator City:	Beaumont
Operator State:	California
Operator Zip:	92223

Name:	BRINE DISPOSAL PIPELINE PROJECT REACH 1 & 2
Address:	715 W 4TH STREET
City,State,Zip:	BEAUMONT, CA 92223
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:	Not reported
Regulatory Measure Type:	Region 8 MS4 CIPs
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:	03/12/2019
Operator Name:	City of Beaumont
Operator Address:	550 E 6th St
Operator City:	Beaumont
Operator State:	California
Operator Zip:	92223

Name:	WWTP SALT MITIGATION UPGRADE PROJECT
Address:	715 W. 4TH STREET
City,State,Zip:	BEAUMONT, CA 92223
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

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

WDID:	Not reported
Regulatory Measure Type:	Region 8 MS4 CIPs
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:	03/11/2019
Operator Name:	City of Beaumont
Operator Address:	550 E 6th St
Operator City:	Beaumont
Operator State:	California
Operator Zip:	92223

CIWQS:

Name:	BRINE DISPOSAL PIPELINE PROJECT REACH 1 & 2
Address:	715 W 4TH STREET
City,State,Zip:	BEAUMONT, CA 92223
Agency:	City of Beaumont
Agency Address:	550 E 6th St 6th Street, Beaumont, CA 92223
Place/Project Type:	Facility
SIC/NAICS:	Not reported
Region:	8
Program:	MNSTW1
Regulatory Measure Status:	Active
Regulatory Measure Type:	Region 8 MS4 CIPs
Order Number:	R8-2010-0033
WDID:	Not reported
NPDES Number:	CAS618033
Adoption Date:	01/01/1900
Effective Date:	03/12/2019
Termination Date:	01/01/1900
Expiration/Review Date:	01/01/1900
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:	33.92556
Longitude:	-116.99056

Name:	WWTP SALT MITIGATION UPGRADE PROJECT
Address:	715 W. 4TH STREET
City,State,Zip:	BEAUMONT, CA 92223
Agency:	City of Beaumont
Agency Address:	550 E 6th St 6th Street, Beaumont, CA 92223
Place/Project Type:	Facility
SIC/NAICS:	Not reported
Region:	8
Program:	MNSTW1

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

Regulatory Measure Status:	Active
Regulatory Measure Type:	Region 8 MS4 CIPs
Order Number:	R8-2010-0033
WDID:	Not reported
NPDES Number:	CAS618033
Adoption Date:	01/01/1900
Effective Date:	03/11/2019
Termination Date:	01/01/1900
Expiration/Review Date:	01/01/1900
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:	33.92556
Longitude:	-116.99056

CERS:

Name:	WWTP SALT MITIGATION UPGRADE PROJECT
Address:	715 W. 4TH STREET
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	547045
CERS ID:	870851
CERS Description:	Construction Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	City of Beaumont
Entity Title:	Operator
Affiliation Address:	550 E 6th St6th Street
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported

Name:	BRINE DISPOSAL PIPELINE PROJECT REACH 1 & 2
Address:	715 W 4TH STREET
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	527898
CERS ID:	870857
CERS Description:	Construction Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	City of Beaumont
Entity Title:	Operator
Affiliation Address:	550 E 6th St6th Street
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported

Name:	CITY OF BEAUMONT

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

Address: 715 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 19418
CERS ID: 10316812
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 19418
Site Name: City of Beaumont
Violation Date: 05-29-2019
Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes: Returned to compliance on 09/06/2019.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS

Site ID: 19418
Site Name: City of Beaumont
Violation Date: 05-29-2019
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 have management or a professional engineer certify the SPCC Plan and comply with certification requirements at a qualified facility.
Violation Notes: Returned to compliance on 08/22/2019.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS

Site ID: 19418
Site Name: City of Beaumont
Violation Date: 01-14-2016
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 all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes: Returned to compliance on 01/28/2016.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS

Site ID: 19418
Site Name: City of Beaumont
Violation Date: 11-28-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

	date.
Violation Notes:	Returned to compliance on 09/06/2019.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	19418
Site Name:	City of Beaumont
Violation Date:	05-29-2019
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 09/06/2019. OBSERVATION: The most recent business plan submission in the statewide information management system (CERS) failed to contain a chemical inventory description page for 200 gallon generator, 3000 gallon generator, and diesel fuel tank used in construction of site upgrades. 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 at http://cers.calepa.ca.gov.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	19418
Site Name:	City of Beaumont
Violation Date:	05-29-2019
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 of a Tier I qualified facility to certify the SPCC Plan according to 40 CFR 112.6(a)(1) if a technical change has been made to the facility design, construction, operation, or maintenance.
Violation Notes:	Returned to compliance on 08/22/2019.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	19418
Site Name:	City of Beaumont
Violation Date:	01-14-2016
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 maintain adequate records (or NPDES permit records) of drainage from diked areas.
Violation Notes:	Returned to compliance on 01/28/2016.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	19418
Site Name:	City of Beaumont
Violation Date:	01-14-2016
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

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

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 01/28/2016.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 19418
Site Name: City of Beaumont
Violation Date: 05-29-2019
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 06/21/2019. OBSERVATION: Observed straw broom in grease bucket. , was informed no longer in use. CORRECTIVE ACTION: Owner/operator shall remove broom, and manage according to Title 22 hazardous waste regulations. Submit a statement and supporting documentation (photos) explaining how this waste was managed to this department.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 19418
Site Name: City of Beaumont
Violation Date: 07-31-2019
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 09/06/2019. OBSERVATION: The chemical inventory description page submitted for diesel fuel contained incorrect information. Does not account for additional generator, contractor tank. CORRECTIVE ACTION: Owner/operator shall update the chemical inventory page for diesel fuel and submit to the statewide information management system at http://cers.calepa.ca.gov. Missing information may be found by looking at the chemical safety data sheet.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
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

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
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: 01-14-2016
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: 05-29-2019
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: Compliance Evaluation Inspection
Eval Date: 05-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NFPA 704 signs showing signs of wear. Ensure complete copy of HMBP [Hazardous Materials Business Plan] is available to personnel.
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-31-2019
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: 07-31-2019

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-28-2017
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: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 19418
Site Name: City of Beaumont
Site Address: 715 W 4TH ST
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 01-14-2016
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: APSA
Enf Action Source: CERS

Site ID: 19418
Site Name: City of Beaumont
Site Address: 715 W 4TH ST
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 01-14-2016
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

Coordinates:
Site ID: 19418
Facility Name: City of Beaumont
Env Int Type Code: HWG
Program ID: 10316812
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.926200
Longitude: -116.992540

Affiliation:
Affiliation Type Desc: Operator
Entity Name: City Of Beaumont

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

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) 769-8534
Affiliation Type Desc:	Property Owner
Entity Name:	City of Beaumont
Entity Title:	Not reported
Affiliation Address:	550 E 6th Street
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92223
Affiliation Phone:	(951) 769-8520
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:	Document Preparer
Entity Name:	Thaxton Van Belle
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Thaxton Van Belle
Entity Title:	Not reported
Affiliation Address:	550 E 6th Street
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Thaxton Van Belle
Entity Title:	Chief Plant Operator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

WWTP SALT MITIGATION UPGRADE PROJECT (Continued) **S113802673**

Affiliation Type Desc:	Legal Owner
Entity Name:	City Of Beaumont
Entity Title:	Not reported
Affiliation Address:	550 E 6th St
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92223
Affiliation Phone:	(951) 769-8520

Affiliation Type Desc:	Parent Corporation
Entity Name:	City of Beaumont - Wastewater
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	550 E 6th St
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported

D18 **W. M. LYLES CO.** **RCRA NonGen / NLR** **1025864238**
NW **715 W 4TH ST** **CAC003045058**
< 1/8 **BEAUMONT, CA 92223**
0.108 mi.
572 ft. **Site 10 of 10 in cluster D**

Relative: **Lower**

Actual: **2559 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-11-27 00:00:00.0
Handler Name:	W. M. LYLES CO.	
Handler Address:		715 W 4TH ST
Handler City,State,Zip:		BEAUMONT, CA 92223-2674
EPA ID:		CAC003045058
Contact Name:		JEFF BURNS
Contact Address:		715 W 4TH ST
Contact City,State,Zip:		BEAUMONT, CA 92223-2674
Contact Telephone:		951-501-6382
Contact Fax:		Not reported
Contact Email:		JBURNS@LYLESSC.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

W. M. LYLES CO. (Continued) **1025864238**

State District:	Not reported
Mailing Address:	42142 ROICK DR
Mailing City,State,Zip:	TEMECULA, CA 92590-3695
Owner Name:	W.M. LYLES CO.
Owner Type:	Other
Operator Name:	JEFF BURNS
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
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-11-27 13:52:10.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

W. M. LYLES CO. (Continued) **1025864238**

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:	W.M. LYLES CO.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	42142 ROICK DR
Owner/Operator City,State,Zip:	TEMECULA, CA 92590-3695
Owner/Operator Telephone:	951-501-6382
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JEFF BURNS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	715 W 4TH ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223-2674
Owner/Operator Telephone:	951-501-6382
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-11-27 00:00:00.0
Handler Name: W. M. LYLES CO.	
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:	236220
NAICS Description:	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C19 **WHOLESALE SHUTTER COMPANY INC** **CERS HAZ WASTE** **S113798016**
NE **411 OLIVE AVE** **EMI** **N/A**
< 1/8 **BEAUMONT, CA 92223** **HAZNET**
0.112 mi. **CERS**
591 ft. **Site 3 of 4 in cluster C** **HWTS**

Relative: Higher

Actual: 2566 ft.

CERS HAZ WASTE:

Name:	WHOLESALE SHUTTER CO., INC
Address:	411 OLIVE AVE
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	85982
CERS ID:	10320385
CERS Description:	Hazardous Waste Generator

EMI:

Name:	WHOLESALE SHUTTER COMPANY, LLC
Address:	411 OLIVE AVE
City,State,Zip:	BEAUMONT, CA 92223
Year:	2018
County Code:	33
Air Basin:	SC
Facility ID:	125090
Air District Name:	SC
SIC Code:	2499
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:	3.6359044438
Reactive Organic Gases Tons/Yr:	3.59191
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.1639786
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.157419456

HAZNET:

Name:	WHOLESALE SHUTTER COMPANY INC
Address:	411 OLIVE AVE
Address 2:	Not reported
City,State,Zip:	BEAUMONT, CA 92223
Contact:	SABIHA PATEL
Telephone:	9518458786
Mailing Name:	Not reported
Mailing Address:	411 OLIVE AVE
Year:	2015
Gepaid:	CAL000337289
TSD EPA ID:	NED981723513
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.35
Year:	2014
Gepaid:	CAL000337289
TSD EPA ID:	CAD980675276
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Tons:	0.3
Year:	2013
Gepaid:	CAL000337289
TSD EPA ID:	CAD044429835
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.6
Year:	2012
Gepaid:	CAL000337289
TSD EPA ID:	CAD044429835
CA Waste Code:	612 - Household waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.35
Year:	2011
Gepaid:	CAL000337289
TSD EPA ID:	NED981723513
CA Waste Code:	612 - Household waste
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.175
Year:	2009
Gepaid:	CAL000337289
TSD EPA ID:	UTD981552177
CA Waste Code:	612 - Household waste
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.465

Additional Info:

Year:	2012
Gen EPA ID:	CAL000337289
Shipment Date:	20120727
Creation Date:	9/26/2012 22:15:16
Receipt Date:	20120728
Manifest ID:	005630705FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	612 - Household 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

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

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: CAL000337289

Shipment Date: 20090909
Creation Date: 3/5/2010 18:30:52
Receipt Date: 20090916
Manifest ID: 001987125JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: UTR000007708
Trans 2 Name: SLT EXPRESSWAY
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 612 - Household waste
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.465
Waste Quantity: 930
Quantity Unit: P
Additional 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: CAL000337289

Shipment Date: 20110328
Creation Date: 9/13/2011 18:30:11
Receipt Date: 20110419
Manifest ID: 001178225FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANS
TSDF EPA ID: NED981723513
Trans Name: CLEAN HARBORS ENV SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 612 - Household waste
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.175
Waste Quantity: 350
Quantity Unit: P
Additional Code 1: Not reported

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

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:	CAL000337289
Shipment Date:	20150427
Creation Date:	9/22/2015 22:15:43
Receipt Date:	20150504
Manifest ID:	008318489FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MAUMEE EXPRESS
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENV SERVICES INC
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:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
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

Additional Info:

Year:	2013
Gen EPA ID:	CAL000337289
Shipment Date:	20130822
Creation Date:	10/26/2013 22:15:06
Receipt Date:	20130823
Manifest ID:	006105998FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
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:	0.6
Waste Quantity:	1200
Quantity Unit:	P

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Additional 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:	CAL000337289
Shipment Date:	20141006
Creation Date:	12/31/2014 22:14:46
Receipt Date:	20141010
Manifest ID:	008067014FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
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:	0.3
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

CERS:

Name:	WHOLESALE SHUTTER CO., INC
Address:	411 OLIVE AVE
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	85982
CERS ID:	10320385
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/21/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
Citation:	40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description:	Failure to accumulate or store hazardous waste in a lined/compatible container.
Violation Notes:	Returned to compliance on 11/04/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	11-20-2014
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:	Returned to compliance on 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
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

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

	quantities.
Violation Notes:	Returned to compliance on 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
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 12/20/2014. [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:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	11-20-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
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:	Returned to compliance on 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	11-20-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 10/21/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 09/18/2014.

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 09-17-2014
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 10/21/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 03-29-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/23/2018.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 11-28-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/23/2018.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 09-17-2014
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 11/20/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 09-17-2014
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95,

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

	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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
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:	Returned to compliance on 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	09-17-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	02-23-2018
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 05/23/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 11-20-2014
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 11/20/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 09-17-2014
Citation: 40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description: Failure to accumulate or store hazardous waste in a lined/compatible container.
Violation Notes: Returned to compliance on 11/20/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 10-21-2014
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 11/04/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 11-20-2014
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 11/20/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 10-21-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Violation Notes:	Returned to compliance on 12/20/2014. [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:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes:	Returned to compliance on 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	11-20-2014
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 11/20/2014. [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:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	10-21-2014
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 11/20/2014. [LOCAL ORDINANCE VIOLATION 104A] NFPA 704 sign(s) have been posted appropriately.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC
Violation Date:	11-20-2014
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 11/20/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	85982
Site Name:	Wholesale Shutter Co., INC

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Violation Date: 09-17-2014
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes: Returned to compliance on 10/21/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Violation Date: 10-21-2014
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 11/20/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-11-2018
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: 01-11-2018
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: Other/Unknown
Eval Date: 02-23-2018
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-29-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-09-2018
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:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility stores paint, lacquer, acetone, and other materials related to this industry in two designated locations on site, secure cabinet inside and conex outside.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	While on site was informed facility no longer has soiled rags shipped off as hazardous waste, cessation of pick ups occurred approximately 2 years ago. Currently, facility has rags hauled off and laundered on a weekly basis. While on site was also informed the filters used in the paint booths are non-hazardous. #34. A hazardous waste determination by a certified lab will need to be conducted on the paint booth filters to ensure and document proper determination has been made. Further investigation into whether a hazardous waste generator permit is required will be conducted. Please contact this department should you not receive correspondence. 951-766-6524
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-17-2014
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:	09-17-2014
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

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-21-2014
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-21-2014
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: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-20-2014
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: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-20-2014
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-28-2017
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: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Site Address: 411 OLIVE AVE
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 03-29-2018
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Not reported

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Enf Action Division: Riverside County Department of Env Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Site Address: 411 OLIVE AVE
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 09-17-2014
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: 85982
Site Name: Wholesale Shutter Co., INC
Site Address: 411 OLIVE AVE
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 09-17-2014
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

Site ID: 85982
Site Name: Wholesale Shutter Co., INC
Site Address: 411 OLIVE AVE
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 10-21-2014
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: 85982
Site Name: Wholesale Shutter Co., INC
Site Address: 411 OLIVE AVE
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 10-21-2014
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

Site ID: 85982

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Site Name: Wholesale Shutter Co., INC
Site Address: 411 OLIVE AVE
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 11-20-2014
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

Coordinates:
Site ID: 85982
Facility Name: Wholesale Shutter Co., INC
Env Int Type Code: HWG
Program ID: 10320385
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.926670
Longitude: -116.985890

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: Environmental Contact
Entity Name: Sabiha Patel
Entity Title: Not reported
Affiliation Address: 411 Olive Ave
Affiliation City: Beaumont
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92223
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 411 Olive Ave
Affiliation City: Beaumont
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92223
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Sabiha Patel
Entity Title: Not reported

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

Affiliation Address:	411 Olive Ave
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92223
Affiliation Phone:	(951) 743-1991
Affiliation Type Desc:	Document Preparer
Entity Name:	Melissa Ceniceros
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Wholesale Shutter Co.L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Melissa Ceniceros
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Sabiha Patel
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) 743-1991
Affiliation Type Desc:	Property Owner
Entity Name:	Sabiha Patel
Entity Title:	Not reported
Affiliation Address:	411 Olive Ave
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92223
Affiliation Phone:	(951) 845-8786

WHOLESALE SHUTTER COMPANY INC (Continued) **S113798016**

HWTS:

Name:	WHOLESALE SHUTTER COMPANY INC
Address:	411 OLIVE AVE
Address 2:	Not reported
City,State,Zip:	BEAUMONT, CA 92223
EPA ID:	CAL000337289
Inactive Date:	Not reported
Create Date:	10/17/2008
Last Act Date:	02/07/2020
Mailing Name:	Not reported
Mailing Address:	411 OLIVE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BEAUMONT, CA 92223
Owner Name:	WHOLESALE SHUTTER COMPANY INC
Owner Address:	411 OLIVE AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	BEAUMONT, CA 92223
Contact Name:	SABIHA PATEL
Contact Address:	411 OLIVE AVE
Contact Address 2:	Not reported
City,State,Zip:	BEAUMONT, CA 92223

NAICS:

EPA ID:	CAL000337289
Create Date:	2014-09-22 15:17:17.283
NAICS Code:	321918
NAICS Description:	Other Millwork (including Flooring)
Issued EPA ID Date:	2008-10-17 09:57:18.08700
Inactive Date:	Not reported
Facility Name:	WHOLESALE SHUTTER COMPANY INC
Facility Address:	411 OLIVE AVE
Facility Address 2:	Not reported
Facility City:	BEAUMONT
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92223

C20 **WHOLESALE SHUTTER COMPANY INC** **RCRA NonGen / NLR** **1026054418**
NE **411 OLIVE AVE** **CAL000337289**
< 1/8 **BEAUMONT, CA 92223**
0.112 mi.
591 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
2566 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2008-10-17 00:00:00.0
Handler Name:	WHOLESALE SHUTTER COMPANY INC
Handler Address:	411 OLIVE AVE
Handler City,State,Zip:	BEAUMONT, CA 92223
EPA ID:	CAL000337289
Contact Name:	SABIHA PATEL
Contact Address:	411 OLIVE AVE
Contact City,State,Zip:	BEAUMONT, CA 92223
Contact Telephone:	951-845-8786
Contact Fax:	951-845-8925
Contact Email:	SALES@WHOLESALESHUTTER.COM
Contact Title:	Not reported
EPA Region:	09

WHOLESALE SHUTTER COMPANY INC (Continued) **1026054418**

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:	411 OLIVE AVE
Mailing City,State,Zip:	BEAUMONT, CA 92223
Owner Name:	WHOLESALE SHUTTER COMPANY INC
Owner Type:	Other
Operator Name:	SABIHA PATEL
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

WHOLESALE SHUTTER COMPANY INC (Continued) **1026054418**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-02-10 17:53:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WHOLESALE SHUTTER COMPANY INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	411 OLIVE AVE
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-845-8786
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SABIHA PATEL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	411 OLIVE AVE
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-845-8786
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2008-10-17 00:00:00.0
Handler Name:	WHOLESALE SHUTTER COMPANY INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	321918
NAICS Description:	OTHER MILLWORK (INCLUDING FLOORING)

WHOLESALE SHUTTER COMPANY INC (Continued) **1026054418**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

21
ENE
1/8-1/4
0.192 mi.
1013 ft.

AMAZON.COM SERVICES LLC - PSP1
1010 W 4TH ST
BEAUMONT, CA 92223

CERS HAZ WASTE
CERS TANKS
CERS

S126113035
N/A

Relative:
Higher

Actual:
2575 ft.

CERS HAZ WASTE:
Name: AMAZON.COM SERVICES LLC - PSP1
Address: 1010 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 564170
CERS ID: 10837981
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: AMAZON.COM SERVICES LLC - PSP1
Address: 1010 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 564170
CERS ID: 10837981
CERS Description: Aboveground Petroleum Storage

CERS:
Name: AMAZON.COM SERVICES LLC - PSP1
Address: 1010 W 4TH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 564170
CERS ID: 10837981
CERS Description: Chemical Storage Facilities

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: Environmental Contact
Entity Name: Vimal Vijaykumar
Entity Title: Not reported
Affiliation Address: PO Box 80842
Affiliation City: Seattle
Affiliation State: WA
Affiliation Country: Not reported
Affiliation Zip: 98108

AMAZON.COM SERVICES LLC - PSP1 (Continued) **S126113035**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Hunter Gowans
Entity Title:	Staff Scientist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Hunter Gowans
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 80842
Affiliation City:	Seattle
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	98108
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Amazon.com Services LLC
Entity Title:	Not reported
Affiliation Address:	PO Box 80842
Affiliation City:	Seattle
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98108
Affiliation Phone:	(206) 413-4526
Affiliation Type Desc:	Operator
Entity Name:	Amazon.com Services LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(206) 413-4526
Affiliation Type Desc:	Parent Corporation
Entity Name:	Amazon.com Services LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

AMAZON.COM SERVICES LLC - PSP1 (Continued) **S126113035**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

22
NE
1/8-1/4
0.205 mi.
1080 ft.

BALDI BROS CONSTRUCTION
459 EGAN ST
BEAUMONT, CA 92223

RCRA NonGen / NLR **1000189042**
FINDS **CAD008803207**
ECHO

Relative:
Higher

Actual:
2575 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2000-04-20 00:00:00.0
Handler Name:	BALDI BROS CONSTRUCTION
Handler Address:	459 EGAN ST
Handler City,State,Zip:	BEAUMONT, CA 92223
EPA ID:	CAD008803207
Contact Name:	MICHAEL BALDI
Contact Address:	459 EGAN ST
Contact City,State,Zip:	BEAUMONT, CA 92223
Contact Telephone:	909-845-9521
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
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 728
Mailing City,State,Zip:	CHERRY VALLY, CA 92223
Owner Name:	BALDI
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
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

BALDI BROS CONSTRUCTION (Continued) **1000189042**

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:	2002-06-27 03:23:33.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BALDI
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:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported

BALDI BROS CONSTRUCTION (Continued) **1000189042**

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: 2000-04-20 00:00:00.0
Handler Name: BALDI BROS CONSTRUCTION
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 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: 110002634748

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000189042
Registry ID: 110002634748
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002634748
Name: BALDI BROS CONSTRUCTION
Address: 459 EGAN ST
City,State,Zip: BEAUMONT, CA 92223

E23 **PERRICONE JUICES** **RCRA NonGen / NLR** **1025849277**
North **550 B ST** **CAC003029340**
1/8-1/4 **BEAUMONT, CA 92223**
0.205 mi.
1081 ft. **Site 1 of 7 in cluster E**

Relative: **Lower**

Actual: **2562 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-08-14 00:00:00.0
Handler Name:	PERRICONE JUICES	
Handler Address:		550 B ST
Handler City,State,Zip:		BEAUMONT, CA 92223
EPA ID:		CAC003029340
Contact Name:		JON CASTRO
Contact Address:		550 B ST
Contact City,State,Zip:		BEAUMONT, CA 92223
Contact Telephone:		951-769-7171
Contact Fax:		Not reported
Contact Email:		PVEGA@ENVLOGS.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:		550 B ST
Mailing City,State,Zip:		BEAUMONT, CA 92223
Owner Name:		JOE PERRICONE
Owner Type:		Other
Operator Name:		JON CASTRO
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

PERRICONE JUICES (Continued) **1025849277**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-09-10 15:06:54.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JON CASTRO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-769-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOE PERRICONE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-769-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PERRICONE JUICES (Continued) **1025849277**

Historic Generators:
- Receive Date: 2019-08-14 00:00:00.0
- Handler Name: PERRICONE JUICES
- 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

E24 **PERRICONE JUICES** **RCRA-SQG 1004676555**
North **550 B ST** **FINDS CAR000086744**
1/8-1/4 **BEAUMONT, CA 92223** **ECHO**
0.205 mi.
1081 ft. **Site 2 of 7 in cluster E**

Relative: **Lower**
Actual: **2562 ft.**

RCRA-SQG:
- Date Form Received by Agency: 2000-11-16 00:00:00.0
- Handler Name: PERRICONE JUICES
- Handler Address: 550 B ST
- Handler City,State,Zip: BEAUMONT, CA 92223
- EPA ID: CAR000086744
- Contact Name: GEBRIT CONTRERAY
- Contact Address: 550 B ST
- Contact City,State,Zip: BEAUMONT, CA 92223
- Contact Telephone: 909-769-7171
- 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: 550 B ST
- Mailing City,State,Zip: BEAUMONT, CA 92223
- Owner Name: GEBRIT CONTRERAY

PERRICONE JUICES (Continued) **1004676555**

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:	2002-10-07 16:36:34.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

PERRICONE JUICES (Continued) **1004676555**

Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: GEBRIT CONTRERAY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 550 B ST
Owner/Operator City,State,Zip: BEAUMONT, CA 92223
Owner/Operator Telephone: 909-769-7171
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2000-11-16 00:00:00.0
Handler Name: PERRICONE JUICES
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: 110012207593

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource

PERRICONE JUICES (Continued) **1004676555**

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:	1004676555
Registry ID:	110012207593
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012207593
Name:	PERRICONE JUICES
Address:	550 B ST
City,State,Zip:	BEAUMONT, CA 92223

Envid:	1004676555
Registry ID:	Not reported
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=CAL000117259
Name:	PERRICONE JUICES
Address:	550 B ST
City,State,Zip:	BEAUMONT, CA 92223-2672

E25 **PERRICONE JUICES** **RCRA NonGen / NLR** **1026164084**
North **550 B ST** **CAC003064091**
1/8-1/4 **BEAUMONT, CA 92223**
0.205 mi.
1081 ft. **Site 3 of 7 in cluster E**

Relative: **Lower**
Actual: **2562 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-04-22 00:00:00.0
Handler Name:	PERRICONE JUICES	
Handler Address:		550 B ST
Handler City,State,Zip:		BEAUMONT, CA 92223-2672
EPA ID:		CAC003064091
Contact Name:		JON CASTRO
Contact Address:		550 B ST
Contact City,State,Zip:		BEAUMONT, CA 92223-2672
Contact Telephone:		951-769-7171
Contact Fax:		Not reported
Contact Email:		LPENA@USAHAZMAT.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

PERRICONE JUICES (Continued) **1026164084**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	550 B ST
Mailing City,State,Zip:	BEAUMONT, CA 92223-2672
Owner Name:	JOE PERRICONE
Owner Type:	Other
Operator Name:	JON CASTRO
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
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-24 18:56:41.0

PERRICONE JUICES (Continued) **1026164084**

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:	JOE PERRICONE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223-2672
Owner/Operator Telephone:	951-769-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JON CASTRO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223-2672
Owner/Operator Telephone:	951-769-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-04-22 00:00:00.0
Handler Name: PERRICONE JUICES	
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

PERRICONE JUICES (Continued) **1026164084**

Evaluation Action Summary:
Evaluations: No Evaluations Found

E26 **PERRICONE JUICE** **CERS HAZ WASTE** **S123516053**
North **550 B ST** **CERS** **N/A**
1/8-1/4 **BEAUMONT, CA 92223**
0.205 mi.
1081 ft. **Site 4 of 7 in cluster E**

Relative:
Lower

Actual:
2562 ft.

CERS HAZ WASTE:
Name: PERRICONE JUICE
Address: 550 B ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 399290
CERS ID: 10321525
CERS Description: Hazardous Waste Generator

CERS:
Name: PERRICONE JUICE
Address: 550 B ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 399290
CERS ID: 10321525
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: 22 CCR 23 66273.3 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.3
Violation Description: Failure to properly manage electronic waste that exhibits a hazardous characteristic of toxicity or destined to a class I landfill for disposal.
Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the

PERRICONE JUICE (Continued) **S123516053**

following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".
Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: HSC 6.5 25187(a)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25187(a)(1)
Violation Description: Failure to conduct monitoring, testing, analysis, and reporting with respect to the facility or site which the authorized unified program agency deems reasonable to ascertain the nature and extent of the hazard.
Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
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: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)

PERRICONE JUICE (Continued) **S123516053**

Violation Description:	Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years.
Violation Notes:	Returned to compliance on 09/19/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	399290
Site Name:	Perricone Juice
Violation Date:	08-01-2014
Citation:	HSC 6.5 25187.6 - California Health and Safety Code, Chapter 6.5, Section(s) 25187.6
Violation Description:	No person shall remove, transfer, or dispose of the hazardous waste until permission for removal, transfer, or disposal is given by an authorized agent.
Violation Notes:	Returned to compliance on 09/19/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	399290
Site Name:	Perricone Juice
Violation Date:	08-01-2014
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 09/19/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	399290
Site Name:	Perricone Juice
Violation Date:	08-01-2014
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 09/19/2014. [LOCAL ORDINANCE VIOLATION 104A] NFPA 704 sign(s) have been posted appropriately.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	399290
Site Name:	Perricone Juice
Violation Date:	08-01-2014
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 09/19/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS

PERRICONE JUICE (Continued) **S123516053**

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
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 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
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 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
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 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 11-28-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/02/2018.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1

PERRICONE JUICE (Continued) **S123516053**

Violation Description:	Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes:	Returned to compliance on 09/19/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	399290
Site Name:	Perricone Juice
Violation Date:	08-01-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/19/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	399290
Site Name:	Perricone Juice
Violation Date:	08-01-2014
Citation:	22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description:	Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes:	Returned to compliance on 09/19/2014.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	399290
Site Name:	Perricone Juice
Violation Date:	08-01-2014
Citation:	22 CCR 23 66273.36 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.36
Violation Description:	Failure of the universal waste handler to initially train and provide

PERRICONE JUICE (Continued) **S123516053**

annually, thereafter, all personnel who manage or who supervise those who manage universal wastes and to maintain a written record by date indicating the names of personnel who received the information. The universal waste handler shall maintain these records for at least three years from the date the person last managed any universal waste at the facility. This training shall include: 1) The types and hazards associated with the universal waste that personnel may manage at the facility; 2) The proper disposition of universal wastes managed at the facility; 3) The proper procedures for responding to releases of universal wastes including the position titles and the means of contacting those personnel at the facility who are designated to respond to reports of releases and/or to respond to questions received from other personnel at the facility; and 4) The applicable requirements of universal waste regarding labeling, collecting, handling, consolidating, and shipping universal wastes at the facility, including, but not limited to, the prohibition on the disposal of universal wastes, and for personnel involved in shipping universal wastes who are G hazmat employeesG .

Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: 22 CCR 18 66268.7(a) - California Code of Regulations, Title 22, Chapter 18, Section(s) 66268.7(a)
Violation Description: Failure of the generator to determine if the waste is restricted from land disposal.
Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.
Violation Notes: Returned to compliance on 09/19/2014.
Violation Division: Riverside County Department of Env Health

PERRICONE JUICE (Continued) **S123516053**

Violation Program: HW
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
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 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 08-01-2014
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 09/19/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399290
Site Name: Perricone Juice
Violation Date: 01-19-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 05/02/2018.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 11-28-2017
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: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health

PERRICONE JUICE (Continued) **S123516053**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2018
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: 08-01-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection - issued supplemental due to time constraints
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-01-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection - issued supplemental due to time constraints
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Dropped off inspection reports and went over
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Dropped off inspection reports and went over
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-14-2020
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

PERRICONE JUICE (Continued) **S123516053**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-14-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ** No violations observed. **
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-19-2014
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-19-2014
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: HW
Eval Source: CERS

Enforcement Action:
Site ID: 399290
Site Name: Perricone Juice
Site Address: 550 B ST
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 08-01-2014
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: 399290
Site Name: Perricone Juice
Site Address: 550 B ST
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 08-01-2014
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

Coordinates:
Site ID: 399290

PERRICONE JUICE (Continued) **S123516053**

Facility Name: Perricone Juice
Env Int Type Code: HMBP
Program ID: 10321525
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.928700
Longitude: -116.987110

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Jonathan Castro
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Jerry Badeau
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: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Bob Rovzar
Entity Title: Not reported
Affiliation Address: 4000 Westerly Place, Suite 210
Affiliation City: Newport Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92660
Affiliation Phone: (949) 732-3978

Affiliation Type Desc: Operator
Entity Name: Bob Rovzar
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 769-8840

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

PERRICONE JUICE (Continued) **S123516053**

Affiliation Phone:	(951) 358-5055
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	550 "B" St
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jerry Badeau
Entity Title:	Not reported
Affiliation Address:	550 B STREET
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Perricone Juice
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E27 **PERRICONE JUICES** **RCRA NonGen / NLR** **1026169891**
North **550 B ST** **CAL000117259**
1/8-1/4 **BEAUMONT, CA 92223**
0.205 mi.
1081 ft. **Site 5 of 7 in cluster E**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		1993-12-16 00:00:00.0
2562 ft. Handler Name:	PERRICONE JUICES	
Handler Address:		550 B ST
Handler City,State,Zip:		BEAUMONT, CA 92223-2672
EPA ID:		CAL000117259
Contact Name:		SERGIO MONTEON
Contact Address:		550 B STREET
Contact City,State,Zip:		BEAUMONT, CA 92223
Contact Telephone:		951-769-7171
Contact Fax:		951-769-7171
Contact Email:		SMONTEON@PERRICONEFARMS.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

PERRICONE JUICES (Continued) **1026169891**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	550 B STREET
Mailing City,State,Zip:	BEAUMONT, CA 92223
Owner Name:	JOE PERRICONE
Owner Type:	Other
Operator Name:	SERGIO MONTEON
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
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-06-08 20:36:58.0

PERRICONE JUICES (Continued) **1026169891**

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:	SERGIO MONTEON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B STREET
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-769-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOE PERRICONE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B STREET
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-769-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1993-12-16 00:00:00.0
Handler Name: PERRICONE JUICES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	311411
NAICS Description:	FROZEN FRUIT, JUICE, AND VEGETABLE MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

PERRICONE JUICES (Continued) **1026169891**

Evaluation Action Summary:
Evaluations: No Evaluations Found

E28 **PERRICONE JUICES** **RCRA NonGen / NLR** **1025835614**
North **550 B ST** **CAC003015201**
1/8-1/4 **BEAUMONT, CA 92223**
0.205 mi.
1081 ft. **Site 6 of 7 in cluster E**

Relative: **Lower**

Actual: **2562 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-05-15 00:00:00.0
Handler Name:	PERRICONE JUICES	
Handler Address:		550 B ST
Handler City,State,Zip:		BEAUMONT, CA 92223
EPA ID:		CAC003015201
Contact Name:		JON CASTRO
Contact Address:		550 B ST
Contact City,State,Zip:		BEAUMONT, CA 92223
Contact Telephone:		951-769-7171
Contact Fax:		Not reported
Contact Email:		KEILAH@ENVLOGS.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:		550 B ST
Mailing City,State,Zip:		BEAUMONT, CA 92223
Owner Name:		JOE PERRICONE
Owner Type:		Other
Operator Name:		JON CASTRO
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

PERRICONE JUICES (Continued) **1025835614**

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:	2019-06-27 11:35:14.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOE PERRICONE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B ST
Owner/Operator City,State,Zip:	BEAUMONT, CA 92223
Owner/Operator Telephone:	951-769-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JON CASTRO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	550 B ST

PERRICONE JUICES (Continued) **1025835614**

Owner/Operator City,State,Zip: BEAUMONT, CA 92223
Owner/Operator Telephone: 951-769-7171
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-05-15 00:00:00.0
Handler Name: PERRICONE JUICES
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

E29 **BEAUMONT POULTRY INC** **HIST UST** **S118407840**
North **550 B STREET** **N/A**
1/8-1/4 **BEAUMONT, CA 92223**
0.205 mi.
1081 ft. **Site 7 of 7 in cluster E**

Relative: **Lower**
Actual: **2562 ft.**

HIST UST:
Name: BEAUMONT POULTRY INC
Address: 550 B STREET
City,State,Zip: BEAUMONT, CA 92223
File Number: 0001F427
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F427.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

BEAUMONT POULTRY INC (Continued) **S118407840**

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:

F30 **LOWE'S FLATBED DISTRIBUTION CENTER #1429** **CERS HAZ WASTE** **S113152297**
NW **862 W 4TH ST** **HAZNET** **N/A**
1/8-1/4 **BEAUMONT, CA 92223** **CERS**
0.236 mi. **HWTS**
1246 ft. **Site 1 of 2 in cluster F**

Relative: Higher

Actual: 2565 ft.

CERS HAZ WASTE:

Name:	LOWE'S #1429
Address:	862 W 4TH ST
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	396773
CERS ID:	10323163
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	LOWE'S FLATBED DISTRIBUTION CENTER #1429
Address:	862 W 4TH ST
Address 2:	Not reported
City,State,Zip:	BEAUMONT, CA 281170000
Contact:	ROB GASS
Telephone:	7047586033
Mailing Name:	Not reported
Mailing Address:	1000 LOWE'S BLVD
Year:	2019
Gepaid:	CAL000331604
TSD EPA ID:	AZR000515924
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:	0.01400
Year:	2019
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
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:	0.24600
Year:	2019
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
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:	0.04300

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Year:	2019
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.32250

Year:	2019
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
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:	0.03100

Year:	2019
Gepaid:	CAL000331604
TSD EPA ID:	NVD980895338
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:	0.05000

Year:	2018
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
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:	0.00450

Year:	2017
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
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:	0.0395

Year:	2017
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.5135

Year:	2017
Gepaid:	CAL000331604
TSD EPA ID:	CAD008364432
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:	0.0475

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Click this hyperlink while viewing on your computer to access
22 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2016
Gen EPA ID:	CAL000331604
Shipment Date:	20150904
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150910
Manifest ID:	001100408PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	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:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150904
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150910
Manifest ID:	001100408PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3215
Waste Quantity:	643
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Shipment Date:	20150904
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150910
Manifest ID:	001100408PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.031
Waste Quantity:	62
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150619
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150624
Manifest ID:	000168864MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2155
Waste Quantity:	431
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150619
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150624
Manifest ID:	000168864MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.198
Waste Quantity:	396
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150624
Manifest ID:	000168864MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0595
Waste Quantity:	119
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000331604
Shipment Date:	20120912
Creation Date:	11/9/2012 22:15:09
Receipt Date:	20120918
Manifest ID:	000373918PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

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:	0.1435
Waste Quantity:	287
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D007
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20120912
Creation Date:	11/9/2012 22:15:09
Receipt Date:	20120918
Manifest ID:	000373918PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.039
Waste Quantity:	78
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120912
Creation Date:	11/9/2012 22:15:09
Receipt Date:	20120918
Manifest ID:	000373918PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	0.017
Waste Quantity:	34

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120912
Creation Date:	11/9/2012 22:15:09
Receipt Date:	20120918
Manifest ID:	000373918PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.076
Waste Quantity:	152
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120117
Creation Date:	6/9/2012 20:30:10
Receipt Date:	20120130
Manifest ID:	003134766SKS
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:	0.15
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

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Additional Info:

Year:	2017
Gen EPA ID:	CAL000331604
Shipment Date:	20171106
Creation Date:	6/13/2018 18:30:25
Receipt Date:	20171108
Manifest ID:	001686753PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.018
Waste Quantity:	36
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171106
Creation Date:	6/13/2018 18:30:25
Receipt Date:	20171108
Manifest ID:	001686753PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	0.4395
Waste Quantity:	879
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D007
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20170126
Creation Date:	3/23/2017 18:30:37
Receipt Date:	20170130
Manifest ID:	001470869PSC

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170126
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001470869PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2465
Waste Quantity:	493
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170126
Creation Date:	3/23/2017 18:30:37
Receipt Date:	20170130
Manifest ID:	001470869PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

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:	0.0395
Waste Quantity:	79
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170126
Creation Date:	3/23/2017 18:30:37
Receipt Date:	20170130
Manifest ID:	001470869PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0295
Waste Quantity:	59
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170126
Creation Date:	3/23/2017 18:30:37
Receipt Date:	20170130
Manifest ID:	001470869PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	0.074
Waste Quantity:	148
Quantity Unit:	P
Additional Code 1:	D018

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Additional Code 2:	D007
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000331604
Shipment Date:	20100308
Creation Date:	6/29/2010 18:30:08
Receipt Date:	20100315
Manifest ID:	002369901SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN 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:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.502
Waste Quantity:	600
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:	CAL000331604
Shipment Date:	20111021
Creation Date:	5/14/2012 13:12:44
Receipt Date:	20111103
Manifest ID:	002924156SKS
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

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Quantity Unit:	P
Additional 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:	CAL000331604
Shipment Date:	20130605
Creation Date:	8/22/2013 22:15:23
Receipt Date:	20130620
Manifest ID:	000535868PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.043
Waste Quantity:	86
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	8/22/2013 22:15:23
Receipt Date:	20130620
Manifest ID:	000535868PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1385
Waste Quantity:	277
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	8/22/2013 22:15:23
Receipt Date:	20130620
Manifest ID:	000535868PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.392
Waste Quantity:	784
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	8/22/2013 22:15:23
Receipt Date:	20130620
Manifest ID:	000535868PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	0.159
Waste Quantity:	318
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D007
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000331604

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Shipment Date:	20141006
Creation Date:	2/12/2015 22:15:04
Receipt Date:	20141008
Manifest ID:	000865377PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	0.49623
Waste Quantity:	119
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:	20141006
Creation Date:	2/12/2015 22:15:04
Receipt Date:	20141008
Manifest ID:	000865377PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3795
Waste Quantity:	759
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140811
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000190839MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2635
Waste Quantity:	527
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140811
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000190839MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.408
Waste Quantity:	816
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140811
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000190839MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Quantity Tons:	0.2635
Waste Quantity:	527
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140811
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000190839MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.408
Waste Quantity:	816
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140811
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000190839MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D008
Additional Code 3:	D006
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Shipment Date:	20140811
Creation Date:	11/11/2014 22:15:12
Receipt Date:	20140819
Manifest ID:	000190839MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0305
Waste Quantity:	61
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140811
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000190839MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D008
Additional Code 3:	D006
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000331604

Shipment Date:	20150904
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150910

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Manifest ID:	001100408PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	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:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150904
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150910
Manifest ID:	001100408PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3215
Waste Quantity:	643
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150904
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150910
Manifest ID:	001100408PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

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:	0.031
Waste Quantity:	62
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150624
Manifest ID:	000168864MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2155
Waste Quantity:	431
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150624
Manifest ID:	000168864MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.198
Waste Quantity:	396

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150624
Manifest ID:	000168864MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0595
Waste Quantity:	119
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	LOWE'S #1429
Address:	862 W 4TH ST
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	396773
CERS ID:	10323163
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	396773
Site Name:	Lowe's #1429
Violation Date:	10-30-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/17/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	396773
Site Name:	Lowe's #1429

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Violation Date:	10-30-2015
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 11/17/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-11-2018
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:	10-11-2018
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:	10-30-2015
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:	10-30-2015
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

Enforcement Action:

Site ID:	396773
Site Name:	Lowe's #1429
Site Address:	862 W 4TH ST
Site City:	BEAUMONT
Site Zip:	92223
Enf Action Date:	10-30-2015
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

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Enf Action Division:	Riverside County Department of Env Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	396773
Site Name:	Lowe's #1429
Site Address:	862 W 4TH ST
Site City:	BEAUMONT
Site Zip:	92223
Enf Action Date:	10-30-2015
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

Coordinates:

Site ID:	396773
Facility Name:	Lowe's #1429
Env Int Type Code:	HMBP
Program ID:	10323163
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.928010
Longitude:	-116.991020

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:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2603 Main St., Suite 700
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92614
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	LOWE'S Home Centers, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	LOWE'S Home Centers, LLC
Entity Title:	Not reported
Affiliation Address:	1000 Lowe's Blvd.
Affiliation City:	Mooresville
Affiliation State:	NC
Affiliation Country:	United States
Affiliation Zip:	28117
Affiliation Phone:	(704) 758-6033
Affiliation Type Desc:	Property Owner
Entity Name:	Lowe's Home Centers, LLC
Entity Title:	Not reported
Affiliation Address:	1000 Lowe's Blvd.
Affiliation City:	Mooresville
Affiliation State:	NC
Affiliation Country:	United States
Affiliation Zip:	28117
Affiliation Phone:	(704) 758-6033
Affiliation Type Desc:	Environmental Contact
Entity Name:	Laurie Litwin
Entity Title:	Not reported
Affiliation Address:	2603 Main St., Suite 700
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92614
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	LOWE'S Home Centers, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 769-7675
Affiliation Type Desc:	Document Preparer
Entity Name:	APTIM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Laurie Litwin
Entity Title:	Regional Environmental Compliance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **S113152297**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: LOWE'S FLATBED DISTRIBUTION CENTER #1429
Address: 862 W 4TH ST
Address 2: Not reported
City,State,Zip: BEAUMONT, CA 92223
EPA ID: CAL000331604
Inactive Date: Not reported
Create Date: 04/11/2008
Last Act Date: 07/28/2020
Mailing Name: BOBBI TENBORG
Mailing Address: 1000 LOWE'S BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: MOORESVILLE, NC 281170000
Owner Name: LOWES HOME CENTERS, LLC
Owner Address: 1000 LOWE'S BLVD
Owner Address 2: Not reported
Owner City,State,Zip: MOORESVILLE, NC 281170000
Contact Name: ROB GASS
Contact Address: 1000 LOWE'S BLVD
Contact Address 2: Not reported
City,State,Zip: MOORESVILLE, NC 28117

NAICS:
EPA ID: CAL000331604
Create Date: 2008-04-11 15:32:06.600
NAICS Code: 23332
NAICS Description: Commercial and Institutional Building Construction
Issued EPA ID Date: 2008-04-11 15:32:06.57000
Inactive Date: Not reported
Facility Name: LOWE'S FLATBED DISTRIBUTION CENTER #1429
Facility Address: 862 W 4TH ST
Facility Address 2: Not reported
Facility City: BEAUMONT
Facility County: Not reported
Facility State: CA
Facility Zip: 92223

F31 **LOWE'S FLATBED DISTRIBUTION CENTER #1429** **RCRA NonGen / NLR** **1024819966**
NW **862 W 4TH ST** **CAL000331604**
1/8-1/4 **BEAUMONT, CA 92223**
0.236 mi.
1246 ft. **Site 2 of 2 in cluster F**

Relative:
Higher

Actual:
2565 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2008-04-11 00:00:00.0
Handler Name: LOWE'S FLATBED DISTRIBUTION CENTER #1429
Handler Address: 862 W 4TH ST
Handler City,State,Zip: BEAUMONT, CA 92223
EPA ID: CAL000331604
Contact Name: ROB GASS
Contact Address: 1000 LOWE'S BLVD

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **1024819966**

Contact City,State,Zip:	MOORESVILLE, NC 28117
Contact Telephone:	704-758-6033
Contact Fax:	704-757-0702
Contact Email:	ROBERT.A.GASS@LOWES.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:	1000 LOWE'S BLVD
Mailing City,State,Zip:	MOORESVILLE, NC 28117-0000
Owner Name:	LOWES HOME CENTERS, LLC
Owner Type:	Other
Operator Name:	ROB GASS
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

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **1024819966**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:30:15.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROB GASS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1000 LOWE'S BLVD
Owner/Operator City,State,Zip:	MOORESVILLE, NC 28117
Owner/Operator Telephone:	704-758-6033
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LOWES HOME CENTERS, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1000 LOWE'S BLVD
Owner/Operator City,State,Zip:	MOORESVILLE, NC 28117-0000
Owner/Operator Telephone:	704-758-6033
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2008-04-11 00:00:00.0
Handler Name:	LOWE'S FLATBED DISTRIBUTION CENTER #1429
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

LOWE'S FLATBED DISTRIBUTION CENTER #1429 (Continued) **1024819966**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23332
NAICS Description: COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G32 **LOMA LINDA UNIVERSITY PROPERTY** **ENVIROSTOR** **S104156170**
East **NE CORNER OF 3RD ST. AND PENNSYLVANIA AV** **N/A**
1/4-1/2 **BEAMOUNT, CA 92223**
0.276 mi.
1455 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**
Actual: **2569 ft.**

ENVIROSTOR:
Name: LOMA LINDA UNIVERSITY PROPERTY
Address: NE CORNER OF 3RD ST. AND PENNSYLVANIA AV
City,State,Zip: BEAMOUNT, CA 92223
Facility ID: 33990002
Status: Refer: EPA
Status Date: 02/27/2007
Site Code: 400728
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 20
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: US EPA
Program Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 42
Senate: 23
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.92482
Longitude: -116.9821
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Arsenic Lead Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: LOMA LINDA UNIVERSITY PROPERTY
Alias Type: Alternate Name
Alias Name: 400728
Alias Type: Project Code (Site Code)
Alias Name: 33990002
Alias Type: Envirostor ID Number

LOMA LINDA UNIVERSITY PROPERTY (Continued) **S104156170**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	11/07/2006
Comments:	An abbreviated preliminary assessment report was completed by Weston Solutions, Inc., a U.S. EPA contractor. On November 7, 2006, U.S. EPA determined that no further remedial action was needed under CERCLA for this site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	09/18/1998
Comments:	Site Screening Completed.
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

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33 **BEAUMONT CONCRETE COMPANY** **LUST** **S105036229**
NNE **452 5TH ST** **EMI** **N/A**
1/4-1/2 **BEAUMONT, CA 92223**
0.277 mi.
1464 ft.

Relative:
Higher

Actual:
2573 ft.

LUST REG 8:

Name:	BEAUMONT CONCRETE COMPANY
Address:	452 5TH ST
City:	BEAUMONT
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	083302621T
Local Case Num:	95055
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	CALIFORNIA
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Piping
Global ID:	T0606500415
How Stopped Date:	12/15/1994
Enter Date:	2/3/1995
Date Confirmation of Leak Began:	Not reported

BEAUMONT CONCRETE COMPANY (Continued) **S105036229**

Date Preliminary Assessment Began:	3/27/1996
Discover Date:	12/15/1994
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	12/27/1994
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:	2/3/1995
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9517257
Longitude:	-116.970595
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:	CAB
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

LUST:

Name:	BEAUMONT CONCRETE COMPANY
Address:	452 FIFTH ST
City,State,Zip:	BEAUMONT, CA 92223
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500415
Global Id:	T0606500415
Latitude:	33.9517257
Longitude:	-116.970595
Status:	Completed - Case Closed
Status Date:	01/22/1999
Case Worker:	RIV
RB Case Number:	083302621T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	95055
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

BEAUMONT CONCRETE COMPANY (Continued) **S105036229**

LUST:
Global Id: T0606500415
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0606500415
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: T0606500415
Action Type: ENFORCEMENT
Date: 01/21/1999
Action: File review - #RCDEH Upload Site File 4/8/2010

Global Id: T0606500415
Action Type: Other
Date: 12/15/1994
Action: Leak Discovery

Global Id: T0606500415
Action Type: Other
Date: 12/15/1994
Action: Leak Stopped

Global Id: T0606500415
Action Type: Other
Date: 12/27/1994
Action: Leak Reported

Global Id: T0606500415
Action Type: ENFORCEMENT
Date: 01/22/1999
Action: Closure/No Further Action Letter - #Riv Co Closure

LUST:
Global Id: T0606500415
Status: Open - Case Begin Date
Status Date: 12/15/1994

Global Id: T0606500415
Status: Open - Site Assessment
Status Date: 12/27/1994

Global Id: T0606500415
Status: Open - Site Assessment

BEAUMONT CONCRETE COMPANY (Continued) **S105036229**

Status Date: 03/27/1996

Global Id: T0606500415
Status: Completed - Case Closed
Status Date: 01/22/1999

EMI:

Name:	BEAUMONT CONCRETE CO INC
Address:	452 5TH ST
City,State,Zip:	BEAUMONT, CA 92223
Year:	1993
County Code:	33
Air Basin:	SC
Facility ID:	21328
Air District Name:	SC
SIC Code:	3273
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BEAUMONT CONCRETE CO INC
Address:	452 5TH ST
City,State,Zip:	BEAUMONT, CA 92223
Year:	1995
County Code:	33
Air Basin:	SC
Facility ID:	21328
Air District Name:	SC
SIC Code:	3273
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

G34 **BEAUMONT MGP** **EDR MGP** **1008407658**
East **296 CALIFORNIA AVENUE** **N/A**
1/4-1/2 **BEAUMONT, CA 92223**
0.300 mi.
1582 ft. **Site 2 of 2 in cluster G**

Relative: Manufactured Gas Plants:
Higher Former Manufactured Gas Plant (MGP) demolished in 1939.

Actual:
2573 ft.

H35 **PRECISION STAMPING, INC.** **ENVIROSTOR** **S110494180**
NE **246 W. 5TH ST.** **N/A**
1/4-1/2 **RIVERSIDE, CA 92223**
0.363 mi.
1916 ft. **Site 1 of 2 in cluster H**

Relative: ENVIROSTOR:
Higher

Actual:
2587 ft.

Name:	PRECISION STAMPING, INC.
Address:	246 W. 5TH ST.
City,State,Zip:	RIVERSIDE, CA 92223
Facility ID:	71004112
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	60
Senate:	31
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.87663
Longitude:	-117.5679
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAL000312071
Alias Type:	EPA Identification Number
Alias Name:	71004112
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported

PRECISION STAMPING, INC. (Continued) **S110494180**

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

H36 **BEAUMONT POLICE DEPARTMENT** **LUST** **S102425131**
NE **500 GRACE AVE** **Cortese** **N/A**
1/4-1/2 **BEAUMONT, CA 92223** **HIST CORTESE**
0.365 mi. **CERS**
1927 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
2587 ft.

LUST REG 8:

Name:	BEAUMONT POLICE DEPARTMENT
Address:	500 GRACE AVE
City:	BEAUMONT
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083300116T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Unleaded Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	6TH
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500017
How Stopped Date:	6/25/1986
Enter Date:	12/31/1986
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/30/1986
Enforcement Date:	Not reported
Close Date:	1/26/1987
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:	12/31/1986
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9285093
Longitude:	-116.9820523

BEAUMONT POLICE DEPARTMENT (Continued) **S102425131**

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:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

LUST:

Name:	BEAUMONT POLICE DEPARTMENT
Address:	500 GRACE AVE
City,State,Zip:	BEAUMONT, CA 92223
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500017
Global Id:	T0606500017
Latitude:	33.928693
Longitude:	-116.9821231
Status:	Completed - Case Closed
Status Date:	01/26/1987
Case Worker:	Not reported
RB Case Number:	083300116T
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0606500017
Action Type:	ENFORCEMENT
Date:	01/26/1987
Action:	Closure/No Further Action Letter

Global Id:	T0606500017
Action Type:	ENFORCEMENT
Date:	07/31/1986
Action:	Unauthorized Release Form

Global Id:	T0606500017
Action Type:	Other
Date:	06/30/1986
Action:	Leak Discovery

Global Id:	T0606500017
Action Type:	Other

BEAUMONT POLICE DEPARTMENT (Continued) **S102425131**

Date: 06/25/1986
Action: Leak Stopped

Global Id: T0606500017
Action Type: Other
Date: 07/31/1986
Action: Leak Reported

LUST:
Global Id: T0606500017
Status: Open - Case Begin Date
Status Date: 06/25/1986

Global Id: T0606500017
Status: Completed - Case Closed
Status Date: 01/26/1987

CORTESE:
Name: BEAUMONT POLICE DEPARTMENT
Address: 500 GRACE AVE
City,State,Zip: BEAUMONT, CA 92223
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0606500017
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: BEAUMONT POLICE DEPARTMENT
edr_fadd1: 500 GRACE
City,State,Zip: BEAUMONT, CA 92223
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083300116T

CERS:
Name: BEAUMONT POLICE DEPARTMENT

BEAUMONT POLICE DEPARTMENT (Continued) **S102425131**

Address:	500 GRACE AVE
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	258351
CERS ID:	T0606500017
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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I37 **SOUTHWEST MOTORS** **LUST** **S109284843**
NNE **449 W W SIXTH ST** **Cortese** **N/A**
1/4-1/2 **BEAUMONT, CA 92223** **CERS**
0.390 mi.
2058 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
2580 ft.

LUST:

Name:	SOUTHWEST MOTORS
Address:	449 W W SIXTH ST
City,State,Zip:	BEAUMONT, CA 92223
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500287
Global Id:	T0606500287
Latitude:	33.9305395273722
Longitude:	-116.984032478504
Status:	Completed - Case Closed
Status Date:	11/09/1993
Case Worker:	RIV
RB Case Number:	083302113T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	93058
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0606500287
Contact Type:	Regional Board Caseworker
Contact Name:	CARL BERNHARDT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	carl.bernhardt@waterboards.ca.gov
Phone Number:	9517824495

Global Id:	T0606500287
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:	T0606500287
Action Type:	ENFORCEMENT
Date:	11/09/1993
Action:	Closure/No Further Action Letter

SOUTHWEST MOTORS (Continued) **S109284843**

Global Id: T0606500287
Action Type: ENFORCEMENT
Date: 03/08/2009
Action: File review - #RCDEH Upload Site File 10/21/2015

Global Id: T0606500287
Action Type: ENFORCEMENT
Date: 03/09/2009
Action: Closure/No Further Action Letter - #Site Closure

Global Id: T0606500287
Action Type: Other
Date: 08/05/1992
Action: Leak Discovery

Global Id: T0606500287
Action Type: Other
Date: 08/21/1992
Action: Leak Reported

LUST:
Global Id: T0606500287
Status: Open - Case Begin Date
Status Date: 08/05/1992

Global Id: T0606500287
Status: Open - Site Assessment
Status Date: 09/28/1992

Global Id: T0606500287
Status: Open - Site Assessment
Status Date: 02/05/1993

Global Id: T0606500287
Status: Completed - Case Closed
Status Date: 11/09/1993

CORTESE:
Name: SOUTHWEST MOTORS
Address: 449 W W SIXTH ST
City,State,Zip: BEAUMONT, CA 92223
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0606500287
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

SOUTHWEST MOTORS (Continued) **S109284843**

Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: SOUTHWEST MOTORS
Address: 449 W W SIXTH ST
City,State,Zip: BEAUMONT, CA 92223
Site ID: 259810
CERS ID: T0606500287
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

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - 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: 9517824495

I38 **SOUTHWEST MOTORS** **LUST** **S103820929**
NNE **449 W SIXTH ST** **N/A**
1/4-1/2 **BEAUMONT, CA**
0.399 mi.
2107 ft. **Site 2 of 2 in cluster I**

Relative:
Higher

Actual:
2581 ft.

RIVERSIDE CO. LUST:
Name: SOUTHWEST MOTORS
Address: 449 W SIXTH ST
City,State,Zip: BEAUMONT, CA
Region: RIVERSIDE
Facility ID: 93058
Employee: Brown
Site Closed: Yes
Case Type: Undefined
Facility Status: closed/action completed
Casetype Decode: Undefined
Fstatus Decode: Closed/Action completed

J39 **BEAUMONT MAINTENANCE YARD** **LUST** **S105034778**
NE **550 CALIFORNIA AVE** **Cortese** **N/A**
1/4-1/2 **BEAUMONT, CA 92223**
0.401 mi.
2117 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
2593 ft.

LUST REG 8:

Name:	BEAUMONT MAINTENANCE YARD
Address:	550 CALIFORNIA AVE
City:	BEAUMONT
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083300115T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Unleaded Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	6TH
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	Other Cause
Leak Source:	UNK
Global ID:	T0606500016
How Stopped Date:	6/25/1986
Enter Date:	6/10/1987
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/30/1986
Enforcement Date:	Not reported
Close Date:	7/11/1988
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	8/4/1986
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	6/10/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9288013
Longitude:	-116.9812463
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:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency

BEAUMONT MAINTENANCE YARD (Continued) **S105034778**

Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary: Not reported	

CORTESE:

Name:	BEAUMONT MAINTENANCE YARD
Address:	550 CALIFORNIA AVE
City,State,Zip:	BEAUMONT, CA 92223
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0606500016
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

J40 **CITY OF BEAUMONT MAINTENANCE D** **LUST** **U001573573**
NE **550 CALIFORNIA** **CERS HAZ WASTE** **N/A**
1/4-1/2 **BEAUMONT, CA 92223** **HIST UST**
0.401 mi. **HAZNET**
2117 ft. **Site 2 of 2 in cluster J** **HIST CORTESE**
WDS
Relative: Higher **CIWQS**
CERS
Actual: 2593 ft. **HWTS**

LUST:

Name:	BEAUMONT MAINTENANCE YARD
Address:	550 CALIFORNIA AVE
City,State,Zip:	BEAUMONT, CA 92223
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500016
Global Id:	T0606500016
Latitude:	33.9288013
Longitude:	-116.9812463
Status:	Completed - Case Closed
Status Date:	07/11/1988
Case Worker:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

RB Case Number: 083300115T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500016
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: T0606500016
Action Type: ENFORCEMENT
Date: 07/11/1988
Action: Closure/No Further Action Letter

Global Id: T0606500016
Action Type: ENFORCEMENT
Date: 07/31/1986
Action: Unauthorized Release Form

Global Id: T0606500016
Action Type: Other
Date: 06/30/1986
Action: Leak Discovery

Global Id: T0606500016
Action Type: Other
Date: 06/25/1986
Action: Leak Stopped

Global Id: T0606500016
Action Type: Other
Date: 07/31/1986
Action: Leak Reported

LUST:
Global Id: T0606500016
Status: Open - Case Begin Date
Status Date: 06/25/1986

Global Id: T0606500016
Status: Open - Site Assessment
Status Date: 08/04/1986

Global Id: T0606500016
Status: Completed - Case Closed
Status Date: 07/11/1988

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

CERS HAZ WASTE:
Name: CITY OF BEAUMONT TRANSIT DEPT
Address: 550 N CALIFORNIA AVE
City,State,Zip: BEAUMONT, CA 92223
Site ID: 105884
CERS ID: 10316809
CERS Description: Hazardous Waste Generator

HIST UST:
Name: CITY OF BEAUMONT MAINTENANCE D
Address: 550 CALIFORNIA
City,State,Zip: BEAUMONT, CA 92223
File Number: 0001F51B
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F51B.pdf
Region: STATE
Facility ID: 00000038734
Facility Type: Other
Other Type: CITY
Contact Name: JOHN D. SWODA
Telephone: 7148451171
Owner Name: CITY OF BEAUMONT
Owner Address: 550 EAST 6TH STREET, P.O. BOX
Owner City,St,Zip: BEAUMONT, CA 92223
Total Tanks: 0003

Tank Num: 001
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000250
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000075
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

HAZNET:
Name: CITY OF BEAUMONT TRANSIT/VEHICLE MAINTENANCE DEPT

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Address:	550 N CALIFORNIA AVE
Address 2:	Not reported
City,State,Zip:	BEAUMONT, CA 92233
Contact:	DANIEL CARATACHEA
Telephone:	9517698533
Mailing Name:	Not reported
Mailing Address:	550 E 6TH ST
Year:	2019
Gepaid:	CAD982317166
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.12500
Year:	2017
Gepaid:	CAD982317166
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.125
Year:	2016
Gepaid:	CAD982317166
TSD EPA ID:	AZD081705402
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:	1.122
Year:	2016
Gepaid:	CAD982317166
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.15
Year:	2005
Gepaid:	CAD982317166
TSD EPA ID:	CAD980884183
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.125
Year:	2004
Gepaid:	CAD982317166
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.0882
Year:	2003
Gepaid:	CAD982317166
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Disposal Method:	H01 - Transfer Station
Tons:	0.2394
Year:	2002
Gepaid:	CAD982317166
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.1302
Year:	2001
Gepaid:	CAD982317166
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.1428
Year:	2000
Gepaid:	CAD982317166
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.2478

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:

Year:	2000
Gen EPA ID:	CAD982317166
Shipment Date:	20000929
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000929
Manifest ID:	20037138
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.105
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Additional Code 5:	Not reported
Shipment Date:	20000706
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000706
Manifest ID:	20182745
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0756
Waste Quantity:	18
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:	20000104
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20010104
Manifest ID:	20380990
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD982317166
Shipment Date:	20031126
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031126

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Manifest ID:	23305806
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031023
Creation Date:	8/3/2004 15:01:39
Receipt Date:	20031023
Manifest ID:	22525419
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
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:	20030911
Creation Date:	8/2/2004 9:36:58
Receipt Date:	20030911
Manifest ID:	22887692
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030702
Creation Date:	7/22/2004 7:51:02
Receipt Date:	20030702
Manifest ID:	22877190
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
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:	20030310
Creation Date:	5/20/2003 18:32:06
Receipt Date:	20030310
Manifest ID:	22437627
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030114
Creation Date:	3/29/2003 18:31:12
Receipt Date:	20030114
Manifest ID:	22279590
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD982317166
Shipment Date:	20020515
Creation Date:	7/29/2002 18:43:18
Receipt Date:	20020515
Manifest ID:	21588162
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020214
Creation Date:	7/25/2002 18:31:24

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Receipt Date:	20020214
Manifest ID:	21492724
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0672
Waste Quantity:	16
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:	2004
Gen EPA ID:	CAD982317166
Shipment Date:	20040525
Creation Date:	10/15/2004 10:47:43
Receipt Date:	20040526
Manifest ID:	23501572
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
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:	20040505
Creation Date:	10/14/2004 15:19:37
Receipt Date:	20040505
Manifest ID:	23464416
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0714
Waste Quantity:	17
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:	2005
Gen EPA ID:	CAD982317166
Shipment Date:	20050829
Creation Date:	4/13/2006 18:47:49
Receipt Date:	20050908
Manifest ID:	22773987
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:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF Alt EPA ID:	CAD980884183
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD982317166
Shipment Date:	20011129
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011129
Manifest ID:	21323212
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010322
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010323
Manifest ID:	20620130
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0588
Waste Quantity:	14
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:	2017
Gen EPA ID:	CAD982317166

Shipment Date:	20170803
Creation Date:	6/20/2018 18:31:06
Receipt Date:	20170803
Manifest ID:	017482455JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
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

HIST CORTESE:

edr_fname:	BEAUMONT MAINTENANCE YARD
edr_fadd1:	550 CALIFORNIA
City,State,Zip:	BEAUMONT, CA 92223
Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083300115T

WDS:

Name:	BEAUMONT CITY FLEET MAINT
Address:	550 N California Ave
City:	BEAUMONT
Facility ID:	Santa Ana River 33I018113
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:	9097698520
Facility Contact:	Michael A Pistilli
Agency Name:	BEAUMONT CITY OF
Agency Address:	550 E. 6TH STREET
Agency City,St,Zip:	BEAUMONT 92223
Agency Contact:	ROGER VESELY
Agency Telephone:	9517698534
Agency Type:	City
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

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

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.

CIWQS:
Name: BEAUMONT CITY FLEET MAINT
Address: 550 N CALIFORNIA AVE
City,State,Zip: BEAUMONT, CA 92223
Agency: Beaumont City
Agency Address: 550 6th, Beaumont, CA 92223
Place/Project Type: Industrial - Local and Suburban Transit
SIC/NAICS: 4111
Region: 8
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 33I018113
NPDES Number: CAS000001
Adoption Date: 01/01/1900
Effective Date: 04/30/2003
Termination Date: 08/14/2007
Expiration/Review Date: 01/01/1900
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: 33.92876
Longitude: -116.98135

CERS:
Name: CITY OF BEAUMONT TRANSIT DEPT
Address: 550 N CALIFORNIA AVE
City,State,Zip: BEAUMONT, CA 92223
Site ID: 105884
CERS ID: 10316809
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 105884
Site Name: City Of Beaumont Transit Dept
Violation Date: 06-25-2019
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

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 07/08/2019. OBSERVATION: Observed liquid and debris in secondary containment below waste drums/containers. CORRECTIVE ACTION: Owner/operator shall remove liquid and debris in secondary containment below waste drums/containers, and manage according to Title 22 hazardous waste regulations. Pictures can be sent to rsgarcia@rivco.org or 951-791-1778.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	105884
Site Name:	City Of Beaumont Transit Dept
Violation Date:	06-25-2019
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 records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/24/2019. OBSERVATION: No training records observed/provided during inspection. CORRECTIVE ACTION: Owner/operator shall provide training to all employees including familiarizing employees with Hazardous Materials Business Plan [HMBP]. Owner/operator shall obtain and go over current Safety Data Sheets for hazardous materials on site with employees. Documentation shall be retained and be made available for inspection for a minimum period of 3 years from the date of the training. Copies of training records can be sent to rsgarcia@rivco.org or 951-791-1778.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-07-2016
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:	06-07-2016
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

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Eval Date:	06-25-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Riverside County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-25-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Copy of HMBP provided while on site.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	105884
Facility Name:	City Of Beaumont Transit Dept
Env Int Type Code:	HWG
Program ID:	10316809
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.928820
Longitude:	-116.981340

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	City Of Beaumont
Entity Title:	Not reported
Affiliation Address:	550 E 6th St
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92223
Affiliation Phone:	(951) 769-8520
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:	Document Preparer
Entity Name:	Daniel Caratachea
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Daniel Caratachea
Entity Title:	Not reported
Affiliation Address:	550 e. 6th street
Affiliation City:	beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	City Of Beaumont
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) 769-8533
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	550 E 6th St
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Daniel Caratachea
Entity Title:	Maintanace Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	City Of Beaumont Transit Dept
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	BEAUMONT MAINTENANCE YARD
Address:	550 CALIFORNIA AVE
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	238458

CITY OF BEAUMONT MAINTENANCE D (Continued) **U001573573**

CERS ID: T0606500016
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

HWTS:
Name: CITY OF BEAUMONT TRANSIT/VEHICLE MAINTENANCE DEPT
Address: 550 N CALIFORNIA AVE
Address 2: Not reported
City,State,Zip: BEAUMONT, CA 92233
EPA ID: CAD982317166
Inactive Date: Not reported
Create Date: 06/17/1988
Last Act Date: 07/20/2020
Mailing Name: Not reported
Mailing Address: 550 E 6TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: BEAUMONT, CA 92233
Owner Name: CITY OF BEAUMONT
Owner Address: 550 E 6TH ST
Owner Address 2: Not reported
Owner City,State,Zip: BEAUMONT, CA 922230000
Contact Name: DANIEL CARATACHEA
Contact Address: 550 N CALIFORNIA AVE
Contact Address 2: Not reported
City,State,Zip: BEAUMONT, CA 92223

NAICS:
EPA ID: CAD982317166
Create Date: 2004-10-20 10:23:57.043
NAICS Code: 48849
NAICS Description: Other Support Activities for Road Transportation
Issued EPA ID Date: 1988-06-17 00:00:00
Inactive Date: Not reported
Facility Name: CITY OF BEAUMONT TRANSIT/VEHICLE MAINTENANCE DEPT
Facility Address: 550 N CALIFORNIA AVE
Facility Address 2: Not reported
Facility City: BEAUMONT
Facility County: Not reported
Facility State: CA
Facility Zip: 92233

41
NNE
1/4-1/2
0.444 mi.
2346 ft.

THRIFTY OIL #349/ ARCO #9719
401 6TH ST
BEAUMONT, CA 92223

LUST **S103943657**
N/A

Relative:
Higher

Actual:
2575 ft.

LUST REG 8:

Name:	THRIFTY OIL #349/ ARCO #9719
Address:	401 6TH ST
City:	BEAUMONT
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	083303293T
Local Case Num:	980428
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	BEAUMONT
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0606500547
How Stopped Date:	Not reported
Enter Date:	11/6/1998
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	1/1/1965
Discover Date:	12/29/1997
Enforcement Date:	Not reported
Close Date:	11/14/2003
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	11/6/1998
GW Qualifies:	Not reported
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9517257
Longitude:	-116.970595
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	1520
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	VJJ
Staff Initials:	UNK
Lead Agency:	Local Agency

THRIFTY OIL #349/ ARCO #9719 (Continued) **S103943657**

Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: SITE ASSESSMENT

42
ENE
1/2-1
0.608 mi.
3208 ft.

Relative:
Higher

Actual:
2609 ft.

UNOCAL #5546
502 BEAUMONT AVE
BEAUMONT, CA 92223

LUST **S100179374**
SWEEPS UST **N/A**
HIST UST
Cortese
HIST CORTESE
Notify 65
CERS

LUST REG 8:

Name:	UNOCAL #5546
Address:	502 BEAUMONT AVE
City:	BEAUMONT
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083301357T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	5TH
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Test
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500162
How Stopped Date:	11/27/1989
Enter Date:	12/6/1989
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	12/7/1989
Discover Date:	11/27/1989
Enforcement Date:	1/1/1965
Close Date:	1/3/1991
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:	12/6/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9277993

UNOCAL #5546 (Continued) **S100179374**

Longitude:	-116.9770751
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 #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

RIVERSIDE CO. LUST:

Name:	UNOCAL
Address:	502 BEAUMONT AVE
City,State,Zip:	BEAUMONT, CA
Region:	RIVERSIDE
Facility ID:	891082
Employee:	Whitehead
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

LUST:

Name:	UNOCAL #5546
Address:	502 BEAUMONT AVE
City,State,Zip:	BEAUMONT, CA 92223
Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500162
Global Id:	T0606500162
Latitude:	33.9280463697036
Longitude:	-116.976908803041
Status:	Completed - Case Closed
Status Date:	01/03/1991
Case Worker:	RIV
RB Case Number:	083301357T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	891082
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0606500162
Contact Type:	Local Agency Caseworker
Contact Name:	Riverside County LOP

UNOCAL #5546 (Continued) **S100179374**

Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: Not reported
Phone Number: 9519558980

LUST:
Global Id: T0606500162
Action Type: ENFORCEMENT
Date: 01/14/2009
Action: File review - #RCDEH Upload Site File 10/30/2015

Global Id: T0606500162
Action Type: Other
Date: 11/27/1989
Action: Leak Discovery

Global Id: T0606500162
Action Type: Other
Date: 11/27/1989
Action: Leak Stopped

Global Id: T0606500162
Action Type: Other
Date: 11/21/1989
Action: Leak Reported

Global Id: T0606500162
Action Type: ENFORCEMENT
Date: 01/15/2009
Action: Closure/No Further Action Letter - #Site Closure

Global Id: T0606500162
Action Type: ENFORCEMENT
Date: 01/03/1991
Action: Closure/No Further Action Letter

LUST:
Global Id: T0606500162
Status: Open - Case Begin Date
Status Date: 11/21/1989

Global Id: T0606500162
Status: Open - Site Assessment
Status Date: 12/07/1989

Global Id: T0606500162
Status: Completed - Case Closed
Status Date: 01/03/1991

SWEEPS UST:
Name: UNOCAL #5546
Address: 502 BEAUMONT AVE
City: BEAUMONT
Status: Active

UNOCAL #5546 (Continued) **S100179374**

Comp Number: 55242
Number: 1
Board Of Equalization: Not reported
Referral Date: 11-19-92
Action Date: 11-19-92
Created Date: 01-11-90
Owner Tank Id: 001081
SWRCB Tank Id: 33-000-055242-000001
Tank Status: A
Capacity: 15000
Active Date: 11-19-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: UNOCAL #5546
Address: 502 BEAUMONT AVE
City: BEAUMONT
Status: Active
Comp Number: 55242
Number: 1
Board Of Equalization: Not reported
Referral Date: 11-19-92
Action Date: 11-19-92
Created Date: 01-11-90
Owner Tank Id: 001081
SWRCB Tank Id: 33-000-055242-000002
Tank Status: A
Capacity: 15000
Active Date: 11-19-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNOCAL #5546
Address: 502 BEAUMONT AVE
City: BEAUMONT
Status: Active
Comp Number: 55242
Number: 1
Board Of Equalization: Not reported
Referral Date: 11-19-92
Action Date: 11-19-92
Created Date: 01-11-90
Owner Tank Id: 001081
SWRCB Tank Id: 33-000-055242-000003
Tank Status: A
Capacity: 10000
Active Date: 11-19-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: UNOCAL #5546

UNOCAL #5546 (Continued) **S100179374**

Address:	502 BEAUMONT AVE
City:	BEAUMONT
Status:	Active
Comp Number:	55242
Number:	1
Board Of Equalization:	Not reported
Referral Date:	11-19-92
Action Date:	11-19-92
Created Date:	01-11-90
Owner Tank Id:	001081
SWRCB Tank Id:	33-000-055242-000004
Tank Status:	A
Capacity:	520
Active Date:	11-19-92
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

HIST UST:

Name:	STATION 5546
Address:	502 BEAUMONT AVE
City,State,Zip:	BEALMONT, CA 92223
File Number:	0001FA75
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001FA75.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

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:

UNOCAL #5546 (Continued) **S100179374**

CORTESE:

Name:	UNOCAL #5546
Address:	502 BEAUMONT AVE
City,State,Zip:	BEAUMONT, CA 92223
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0606500162
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:	UNOCAL #5546
edr_fadd1:	502 BEAUMONT
City,State,Zip:	BEAUMONT, CA 92223
Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301357T

NOTIFY 65:

Name:	UNOCAL #546
Address:	502 BEAUMONT
City,State,Zip:	BEAUMONT, CA 92223-2233
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

CERS:

Name:	UNOCAL #5546
Address:	502 BEAUMONT AVE
City,State,Zip:	BEAUMONT, CA 92223
Site ID:	219744
CERS ID:	T0606500162

UNOCAL #5546 (Continued) **S100179374**

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

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43 **SO CAL GAS/BEAUMONT MGP** **ENVIROSTOR** **S105557614**
SSE **296 CALIFORNIA AVENUE** **VCP** **N/A**
1/2-1 **BEAUMONT, CA 92223** **CERS**
0.626 mi.
3306 ft.

Relative: Higher

Actual: 2604 ft.

ENVIROSTOR:
Name: SO CAL GAS/BEAUMONT MGP
Address: 296 CALIFORNIA AVENUE
City,State,Zip: BEAUMONT, CA 92223
Facility ID: 33490083
Status: Certified
Status Date: 12/21/2007
Site Code: 400878
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: .63
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Assembly: 42
Senate: 23
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.90403
Longitude: -116.9817
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas
Confirmed COC: Benzene Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas
Potential Description: SOIL
Alias Name: SO CAL GAS/BEAUMONT MGP
Alias Type: Alternate Name
Alias Name: SO. CALIF. GAS CO. BEAUMONT
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Alias Name: TOWN GAS PLANT - BEAUMONT
Alias Type: Alternate Name
Alias Name: TOWN GAS SITE BEAUMONT
Alias Type: Alternate Name
Alias Name: 110033609487
Alias Type: EPA (FRS #)
Alias Name: 400335
Alias Type: Project Code (Site Code)
Alias Name: 400878
Alias Type: Project Code (Site Code)
Alias Name: 33490083
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/14/2005
Comments: DTSC approved the Removal Action Completion Report for the Former Beaumont MGP site. Approximately 9712 cubic yards of soil were removed from the site and disposed off-site at a permitted facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/20/2003
Comments: Initial study was conducted. The NOD ended 30 days after 4/23/03. All CEQA documents were approved. RAW was approved by DTSC on 03/20/03. The contaminated soil will be excavated and disposed of at a proper site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/30/2006
Comments: On February 14, 2005, DTSC approved a final remedial action completion report for the site, but because of residual contamination under the street,a deed restriction was deemed necessary. Subsequently, the City excavated that area, including the contamination. Therefore, no deed restriction was necessary and the site was determined to have been remediated to unrestricted levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/16/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 03/20/2003

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/19/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 00/01-141) with SEMPRA Energy - Southern California Gas Company, Beaumont Manufactured Gas Plant (Proponent). The purpose of this Agreement is for the Proponent to conduct a Site Investigation (SI) to further characterize the existing soil contamination and, if necessary, to prepare a removal action workplan and implement a removal action under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/21/2006
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

VCP:
Name: SO CAL GAS/BEAUMONT MGP
Address: 296 CALIFORNIA AVENUE
City,State,Zip: BEAUMONT, CA 92223
Facility ID: 33490083
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: .63
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Site Code: 400878
Assembly: 42
Senate: 23
Special Programs Code: Voluntary Cleanup Program
Status: Certified

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Status Date:	12/21/2007
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.90403 / -116.9817
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	30003, 30019, 30024, 30025
Confirmed COC:	30003,30019,30024,30025
Potential Description:	SOIL
Alias Name:	SO CAL GAS/BEAUMONT MGP
Alias Type:	Alternate Name
Alias Name:	SO. CALIF. GAS CO. BEAUMONT
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	TOWN GAS PLANT - BEAUMONT
Alias Type:	Alternate Name
Alias Name:	TOWN GAS SITE BEAUMONT
Alias Type:	Alternate Name
Alias Name:	110033609487
Alias Type:	EPA (FRS #)
Alias Name:	400335
Alias Type:	Project Code (Site Code)
Alias Name:	400878
Alias Type:	Project Code (Site Code)
Alias Name:	33490083
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	02/14/2005
Comments:	DTSC approved the Removal Action Completion Report for the Former Beaumont MGP site. Approximately 9712 cubic yards of soil were removed from the site and disposed off-site at a permitted facility.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	03/20/2003
Comments:	Initial study was conducted. The NOD ended 30 days after 4/23/03. All CEQA documents were approved. RAW was approved by DTSC on 03/20/03. The contaminated soil will be excavated and disposed of at a proper site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/30/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	05/30/2006

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Comments: On February 14, 2005, DTSC approved a final remedial action completion report for the site, but because of residual contamination under the street,a deed restriction was deemed necessary. Subsequently, the City excavated that area, including the contamination. Therefore, no deed restriction was necessary and the site was determined to have been remediated to unrestricted levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/16/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 03/20/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/19/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 00/01-141) with SEMPRA Energy - Southern California Gas Company, Beaumont Manufactured Gas Plant (Proponent). The purpose of this Agreement is for the Proponent to conduct a Site Investigation (SI) to further characterize the existing soil contamination and, if necessary, to prepare a removal action workplan and implement a removal action under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/21/2006
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

CERS:
Name: A C PROPANE
Address: 296 CALIFORNIA AVE
City,State,Zip: BEAUMONT, CA 92223

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Site ID: 384014
CERS ID: 10321372
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 384014
Site Name: A C Propane
Violation Date: 11-07-2018
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 12/20/2018. 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: 384014
Site Name: A C Propane
Violation Date: 11-17-2015
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 03/23/2016. NFPA 704 signage posted
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384014
Site Name: A C Propane
Violation Date: 11-17-2015
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 03/23/2016. emergency equipment posted/service tested
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384014
Site Name: A C Propane
Violation Date: 08-09-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 08/30/2017.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Site ID: 384014
Site Name: A C Propane
Violation Date: 11-17-2015
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 03/23/2016. containers labeled properly
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384014
Site Name: A C Propane
Violation Date: 07-05-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 08/30/2017.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-10-2016
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-23-2016
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-05-2017
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-09-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-07-2018
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: 11-17-2015
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: 11-27-2018
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-20-2018
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: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 384014
Site Name: A C Propane
Site Address: 296 CALIFORNIA AVE
Site City: BEAUMONT
Site Zip: 92223
Enf Action Date: 11-17-2015
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

Coordinates:
Site ID: 384014

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Facility Name:	A C Propane
Env Int Type Code:	HMBP
Program ID:	10321372
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.915440
Longitude:	-116.981370

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:	Document Preparer
Entity Name:	Vandelina Castaldo
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 129
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	David Castaldo
Entity Title:	Not reported
Affiliation Address:	296 California Ave
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92223
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Vandelina Castaldo
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

SO CAL GAS/BEAUMONT MGP (Continued) **S105557614**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	David Castaldo
Entity Title:	Not reported
Affiliation Address:	296 California Ave
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92223
Affiliation Phone:	(951) 333-1465
Affiliation Type Desc:	Operator
Entity Name:	David Castaldo
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) 845-8800
Affiliation Type Desc:	Legal Owner
Entity Name:	David Castaldo
Entity Title:	Not reported
Affiliation Address:	PO Box 129
Affiliation City:	Beaumont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92223
Affiliation Phone:	(951) 845-8800
Affiliation Type Desc:	Parent Corporation
Entity Name:	A C Propane
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

44
North
1/2-1
0.627 mi.
3310 ft.

THREE RINGS RANCH ELEMENTARY SCHOOL
CLAYBOURNE STREET/WINDFIELD WAY
BEAUMONT, CA 92223

ENVIROSTOR SCH **S118756721 N/A**

Relative: Higher

Actual: 2580 ft.

ENVIROSTOR:

Name:	THREE RINGS RANCH ELEMENTARY SCHOOL
Address:	CLAYBOURNE STREET/WINDFIELD WAY
City,State,Zip:	BEAUMONT, CA 92223
Facility ID:	33020003
Status:	No Action Required
Status Date:	11/30/2000
Site Code:	404165
Site Type:	School Investigation

THREE RINGS RANCH ELEMENTARY SCHOOL (Continued) **S118756721**

Site Type Detailed: School
Acres: 10
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 42
Senate: 23
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.93452
Longitude: -116.9860
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - LIVESTOCK
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: BEAUMONT UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: BEAUMONT USD-3 RINGS RANCH ELEM SCH
Alias Type: Alternate Name
Alias Name: THREE RINGS RANCH ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 404165
Alias Type: Project Code (Site Code)
Alias Name: 33020003
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: 11/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/12/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/16/2000
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

THREE RINGS RANCH ELEMENTARY SCHOOL (Continued) **S118756721**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: THREE RINGS RANCH ELEMENTARY SCHOOL
Address: CLAYBOURNE STREET/WINDFIELD WAY
City,State,Zip: BEAUMONT, CA 92223
Facility ID: 33020003
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
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: 404165
Assembly: 42
Senate: 23
Special Program Status: Not reported
Status: No Action Required
Status Date: 11/30/2000
Restricted Use: NO
Funding: School District
Latitude: 33.93452
Longitude: -116.9860
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - LIVESTOCK
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: BEAUMONT UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: BEAUMONT USD-3 RINGS RANCH ELEM SCH
Alias Type: Alternate Name
Alias Name: THREE RINGS RANCH ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 404165
Alias Type: Project Code (Site Code)
Alias Name: 33020003
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: 11/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/12/2000

THREE RINGS RANCH ELEMENTARY SCHOOL (Continued) **S118756721**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	11/16/2000
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

---

45 ESE 1/2-1 0.787 mi. 4156 ft.

NOBLE CREEK ELEMENTARY SCHOOL NO. 2
BROOKSIDE AVENUE/NANCY STREET
BEAUMONT, CA 92223

ENVIROSTOR SCH **S118756707 N/A**

Relative: Higher

Actual: 2599 ft.

ENVIROSTOR:

Name:	NOBLE CREEK ELEMENTARY SCHOOL NO. 2
Address:	BROOKSIDE AVENUE/NANCY STREET
City,State,Zip:	BEAUMONT, CA 92223
Facility ID:	33010054
Status:	No Action Required
Status Date:	01/24/2001
Site Code:	404185
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	12
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	42
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.92049
Longitude:	-116.9736
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	BEAUMONT UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	BEAUMONT USD-NOBLE CREEK ELEM #2
Alias Type:	Alternate Name

NOBLE CREEK ELEMENTARY SCHOOL NO. 2 (Continued) **S118756707**

Alias Name: NOBLE CREEK ELEMENTARY SCHOOL (PROPOSED)
Alias Type: Alternate Name
Alias Name: 404185
Alias Type: Project Code (Site Code)
Alias Name: 33010054
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: 01/24/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/30/2001
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: NOBLE CREEK ELEMENTARY SCHOOL NO. 2
Address: BROOKSIDE AVENUE/NANCY STREET
City,State,Zip: BEAUMONT, CA 92223
Facility ID: 33010054
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: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404185
Assembly: 42
Senate: 23
Special Program Status: Not reported
Status: No Action Required
Status Date: 01/24/2001
Restricted Use: NO
Funding: School District
Latitude: 33.92049
Longitude: -116.9736

NOBLE CREEK ELEMENTARY SCHOOL NO. 2 (Continued) **S118756707**

APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	BEAUMONT UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	BEAUMONT USD-NOBLE CREEK ELEM #2
Alias Type:	Alternate Name
Alias Name:	NOBLE CREEK ELEMENTARY SCHOOL (PROPOSED)
Alias Type:	Alternate Name
Alias Name:	404185
Alias Type:	Project Code (Site Code)
Alias Name:	33010054
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:	01/24/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/30/2001
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

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BEAUMONT	S125423938	LES SCHWAB TIRE CENTER #585	1630 E 1ST ST	92223	CERS HAZ WASTE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly 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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/11/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/14/2021
Number of Days to Update: 65

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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

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

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

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

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

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

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

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

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

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

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

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

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

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

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

LUST REG 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: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

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

Date of Government Version: 12/02/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/23/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

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

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

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

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

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

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

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

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/11/2020
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 09/14/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

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

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

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

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

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

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

SCH: School Property Evaluation Program

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

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

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

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

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

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

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

Local Land Records

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

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
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: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/20/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

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

Other Ascertainable Records

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

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

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/29/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
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: 02/02/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/21/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 11/02/2020
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

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

Date of Government Version: 11/18/2016
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: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
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: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/30/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
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: 01/08/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
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: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

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: 02/18/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 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: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/16/2020
Date Data Arrived at EDR: 09/17/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

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

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 73
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 01/01/1989
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: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 74
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/25/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
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: 10/16/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/29/2021
Number of Days to Update: 77

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

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

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

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/05/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/07/2020
Next Scheduled EDR Contact: 03/29/2021
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: 02/01/2021
Date Data Arrived at EDR: 02/19/2021
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 3
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 02/18/2021
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PCS 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: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
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: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
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: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/22/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2020
Date Data Arrived at EDR: 11/19/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 77

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 71

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 84

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
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: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
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: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 11/16/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/28/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 79

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/21/2021
Number of Days to Update: 79

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 1

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/16/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/16/2021
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 82

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/20/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/05/2021
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 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: 02/26/2021
Next Scheduled EDR Contact: 05/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 12/03/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 09/18/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 08/11/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/02/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/01/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/20/2020
Next Scheduled EDR Contact: 04/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2021
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 02/03/2021
Number of Days to Update: 6

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SANBORN II
NOT REPORTED
BEAUMONT, CA 92223

TARGET PROPERTY COORDINATES

Latitude (North):	33.924372 - 33˚ 55’ 27.74’’
Longitude (West):	116.987606 - 116˚ 59’ 15.38’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	501145.6
UTM Y (Meters):	3753576.5
Elevation:	2563 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5629739 BEAUMONT, CA
Version Date:	2012
West Map:	5640934 EL CASCO, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

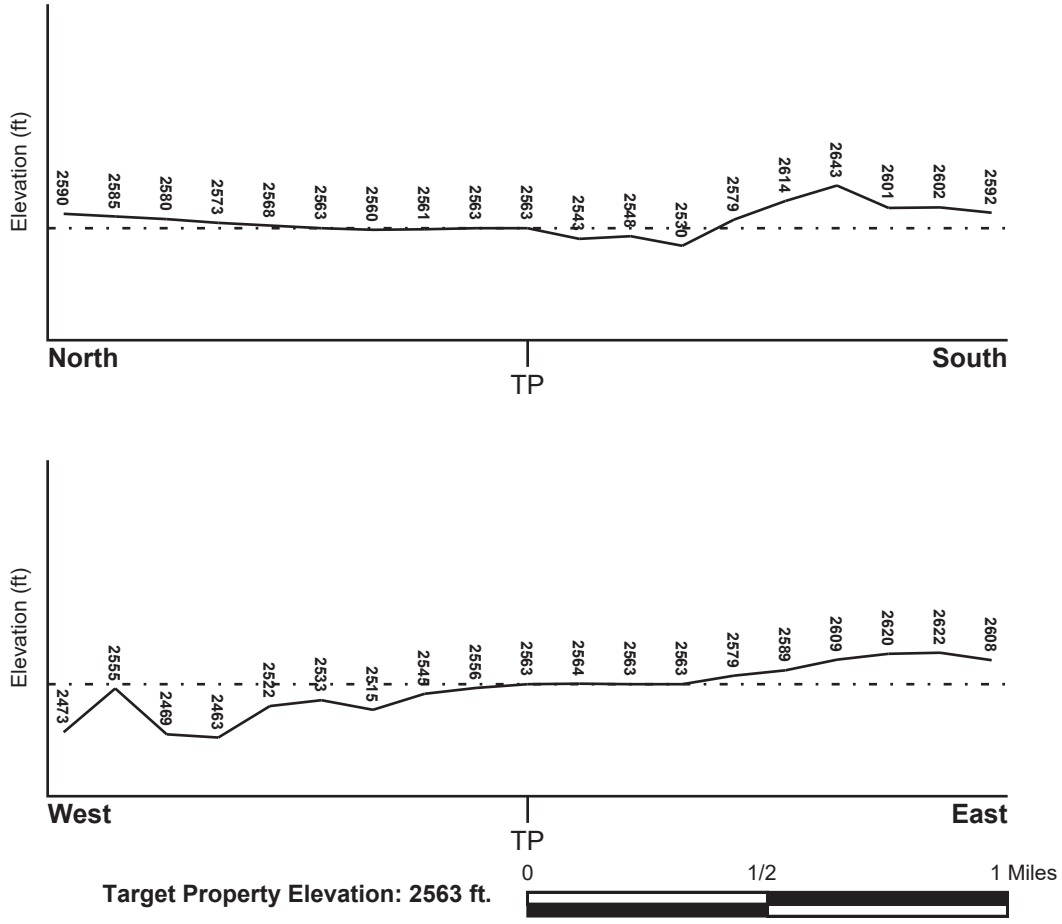
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

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
06065C0811G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C0803G	FEMA FIRM Flood data
06065C0795H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BEAUMONT	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

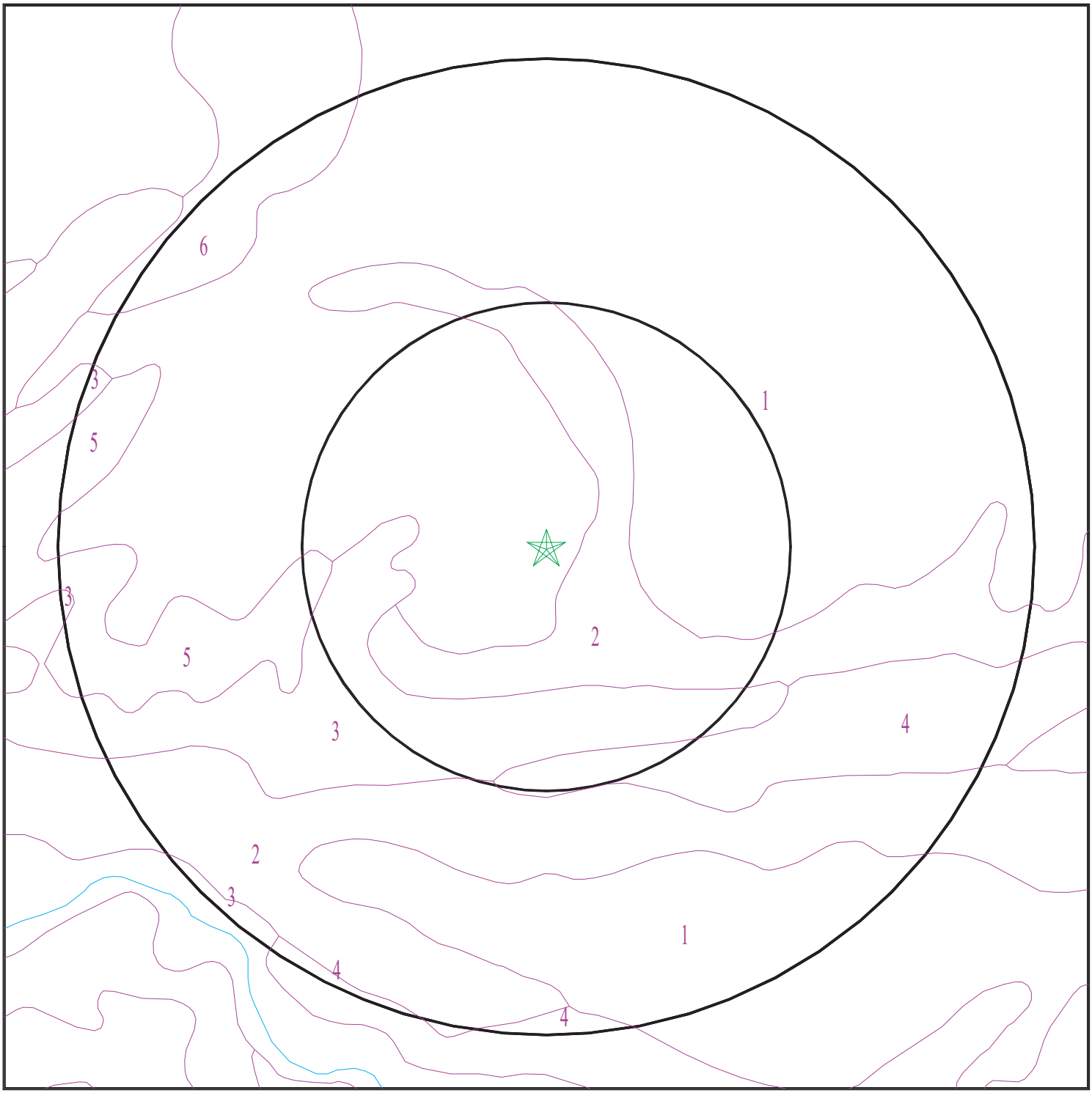
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6384807.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Sanborn II	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Not Reported Beaumont CA 92223	CONTACT:	Roy Zamarripa
LAT/LONG:	33.924372 / 116.987606	INQUIRY #:	6384807.2s
		DATE:	March 01, 2021 12:50 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: 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

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
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

Soil Map ID: 2

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	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

Soil Map ID: 3

Soil Component Name: Terrace escarpments

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:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

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	7 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	7 inches	16 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	16 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

Soil Map ID: 5

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

Soil Map ID: 6

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	7 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	7 inches	11 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	11 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
A1	USGS40000139023	1/8 - 1/4 Mile SSE
3	USGS40000139016	1/4 - 1/2 Mile SSE
B8	USGS40000139116	1/2 - 1 Mile NNW
B9	USGS40000139117	1/2 - 1 Mile NNW
D30	USGS40000139142	1/2 - 1 Mile North
E31	USGS40000138972	1/2 - 1 Mile SSE
D32	USGS40000139145	1/2 - 1 Mile North
H38	USGS40000138961	1/2 - 1 Mile SSE
I42	USGS40000138989	1/2 - 1 Mile ESE
I43	USGS40000138999	1/2 - 1 Mile ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
27	CA3301048	1/2 - 1 Mile ENE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

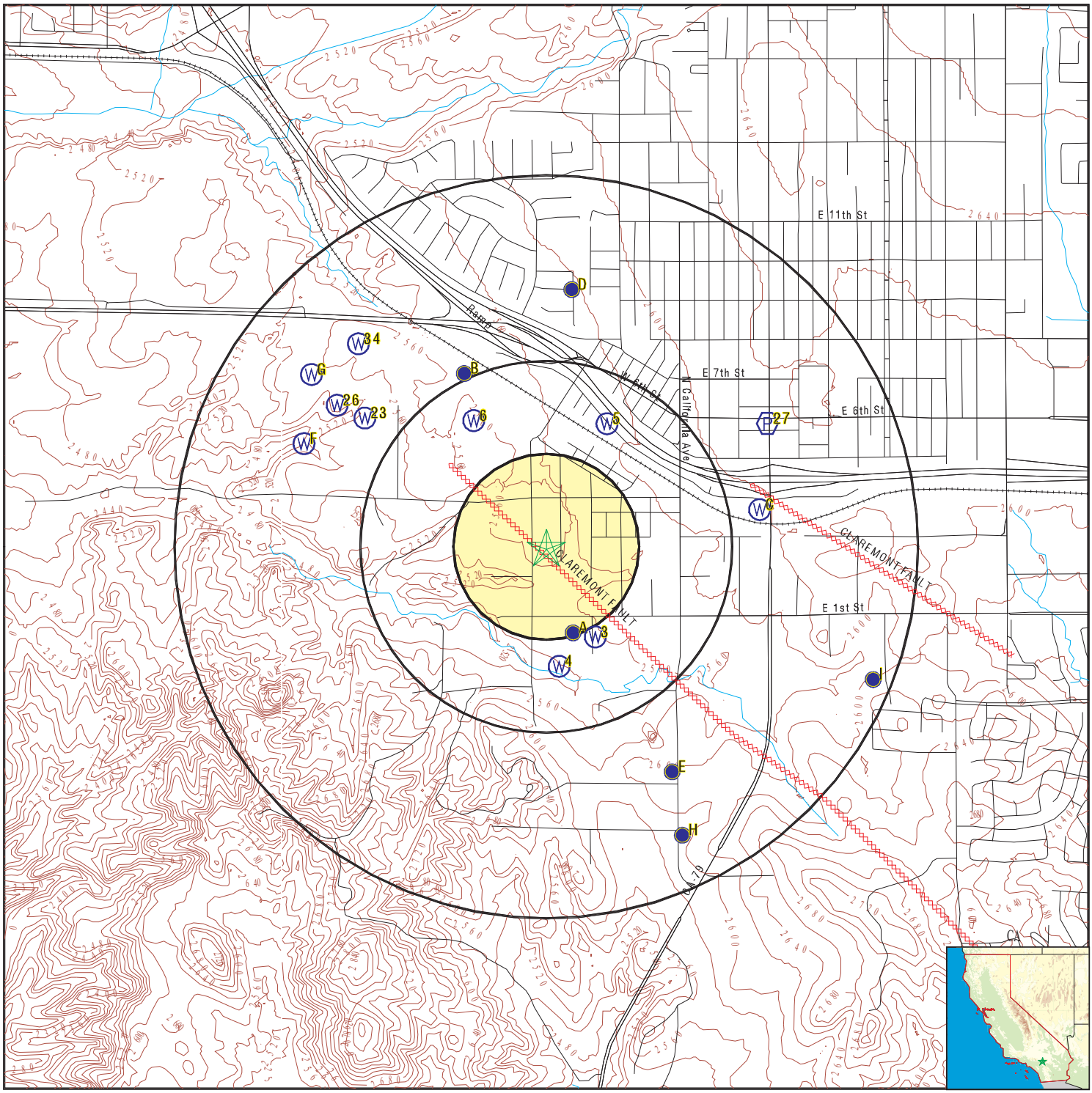
MAP ID	WELL ID	LOCATION FROM TP
A2	CADWR8000006102	1/4 - 1/2 Mile SSE
4	CADWR0000008727	1/4 - 1/2 Mile South
5	3463	1/4 - 1/2 Mile NNE
6	CADDW0000014267	1/4 - 1/2 Mile NNW
B7	CADWR8000006154	1/2 - 1 Mile NNW
B10	CADWR8000006153	1/2 - 1 Mile NNW
C11	CAEDF0000090753	1/2 - 1 Mile East
C12	CAEDF0000126485	1/2 - 1 Mile ENE
C13	CAEDF0000111395	1/2 - 1 Mile East
C14	CAEDF0000065559	1/2 - 1 Mile East
C15	CAEDF0000035460	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C16	CAEDF0000138596	1/2 - 1 Mile ENE
C17	CAEDF0000143559	1/2 - 1 Mile East
C18	CAEDF0000071752	1/2 - 1 Mile East
C19	CAEDF0000045929	1/2 - 1 Mile East
C20	CAEDF0000113415	1/2 - 1 Mile East
C21	CAEDF0000102408	1/2 - 1 Mile East
C22	CAEDF0000067554	1/2 - 1 Mile East
23	CAEDF0000070393	1/2 - 1 Mile NW
C24	CAEDF0000045563	1/2 - 1 Mile ENE
D25	CADWR0000010097	1/2 - 1 Mile North
26	CAEDF0000053333	1/2 - 1 Mile NW
E28	CADWR8000006083	1/2 - 1 Mile SSE
F29	CAEDF0000132670	1/2 - 1 Mile WNW
F33	CAEDF0000015556	1/2 - 1 Mile WNW
34	CADDW0000010162	1/2 - 1 Mile NW
G35	CADDW0000008907	1/2 - 1 Mile NW
G36	CADDW0000008786	1/2 - 1 Mile NW
H37	3468	1/2 - 1 Mile SSE
H39	CADWR8000006081	1/2 - 1 Mile SSE
I40	CADWR8000006093	1/2 - 1 Mile ESE
I41	CADWR8000006099	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 6384807.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Sanborn II	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	Not Reported Beaumont CA 92223	CONTACT:	Roy Zamarripa
LAT/LONG:	33.924372 / 116.987606	INQUIRY #:	6384807.2s
		DATE:	March 01, 2021 12:50 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SSE
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000139023**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W09Q001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	133.5	Well Depth Units:	ft
Well Hole Depth:	138	Well Hole Depth Units:	ft

A2
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR8000006102**

State Well #:	03S01W09R004S	Station ID:	29154
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	San Timoteo	Well Completion Rpt #:	Not Reported

3
SSE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000139016**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W09R004S	Type:	Well
Description:	ROCKWELL GPS FOR LAT/LONG., NAD27		
HUC:	18070203	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Other aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1998-11-12
Feet below surface:	85.9	Feet to sea level:	Not Reported
Note:	Not Reported		

4
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000008727**

Well ID:	03S01W09Q001S	Well Type:	UNK
Source:	Department of Water Resources		

Other Name:	03S01W09Q001S	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=03S01W09Q001S&store_num=		
GeoTracker Data:	Not Reported		

5
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **3463**

Seq:	3463	Prim sta c:	03S/01W-09D01 S
Frds no:	3301222001	County:	33
District:	63	User id:	33C
System no:	3301222	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335545.0	Longitude:	1165902.0
Precision:	3	Status:	AR
Comment 1:	38021 HIGHWAY 60, BEAUMONT	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3301222	System nam:	Dowling Fruit Orchard
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

6
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000014267**

Well ID:	3301222-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 2 IRIGATION(SOLDW/EASTPROP)		
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=3301222-002&store_num=		
GeoTracker Data:	Not Reported		

B7
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000006154**

State Well #:	03S01W09C004S	Station ID:	26104
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	San Timoteo	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B8
NNW
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000139116**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W09C002S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	1969	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	16	Level reading date:	2004-10-26
Feet below surface:	194.0	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-04-21	Feet below surface:	197.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-11-18	Feet below surface:	203.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-29	Feet below surface:	213.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-11-04	Feet below surface:	225.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-23	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	2001-11-06	Feet below surface:	219.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-05-15	Feet below surface:	210.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-24	Feet below surface:	225.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-26	Feet below surface:	210.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-28	Feet below surface:	224.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-27	Feet below surface:	209.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-11	Feet below surface:	220.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-06-10	Feet below surface:	219.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-10-13	Feet below surface:	241.3
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1991-11-01	Feet below surface:	226.3
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		

B9
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139117**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W09C004S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

B10
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000006153**

State Well #:	03S01W09C002S	Station ID:	4323
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	San Timoteo	Well Completion Rpt #:	Not Reported

C11
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000090753**

Well ID:	T0606500182-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-10		

C12
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126485**

Well ID:	T0606500182-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-11

C13
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000111395**

Well ID: T0606500182-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-6

C14
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065559**

Well ID: T0606500182-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-5

C15
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000035460**

Well ID: T0606500182-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-7

C16
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000138596**

Well ID: T0606500182-MW-13 Well Type: MONITORING
Source: EDF Other Name: MW-13
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-13&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-13

C17
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143559**

Well ID:	T0606500182-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-3		

C18
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071752**

Well ID:	T0606500182-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-8		

C19
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045929**

Well ID:	T0606500182-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-4		

C20
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000113415**

Well ID:	T0606500182-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C21
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000102408**

Well ID:	T0606500182-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-2		

C22
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067554**

Well ID:	T0606500182-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-9		

23
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070393**

Well ID:	L10001850822-OBMW-01	Well Type:	MONITORING
Source:	EDF	Other Name:	OBMW-01
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10001850822&assigned_name=OBMW-01&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10001850822&assigned_name=OBMW-01		

C24
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045563**

Well ID:	T0606500182-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500182&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500182&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D25
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000010097**

Well ID:	03S01W04Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S01W04Q001S	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=03S01W04Q001S&store_num=		
GeoTracker Data:	Not Reported		

26
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000053333**

Well ID:	L10001850822-OBMW-04	Well Type:	MONITORING
Source:	EDF	Other Name:	OBMW-04
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10001850822&assigned_name=OBMW-04&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10001850822&assigned_name=OBMW-04		

27
ENE
1/2 - 1 Mile
Higher

FRDS PWS **CA3301048**

Epa region:	09	State:	CA
Pwsid:	CA3301048	Pwsname:	BONITA VISTA MUTUAL WATER COMP
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06065
Status:	Closed	Retpopsrvd:	180
Pwssvcconn:	72	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	Not Reported	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	DAVE CRAWFORD
Contactaddress2:	9071 RANCHO DRIVE	Contactcity:	CHERRY VALLEY
Contactstate:	CA	Contactzip:	92223
Pwsactivitycode:	I		

PWS ID:	CA3301048	PWS name:	BONITA VISTA MUTUAL WATER COMPANY
Address:	Not Reported	Care of:	Not Reported
City:	CHERRY VALLEY	State:	CA
Zip:	92223	Owner:	BONITA VISTA MUTUAL WATER COMPANY
Source code:	Ground water	Population:	180

PWS ID:	CA3301048	PWS type:	System Owner/Responsible Party
PWS name:	BONITA VISTA	PWS address:	Not Reported
PWS city:	CHERRY VALLEY	PWS state:	CA
PWS zip:	92223	County:	Not Reported
Source:	Ground water	Treatment Objective:	DISINFECTION
Process:	HYPOCHLORINATION, POST	Population:	180

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS ID:	CA3301048	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00000150	System name:	BONITA VISTA
System address:	BONITA VISTA	System address:	9509 OAK GLEN RD
System city:	CHERRY VALLEY	System state:	CA
System zip:	92223		
Population served:	101 - 500 Persons	Treatment:	Untreated
Latitude:	335545	Longitude:	1165835
Violation id:	0200001	Orig code:	S
State:	CA	Violation Year:	2001
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	11/14/2001
Cmp edt:	Not Reported		
Violation id:	0200002	Orig code:	S
State:	CA	Violation Year:	2001
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	11/14/2001
Cmp edt:	Not Reported		
Violation id:	0200003	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2002
Cmp edt:	05/01/2002		
Violation id:	0200004	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	08/01/2002
Cmp edt:	09/01/2002		
Violation id:	0300001	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2002
Cmp edt:	11/01/2002		
Violation id:	0300005	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported

State mcl: Not Reported
Cmp bdt: 10/01/2002
Cmp edt: 11/01/2002

Violation id: 0400001
Orig code: S
State: CA
Violation Year: 2003
Contamination code: 3100
Contamination Name: Coliform (TCR)
Violation code: 23
Violation name: Monitoring, Routine Major (TCR)
Rule code: 110
Rule name: TCR
Violation measur: Not Reported
Unit of measure: Not Reported
State mcl: Not Reported
Cmp bdt: 10/01/2003
Cmp edt: 10/31/2003

Violation id: 0400006
Orig code: S
State: CA
Violation Year: 2003
Contamination code: 3100
Contamination Name: Coliform (TCR)
Violation code: 23
Violation name: Monitoring, Routine Major (TCR)
Rule code: 110
Rule name: TCR
Violation measur: Not Reported
Unit of measure: Not Reported
State mcl: Not Reported
Cmp bdt: 10/01/2003
Cmp edt: 10/31/2003

Violation id: 95V0001
Orig code: F
State: CA
Violation Year: 1993
Contamination code: 5000
Contamination Name: Lead and Copper Rule
Violation code: 51
Violation name: Initial Tap Sampling for Pb and Cu
Rule code: 350
Rule name: LCR
Violation measur: 0
Unit of measure: Not Reported
State mcl: 0
Cmp bdt: 07/01/1993
Cmp edt: 12/01/2003

Violation ID: 0200001
Orig Code: S
Enforcemnt FY: 2002
Enforcement Action: 11/14/2001
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 0200001
Orig Code: S
Enforcemnt FY: 2002
Enforcement Action: 05/17/2002
Enforcement Detail: St Formal NOV issued
Enforcement Category: Informal

Violation ID: 0200002
Orig Code: S
Enforcemnt FY: 2002
Enforcement Action: 05/17/2002
Enforcement Detail: St Formal NOV issued
Enforcement Category: Informal

Violation ID: 0200002
Orig Code: S
Enforcemnt FY: 2002
Enforcement Action: 11/14/2001
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 0200002
Orig Code: S
Enforcemnt FY: 2002
Enforcement Action: 09/17/2002
Enforcement Detail: St Formal NOV issued
Enforcement Category: Informal

Violation ID: 0200003
Orig Code: S
Enforcemnt FY: 2002
Enforcement Action: 09/17/2002
Enforcement Detail: St Formal NOV issued
Enforcement Category: Informal

Violation ID: 0200003
Orig Code: S
Enforcemnt FY: 2002
Enforcement Action: 11/14/2001
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 0200003
Orig Code: S

Enforcemnt FY:	2002	Enforcement Action:	05/17/2002
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	0300001	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	11/14/2002
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	0400001	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	11/21/2003
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal

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E28
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006083**

State Well #:	03S01W15D005S	Station ID:	29156
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	San Timoteo	Well Completion Rpt #:	Not Reported

F29
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000132670**

Well ID:	L10001850822-OBMW-03	Well Type:	MONITORING
Source:	EDF	Other Name:	OBMW-03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10001850822&assigned_name=OBMW-03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10001850822&assigned_name=OBMW-03		

D30
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000139142**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W04Q002S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19530805	Well Depth:	819
Well Depth Units:	ft	Well Hole Depth:	819
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	35	Level reading date:	1969-03-28
Feet below surface:	Not Reported	Feet to sea level:	2252
Note:	Not Reported		
Level reading date:	1968-11-22	Feet below surface:	Not Reported

Feet to sea level:	2245	Note:	Not Reported
Level reading date:	1968-02-09	Feet below surface:	Not Reported
Feet to sea level:	2251	Note:	Not Reported
Level reading date:	1967-07-28	Feet below surface:	Not Reported
Feet to sea level:	2249	Note:	Not Reported
Level reading date:	1967-05-12	Feet below surface:	Not Reported
Feet to sea level:	2255	Note:	Not Reported
Level reading date:	1966-08-26	Feet below surface:	Not Reported
Feet to sea level:	2252	Note:	Not Reported
Level reading date:	1966-05-06	Feet below surface:	Not Reported
Feet to sea level:	2255	Note:	Not Reported
Level reading date:	1966-01-07	Feet below surface:	Not Reported
Feet to sea level:	2255	Note:	Not Reported
Level reading date:	1965-09-17	Feet below surface:	Not Reported
Feet to sea level:	2255	Note:	Not Reported
Level reading date:	1964-12-11	Feet below surface:	Not Reported
Feet to sea level:	2248	Note:	Not Reported
Level reading date:	1964-08-21	Feet below surface:	Not Reported
Feet to sea level:	2256	Note:	Not Reported
Level reading date:	1964-05-29	Feet below surface:	Not Reported
Feet to sea level:	2256	Note:	Not Reported
Level reading date:	1964-04-07	Feet below surface:	Not Reported
Feet to sea level:	2262	Note:	Not Reported
Level reading date:	1964-02-06	Feet below surface:	Not Reported
Feet to sea level:	2256	Note:	Not Reported
Level reading date:	1963-12-06	Feet below surface:	Not Reported
Feet to sea level:	2260	Note:	Not Reported
Level reading date:	1963-09-27	Feet below surface:	Not Reported
Feet to sea level:	2255	Note:	Not Reported
Level reading date:	1963-06-07	Feet below surface:	Not Reported
Feet to sea level:	2263	Note:	Not Reported
Level reading date:	1963-01-24	Feet below surface:	Not Reported
Feet to sea level:	2263	Note:	Not Reported
Level reading date:	1962-11-30	Feet below surface:	Not Reported
Feet to sea level:	2260	Note:	Not Reported
Level reading date:	1962-09-28	Feet below surface:	Not Reported
Feet to sea level:	2258	Note:	Not Reported
Level reading date:	1962-09-07	Feet below surface:	Not Reported
Feet to sea level:	2258	Note:	Not Reported
Level reading date:	1962-08-03	Feet below surface:	Not Reported
Feet to sea level:	2258	Note:	Not Reported

Level reading date:	1962-05-25	Feet below surface:	Not Reported
Feet to sea level:	2265	Note:	Not Reported
Level reading date:	1962-04-06	Feet below surface:	Not Reported
Feet to sea level:	2268	Note:	Not Reported
Level reading date:	1962-02-26	Feet below surface:	Not Reported
Feet to sea level:	2257	Note:	Not Reported
Level reading date:	1961-10-13	Feet below surface:	Not Reported
Feet to sea level:	2261	Note:	Not Reported
Level reading date:	1960-08-11	Feet below surface:	Not Reported
Feet to sea level:	2264	Note:	Not Reported
Level reading date:	1960-02-05	Feet below surface:	Not Reported
Feet to sea level:	2272	Note:	Not Reported
Level reading date:	1958-06-11	Feet below surface:	Not Reported
Feet to sea level:	2274	Note:	Not Reported
Level reading date:	1958-04-15	Feet below surface:	Not Reported
Feet to sea level:	2282	Note:	Not Reported
Level reading date:	1958-04-11	Feet below surface:	Not Reported
Feet to sea level:	2280	Note:	Not Reported
Level reading date:	1958-02-07	Feet below surface:	Not Reported
Feet to sea level:	2280	Note:	Not Reported
Level reading date:	1957-02-15	Feet below surface:	Not Reported
Feet to sea level:	2281	Note:	Not Reported
Level reading date:	1956-08-15	Feet below surface:	Not Reported
Feet to sea level:	2278	Note:	Not Reported
Level reading date:	1954-09-22	Feet below surface:	Not Reported
Feet to sea level:	2281	Note:	Not Reported

E31
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138972**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W15D005S	Type:	Well
Description:	ROCKWELL GPS FOR LAT/LONG., NAD27		
HUC:	18070203	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Other aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	12	Level reading date:	2004-04-21
Feet below surface:	150.3	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2003-11-20	Feet below surface:	151.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-29	Feet below surface:	150.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-11-04	Feet below surface:	151.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-23	Feet below surface:	151.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-06	Feet below surface:	152.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-05-15	Feet below surface:	151.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-24	Feet below surface:	153.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-26	Feet below surface:	153.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-28	Feet below surface:	155.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-11	Feet below surface:	156.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-06-10	Feet below surface:	157.35
Feet to sea level:	Not Reported	Note:	Not Reported

D32
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000139145**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W04Q001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19270101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	53	Level reading date:	1955-08-03
Feet below surface:	Not Reported	Feet to sea level:	2278
Note:	Not Reported		
Level reading date:	1955-04-03	Feet below surface:	Not Reported
Feet to sea level:	2279	Note:	Not Reported
Level reading date:	1955-03-20	Feet below surface:	Not Reported
Feet to sea level:	2286	Note:	Not Reported

Level reading date:	1955-01-30	Feet below surface:	Not Reported
Feet to sea level:	2284	Note:	Not Reported
Level reading date:	1954-12-21	Feet below surface:	Not Reported
Feet to sea level:	2284	Note:	Not Reported
Level reading date:	1954-10-13	Feet below surface:	Not Reported
Feet to sea level:	2280	Note:	Not Reported
Level reading date:	1954-09-20	Feet below surface:	Not Reported
Feet to sea level:	2279	Note:	Not Reported
Level reading date:	1954-08-09	Feet below surface:	Not Reported
Feet to sea level:	2281	Note:	Not Reported
Level reading date:	1934-11-12	Feet below surface:	Not Reported
Feet to sea level:	2335	Note:	Not Reported
Level reading date:	1932-07-07	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1932-05-10	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1932-03-29	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1932-02-11	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1932-02-04	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1931-12-07	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1931-10-08	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1931-08-05	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1931-06-08	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1931-04-07	Feet below surface:	Not Reported
Feet to sea level:	2324	Note:	Not Reported
Level reading date:	1931-03-05	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1931-01-06	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1930-11-04	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1930-10-01	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1930-09-03	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported

Level reading date:	1930-08-05	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1930-06-04	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1930-03-19	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1930-02-10	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1929-12-03	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1929-10-12	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1929-09-04	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1929-08-05	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1929-06-01	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1929-04-16	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1929-03-04	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1929-02-04	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1929-01-03	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1928-12-04	Feet below surface:	Not Reported
Feet to sea level:	2325	Note:	Not Reported
Level reading date:	1928-11-01	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-10-05	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-09-05	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-08-03	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-07-02	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-06-02	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-04-26	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported

Level reading date:	1928-04-03	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-03-02	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-02-02	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1928-01-10	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1927-10-04	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1927-08-04	Feet below surface:	Not Reported
Feet to sea level:	2326	Note:	Not Reported
Level reading date:	1927-04-03	Feet below surface:	Not Reported
Feet to sea level:	2327	Note:	Not Reported
Level reading date:	1927-03-07	Feet below surface:	Not Reported
Feet to sea level:	2328	Note:	Not Reported

F33
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000015556**

Well ID:	L10001850822-OBMW-02	Well Type:	MONITORING
Source:	EDF	Other Name:	OBMW-02
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10001850822&assigned_name=OBMW-02&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10001850822&assigned_name=OBMW-02		

34
NW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000010162**

Well ID:	3301222-008	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL #5	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=3301222-008&store_num=		
GeoTracker Data:	Not Reported		

G35
NW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000008907**

Well ID:	3301155-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL #1 (WELL 3)	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=3301155-001&store_num=
GeoTracker Data:	Not Reported

G36
NW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000008786**

Well ID:	3301222-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01-IRRIGATION	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=3301222-001&store_num=		
GeoTracker Data:	Not Reported		

H37
SSE
1/2 - 1 Mile
Higher

CA WELLS **3468**

Seq:	3468	Prim sta c:	03S/01W-15D01 S
Frds no:	3301074001	County:	33
District:	63	User id:	33C
System no:	3301074	Water type:	G
Source nam:	COMMUNITY WELL	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335447.0	Longitude:	1165850.0
Precision:	3	Status:	AR
Comment 1:	120 S CALIFORNIA AVE SOUTH OF BEAUMONT		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	3301074	System nam:	Lambs Canyon Community Well
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

H38
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138961**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W15E001S	Type:	Well
Description:	WINDMILL WELL	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H39
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006081**

State Well #:	03S01W15E001S	Station ID:	26105
Well Name:	335447116585201	Well Use:	Observation
Well Type:	Single Well	Well Depth:	0
Basin Name:	San Timoteo	Well Completion Rpt #:	Not Reported

I40
ESE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006093**

State Well #:	03S01W10Q004S	Station ID:	4324
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	San Timoteo	Well Completion Rpt #:	Not Reported

I41
ESE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006099**

State Well #:	03S01W10Q003S	Station ID:	37848
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	San Timoteo	Well Completion Rpt #:	Not Reported

I42
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138989**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W10Q004S	Type:	Well
Description:	ROCKWELL GPS FOR LAT/LONG., NAD27		
HUC:	18070203	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Other aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	3	Level reading date:	2000-04-26
Feet below surface:	73.4	Feet to sea level:	Not Reported
Note:	The site was being pumped.		

Level reading date:	1999-10-28	Feet below surface:	67.9
Feet to sea level:	Not Reported	Note:	The site was being pumped.

Level reading date:	1998-06-10	Feet below surface:	61.4
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.

I43
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138999**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001W10Q003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	154.2	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	10	Level reading date:	2004-10-26
Feet below surface:	55.0	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2004-04-21	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	The site was dry (no water level recorded).		

Level reading date:	2003-11-18	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	The site was dry (no water level recorded).		

Level reading date:	2003-04-29	Feet below surface:	52.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-11-04	Feet below surface:	53.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-04-23	Feet below surface:	52.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-11-06	Feet below surface:	52.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-05-15	Feet below surface:	51.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-10-24	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-04-26	Feet below surface:	50.8
Feet to sea level:	Not Reported	Note:	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
92223	13	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: QUALIFICATIONS

PARTNER

Ramiro Vejar
Project Scientist

Education

Associate of Science, Computer Networking Technology, Westwood College, Los Angeles, CA

Registrations

Asbestos Building Inspector, ABIR0308190005N20839

Training

Asbestos Building Inspector Initial Course DOSH #: CA-015-06
2015 Compliance Training: Hazard Communicating, Asbestos, Lead, and Mold Awareness, Chemical Inventory, Personal Protective Equipment

Highlights

8 years of experience in the environmental consulting industry
Phase I Environmental Site Assessments
Records Search Risk Assessment Reports

Experience Summary

Mr. Vejar currently serves as a Project Scientist at Partner Engineering and Science, Inc. (Partner), where he is responsible for conducting various environmental assessments, including Phase I Environmental Site Assessments (ESAs) and Records Search Risk Assessment (RSRA) Reports in accordance with the ASTM E1527 standard, the US Environmental Protection Agency's All Appropriate Inquiry (AAI) regulation, US Small Business Administration environmental policy, as well as customized client formats, as needed.

Mr. Vejar brings over 8 years of experience in the environmental consulting industry, having conducted Database Reviews (DR), Records Search Risk Assessment Reports (RSRA), Historical Records Review (HRR), Historical Records and Database Review (HRDR), Extended Database Search (EDS), Environmental Transaction Screen (ETS), Phase I Environmental Site Assessments (ESA), Asbestos Sampling and Radon Screenings, and several other related environmental assessments. He is knowledgeable with various property types, including apartment buildings/complexes, commercial office buildings, shopping centers, multi-tenant commercial complexes, industrial warehouses, manufacturing facilities, gasoline service stations, and dry cleaning operations.

Project Experience

Phase I ESA, Santa Fe Springs Marketplace, Santa Fe Springs, CA. A 100,133 SF retail center on 13.07 acres including restaurants, retail, and an active drycleaner release site with ongoing remediation.

Phase I ESA, Harbor Auto Care Center, Santa Ana, CA. An eleven tenant automotive repair and service center with storage of hazardous materials and generated hazardous waste.

Phase I ESA, Mass Kansas, Riverside, CA. A 102,742 SF fiberglass and composite manufacturing of below ground enclosures on a 14.42 acre facility. Impacted with volatile organic compounds (VOCs) from historic manufacturing an industrial operations that operated from the facility since the 1940s.

Phase I ESA, Park @ VNY, Van Nuys, CA. A 37.34-acre historic Former Used Defense Site during World War II occupied by the United States Army between 1942 and 1946 and by the CA Air National Guard between 1954 and 1989.

Phase I ESA, Montclair, CA. A 1.24-acre property with a gasoline service station and car wash building. The site was identified with an open release case and ongoing Santa Ana Regional Water Quality Control Board (RWQCB) oversight.

Phase I ESA, Bellflower, CA. A six parcel commercial property with three multistory buildings which was historically occupied by two gasoline stations in the 1920s and 1930s prior to the redevelopment of the retail structures in 1946 and 1957. A Phase II subsurface investigation was recommended which included advancing borings for soil analysis and geophysical surveys to identify potential Underground Storage Tanks (USTs) or backfill anomalies.

Phase I ESA, Moon Valley Nursery, Hemet, CA. An 80 acre nursery property with barns, residential living, pesticide and herbicide storage, and related horticultural activities.

Phase I ESA, Gasser Olds Bronze, Vernon, CA. A 24,375 SF bronze foundry and metal plaque manufacturing facility operating since 1982 from a building which has been historically occupied for industrial use since it was constructed in 1941.

Phase I ESA, Dalton Trucking, Fontana, CA. An active 25 acre trucking facility since the 1970s with onsite truck and trailer maintenance/repair, refueling with associated underground diesel and gasoline tanks, truck and trailer washing with an associated in-ground clarifier, and storage of hazardous substances in aboveground storage tanks with a capacity ranging between 150 and 1,500-gallons. A Phase II subsurface investigation was recommended based on the age of the subsurface features and historical operations.

Contact

rvejar@partneresi.com

Sarah Vosovic
Project Manager

PARTNER Engineering and Science, Inc.

Education

B.S., Environmental Science, California State University, Chico

Registrations

OSHA 40-Hour HAZWOPER
AHERA Building Inspector training
California Department of Health Services/USEPA Lead Inspector/Assessor training

Summary of Professional Experience

Ms. Vosovic has more than 14 years of experience in the environmental consulting field and has worked in various disciplines, including environmental due diligence, NEPA compliance, lead-based paint and asbestos assessment, and LUST monitoring and reporting. Ms. Vosovic has performed hundreds of Phase I ESAs. She has also served as senior reviewer for NEPA compliance documents, with thousands of reports reviewed. She has tracked and managed the regulatory compliance for hundreds of microwave sites for a major telecommunications carrier.

Ms. Vosovic is well versed in EPA's All Appropriate Inquiry and ASTM E1527-13. She is knowledgeable in due diligence reporting standards, including Fannie Mae DUS, Freddie Mac, and HUD. Ms. Vosovic has conducted Phase I ESAs on a wide range of properties. Site assessment experience includes agricultural properties, semiconductor manufacturing facilities, fueling and automobile repair facilities, chemical distribution facilities, landfills, oil well fields, telecommunications sites, and shopping centers with dry cleaning facilities. She has scoped projects, mentored field personnel, identified environmental risks, and regularly provides detailed reports within demanding deadlines.

Ms. Vosovic is responsible for conducting all aspects of Phase I Environmental Site Assessments including proposal writing, staffing projects, client liaison, site reconnaissance and record reviews. Ms. Vosovic also provides management and QA/QC review of Phase I ESAs and Transaction Screens, and is focused on providing exemplary client service. Ms. Vosovic is responsible for ensuring consistency and quality of due diligence services and ensuring that client-specific requirements are met, as well as the requirements of ASTM and AAI standards. Ms. Vosovic displays excellent technical writing and editing skills, attention to detail, and excels at providing concise, logical conclusions and recommendations.

Project experience for Ms. Vosovic includes the following:

- Provided senior review for thousands of NEPA Screening Reports, Environmental Assessments, Section 106 Reports, SHPO consultation packets, NEPA Audit Reports, and

other related documents for various telecommunications industry clients. NEPA Technical Manager for multiple telecommunications industry clients in the western United States. Served as the primary point of contact with multiple state and federal agencies.

- Assisted in subsurface investigations at heavily industrialized and commercially developed properties. Subsurface investigations included the installation of soil borings, characterization of soils, and subsequent sampling of soil and groundwater. Oversaw geophysical surveys.

- Evaluated proposed microwave installations, LTE installations and underlying support structures for compliance with environmental, FAA, and FCC regulations. Tracked and managed over 700 microwave sites in two markets. Worked closely with the client, construction managers, turf vendors, engineers, and RF safety engineers to obtain and track regulatory compliance documentation.

- Managed a database and scheduled quarterly reporting for 45 leaking underground storage tank (LUST) cases under regulatory direction. Prepared Groundwater Monitoring Reports, NPDES Quarterly Reports, Subsurface Investigation Reports, Remediation Work Plans, Sensitive Receptor Surveys, and UST Cleanup Fund submittals. Collected soil and groundwater samples for laboratory analysis.

- Performed regulatory compliance audits for a major telecommunications carrier. Provided solutions and established protocols for ensuring compliance.

- Laboratory Instructor for Introductory Geology and Environmental Science courses at California State University, Chico.

Education

Bachelor of Arts, Public Administration & Economics, San Diego State University
Executive MBA Program, 2000-2003

Highlights

Over 20 years of experience in the environmental and engineering consulting industry
Property Condition Assessments (PCAs)
Fannie Mae, Freddie Mac, and HUD due diligence

Experience Summary

Mr. Lambson is a true veteran of the commercial real estate services industry. He has over 20 years of experience managing and performing environmental and engineering consulting projects on a national level. Mr. Lambson serves as a Principal for Partner and is located in Partner's San Diego County office. Mr. Lambson currently provides client management and consulting to a nationwide client base and specializes in advising "equity" clients during the acquisition phase of commercial property transactions in the U.S., Mexico, and Canada.

Mr. Lambson has assisted clients on over 10,000 commercial real estate transactions throughout his career. His due diligence resume includes experience at all levels, and includes advising REITs, developers, property managers, retail companies, commercial real estate brokers, mortgage brokers, attorneys, lenders, universities, and real estate investment groups with the following nationwide services:

- Property Condition Assessments (PCAs)
- Individual Building System Inspections for Roof, Mechanical Electrical Plumbing (MEP), Elevator, Structure, Façade, and ADA/Accessibility
- Phase I Environmental Site Assessments (ESAs)
- Phase II Subsurface Investigations (Soil and groundwater sampling and analysis)
- Phase III Environmental Remediation Services
- Asbestos, Lead, Radon, Mold Sampling
- Seismic and Structural Assessments (PMLs)
- Energy Audits, Benchmarking, AB1103 Energy Disclosure, and LEED-related services
- Hydrology, Water Conservation and Efficiency
- Fannie Mae / Freddie Mac / HUD Due Diligence
- Geotechnical and Soils Reports
- Zoning Reports
- ALTA Surveys

Building Sciences

Property Condition Assessment, MEP Report, Roof Report, Elevator Report, Structural and Seismic Assessment for a high-profile Class A office campus acquisition in the San Francisco Bay Area

ADA Compliance and Accessibility Reviews for a national bank branch portfolio

Fannie Mae Property Condition / Physical Needs Assessment services for a 5400-unit multifamily portfolio in Nevada

Environmental Assessments
Phase I and Phase II Environmental Assessments for a 75-acre aerospace facility in the Northwest United States

Over 500 Phase I Environmental Site Assessments for a national fast-food chain

Environmental consulting for over 1 million acres of desert land in California, Nevada, and Arizona

Land Surveys
ALTA Surveys for 2400-unit apartment portfolio in the Midwest

Multi-Site Portfolios
113-site office portfolio acquisition for a national REIT

122-site hotel portfolio for a national lending institution

55-site hotel portfolio acquisition for a private investment group

68-site healthcare portfolio acquisition for a national REIT

50-site country club/golf course acquisition for a private investment group

Energy and Water Efficiency
Energy & Water consulting for a national property owner that operates and manages 30 retail and office centers on the West Coast and Texas

Affiliations

National Association of Real Estate Investment Trusts (NAREIT)
International Council of Shopping Centers (ICSC)
U.S Green Building Council (USGBC)
Society of Industrial and Office Realtors, San Diego County (SIOR)
National Association of Industrial & Office Parks, Southern California (NAIOP)
San Diego Habitat Conservancy, Board of Directors. 2010 - 2014

Speaking

Bisnow Conference, Panel Moderator, La Jolla, CA, October 2014. Moderated panel on Southern California Real Estate Trends.

Globestreet, ICSC Western States Conference, San Diego, CA May 2013. Video interview regarding retail real estate trends and due diligence.

Publications

Shopping Centers Today, 2010. Authored article on LEED applications for shopping centers and retail assets.

Contact

mlambson@partneresi.com

PARTNER

Appendix F

Water Quality Management Plan

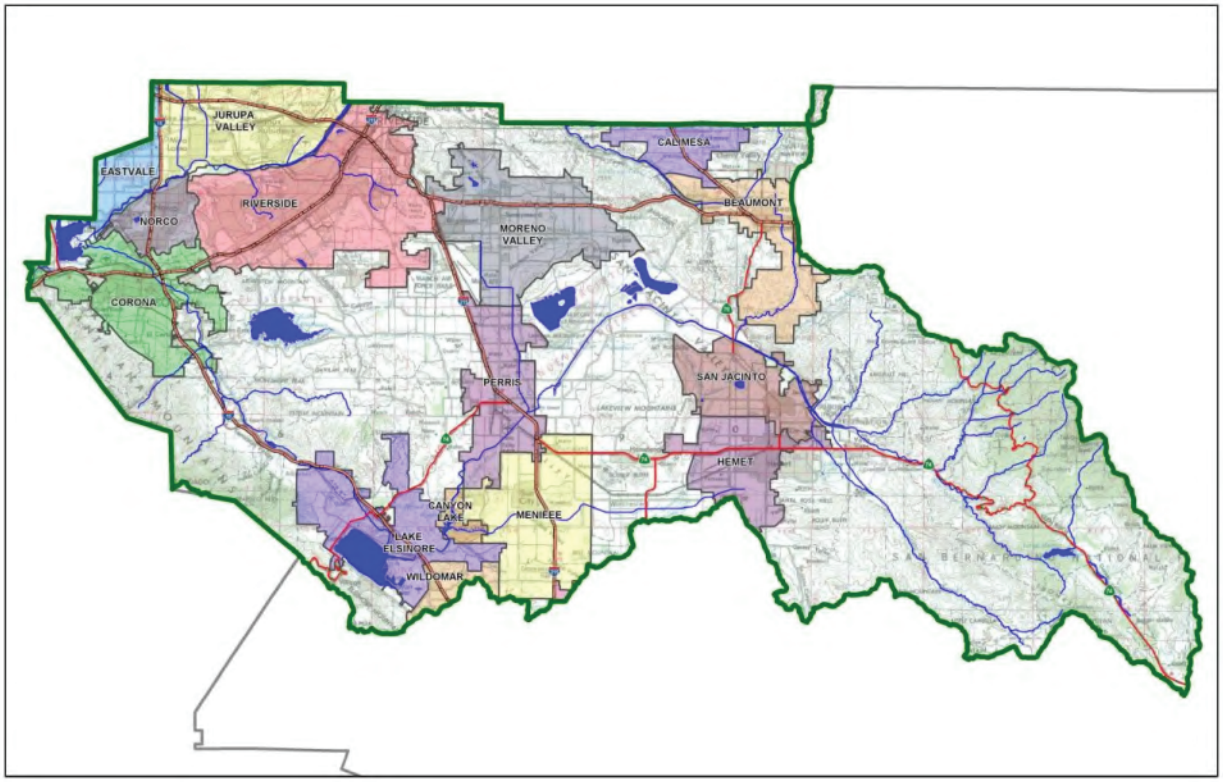
Project Specific Water Quality Management Plan

*A Template for Projects located within the **Santa Ana Watershed** Region of Riverside County*

Project Title: Beaumont Battery Energy Project

Development No: PP2021-0335

Design Review/Case No: PW2021-0656



Contact Information:

Prepared for: Beaumont ESS, LLC
437 Madison Avenue Suite 22A
New York, NY 10222

Prepared by: Chris Carda, PE
Director, Civil Engineering
Westwood Professional Services
12701 Whitewater Drive, Suite 300
Minnetonka, MN 55343

☒ **Preliminary**
☐ **Final**

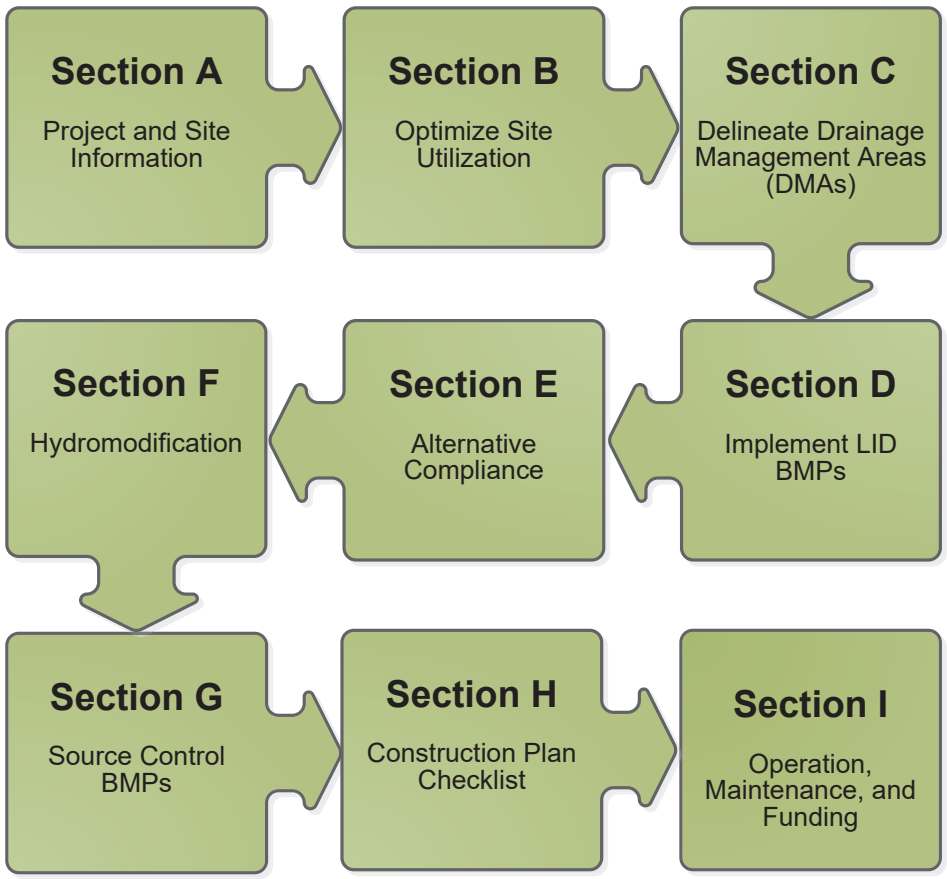
Original Date Prepared: 03-31-2021

Revision Date(s): 10-01-2021

Prepared for Compliance with
Regional Board Order No. **R8-2010-0033**
Template revised June 30, 2016

A Brief Introduction

This Project-Specific WQMP Template for the **Santa Ana Region** has been prepared to help guide you in documenting compliance for your project. Because this document has been designed to specifically document compliance, you will need to utilize the WQMP Guidance Document as your "how-to" manual to help guide you through this process. Both the Template and Guidance Document go hand-in-hand, and will help facilitate a well prepared Project-Specific WQMP. Below is a flowchart for the layout of this Template that will provide the steps required to document compliance.



OWNER'S CERTIFICATION

This Project-Specific Water Quality Management Plan (WQMP) has been prepared for Beaumont ESS, LLC, by Chris Carda, PE for the Beaumont Battery Energy Project.

This WQMP is intended to comply with the requirements of City of Beaumont for 13.24 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 City of Beaumont Water Quality Ordinance (Municipal Code Section 13.24).

"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."

Owner's Signature	Date: 10/5/21
Owner's Printed Name: Mark Turner	Owner's Title/Position: Vice President

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."

Preparer's Signature	Date: 10/1/21
Preparer's Printed Name: Christopher J. Carda	Preparer's Title/Position: Director, Civil Engineering

Preparer's Licensure:



10.1.21

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

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
County of MARIN }

On 10.5.21, before me, Martin Konopaski ,Notary Public,

personally appeared Mark O. Turner

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 State of California that the foregoing paragraph is true and correct.

MARTIN KONOPASKI
COMM. # 2234924
NOTARY PUBLIC-CALIFORNIA
MARIN COUNTY
MY COMM. EXP. APR. 15, 2022

WITNESS my hand and official seal.

SIGNATURE _____

PLACE NOTARY SEAL ABOVE

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of attached document

Title or type of document: _____

_____

_____

Document Date: _____ Number of Pages: _____

Signer(s) Other than Named Above: _____

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Section A: Project and Site Information

PROJECT INFORMATION	
Type of Project:	Battery Energy Storage System
Planning Area:	NA
Community Name:	City of Beaumont
Development Name:	NA

PROJECT LOCATION

Latitude & Longitude (DMS): 33.924093, -116.987698

Project Watershed and Sub-Watershed: Little San Gorgonio Creek

Gross Acres: 6.95 acres

APN(s): 417130005, 417130012

Map Book and Page No.: Location Map

PROJECT CHARACTERISTICS		
Proposed or Potential Land Use(s)	BESS	
Proposed or Potential SIC Code(s)	(M) Manufacturing	
Area of Impervious Project Footprint (SF)	71,177	
Total Area of proposed Impervious Surfaces within the Project Footprint (SF)/or Replacement	71,177	
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)	0 SF	
Is the project located within any MSHCP Criteria Cell?	☐ Y	☒ N
If so, identify the Cell number:	NA	
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)	C	
What is the Water Quality Design Storm Depth for the project?	0.85	

Project Description: The project site is proposed on three adjacent parcels that together cover approximately 7 acres and is located within the city of Beaumont in Riverside County, California. The site is located on existing gravel and undeveloped land that generally slopes mildly to southwest and moderately to steeply to the east away from the higher land through the central column of the site. the proposed use of the site is a Battery Energy Storage System (BESS) facility which will consist of gravel with impervious BESS infrastructure. The proposed hydrology will include slight grading to get the stormwater into 4 separate Bioretention facilities to provide treatment, the ultimate drainage of these basins will be the same as in existing conditions to provide similar pre/post drainage conditions.

A.1 Maps and Site Plans

When completing your Project-Specific WQMP, include a map of the local vicinity and existing site. In addition, include all grading, drainage, landscape/plant palette and other pertinent construction plans in Appendix 2. At a **minimum**, your WQMP Site Plan should include the following:

- Drainage Management Areas
- Proposed Structural BMPs
- Drainage Path
- Drainage Infrastructure, Inlets, Overflows
- Source Control BMPs
- Buildings, Roof Lines, Downspouts
- Impervious Surfaces
- Standard Labeling
- BMP Locations (Lat/Long)

Use your discretion on whether or not you may need to create multiple sheets or can appropriately accommodate these features on one or two sheets. Keep in mind that the Co-Permittee plan reviewer must be able to easily analyze your project utilizing this template and its associated site plans and maps.

A.2 Identify Receiving Waters

Using Table A.1 below, list in order of upstream to downstream, the receiving waters that the project site is tributary to. Continue to fill each row with the Receiving Water's 303(d) listed impairments (if any), designated beneficial uses, and proximity, if any, to a RARE beneficial use. Include a map of the receiving waters 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 Timoteo Creek Reach 3 (Yucaipa Creek to Headwaters)	1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Nitrophenol, 4-Nitrophenol, Acenaphthene, Aldrin, Butyl benzyl phthalate, Carbon Disulfide, Chlorobenzene (mono), Chloroform, DDT (Dichlorodiphenyltrichloroethane), Dichlorobenzene (mixed isomers), Dieldrin, Diethyl phthalate, Endosulfan, Endrin, Heptachlor epoxide, Hexachlorobenzene/ HCB, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Methoxychlor, Naphthalene, Nitrobenzene, Pentachlorophenol (PCP), Phenol, Tetrachloroethylene/PCE, Toxaphene	WILD, WARM, REC2, REC1, MUN, GWR	NA
San Timoteo	NA	WILD, WARM, REC2, REC1, MUN, GWR	NA
Santa Ana River Reach 5	Alachlor, Atrazine, Azinphos-methyl (Guthion), Carbaryl, Carbofuran, Chlorpyrifos, DDE (Dichlorodiphenyldichloroethylene), Diazinon, Dieldrin, Disulfoton, Malathion, Methyl Parathion, Molinate, Simazine, Thiobencarb/Bolero	AGR,GWR,MUN, RARE, REC1, REC2, WARM, WILD	Yes

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 - #TBD	☒ 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)*	☐ Y	☒ N

If yes is answered to any of the questions above, the Co-Permittee may require proof of approval/coverage from those agencies as applicable including documentation of any associated requirements that may affect this Project-Specific WQMP.

Section B: Optimize Site Utilization (LID Principles)

Review of the information collected in Section 'A' will aid in identifying the principal constraints on site design and selection of LID BMPs as well as opportunities to reduce imperviousness and incorporate LID Principles into the site and landscape design. For example, **constraints** might include impermeable soils, high groundwater, groundwater pollution or contaminated soils, steep slopes, geotechnical instability, high-intensity land use, heavy pedestrian or vehicular traffic, utility locations or safety concerns. **Opportunities** might include existing natural areas, low areas, oddly configured or otherwise unbuildable parcels, easements and landscape amenities including open space and buffers (which can double as locations for bioretention BMPs), and differences in elevation (which can provide hydraulic head). Prepare a brief narrative for each of the site optimization strategies described below. This narrative will help you as you proceed with your LID design and explain your design decisions to others.

The 2010 Santa Ana MS4 Permit further requires that LID Retention BMPs (Infiltration Only or Harvest and Use) be used unless it can be shown that those BMPs are infeasible. Therefore, it is important that your narrative identify and justify if there are any constraints that would prevent the use of those categories of LID BMPs. Similarly, you should also note opportunities that exist which will be utilized during project design. Upon completion of identifying Constraints and Opportunities, include these on your WQMP Site plan in Appendix 1.

Consideration of "highest and best use" of the discharge should also be considered. For example, Lake Elsinore is evaporating faster than runoff from natural precipitation can recharge it. Requiring infiltration of 85% of runoff events for projects tributary to Lake Elsinore would only exacerbate current water quality problems associated with Pollutant concentration due to lake water evaporation. In cases where rainfall events have low potential to recharge Lake Elsinore (i.e. no hydraulic connection between groundwater to Lake Elsinore, or other factors), requiring infiltration of Urban Runoff from projects is counterproductive to the overall watershed goals. Project proponents, in these cases, would be allowed to discharge Urban Runoff, provided they used equally effective filtration-based BMPs.

Site Optimization

The following questions are based upon Section 3.2 of the WQMP Guidance Document. Review of the WQMP Guidance Document will help you determine how best to optimize your site and subsequently identify opportunities and/or constraints, and document compliance.

Did you identify and preserve existing drainage patterns? If so, how? If not, why?

Yes the existing ditch in the southeastern portion of the project boundary will not be disturbed.

Did you identify and protect existing vegetation? If so, how? If not, why?

Due to the nature of BESS projects all vegetation within the disturbed area will be removed. Areas within the project boundary but outside the disturbed area will have vegetation maintained.

Did you identify and preserve natural infiltration capacity? If so, how? If not, why?

The natural infiltration capacity will be maintained through minimizing compaction onsite.

Did you identify and minimize impervious area? If so, how? If not, why?

Due to the nature of BESS projects it is difficult to maintain perviousness.

Did you identify and disperse runoff to adjacent pervious areas? If so, how? If not, why?

The adjacent areas are concentrated flowpaths, so there were no areas to disperse runoff.

Section C: Delineate Drainage Management Areas (DMAs)

Utilizing the procedure in Section 3.3 of the WQMP Guidance Document which discusses the methods of delineating and mapping your project site into individual DMAs, complete Table C.1 below to appropriately categorize the types of classification (e.g., Type A, Type B, etc.) per DMA for your project site. Upon completion of this table, this information will then be used to populate and tabulate the corresponding tables for their respective DMA classifications.

Table C.1 DMA Classifications

DMA Name or ID	Surface Type(s)[1][2]	Area (Sq. Ft.)	DMA Type
DMA-1	Gravel, BESS Containers	84,071	D
DMA-2	Gravel, BESS Containers	79,279	D
DMA-3	Gravel, BESS Containers	46,174	D
DMA-4	Gravel, BESS Containers	32,670	D

[1]*Reference Table 2-1 in the WQMP Guidance Document to populate this column*
[2]*If multi-surface provide back-up*

Table C.2 Type 'A', Self-Treating Areas

DMA Name or ID	Area (Sq. Ft.)	Stabilization Type	Irrigation Type (if any)
NA			

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]
NA						

$$[D] = [B] + \frac{[B] \cdot [C]}{[A]}$$

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]
NA							

Table C.5 Type 'D', Areas Draining to BMPs

DMA Name or ID	BMP Name or ID
DMA-1	BMP-1
DMA-2	BMP-2
DMA-3	BMP-3
DMA-4	BMP-4

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 Report or Phase I Environmental Site Assessment may be required by the Copermittee to confirm present and past site characteristics that may affect the use of Infiltration BMPs. In addition, the Co-Permittee, at their discretion, may not require a geotechnical report for small projects as described in Chapter 2 of the WQMP Guidance Document. If a geotechnical report has been prepared, include it in Appendix 3. In addition, if a Phase I Environmental Site Assessment has been prepared, include it in Appendix 4.

Is this project classified as a small project consistent with the requirements of Chapter 2 of the WQMP Guidance Document? ☐ Y ☒ N

Infiltration Feasibility

Table D.1 below is meant to provide a simple means of assessing which DMAs on your site support Infiltration BMPs and is discussed in the WQMP Guidance Document in Chapter 2.4.5. Check the appropriate box for each question and then list affected DMAs as applicable. If additional space is needed, add a row below the corresponding answer.

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:		X
…have any DMAs located within 100 feet of a water supply well?		X
If Yes, list affected DMAs:		X
…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:		X
…have measured in-situ infiltration rates of less than 1.6 inches / hour?		NA
If Yes, list affected DMAs:		NA
…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:		X
…geotechnical report identify other site-specific factors that would preclude effective and safe infiltration?		X
Describe here:		X

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 - NA

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: Minor irrigated landscaping on the edges of the site will be provided onsite as the entire internal portion of the site will consist of gravel, BESS infrastructure and Bioretention BMPS.

Type of Landscaping (Conservation Design or Active Turf): Conservation design landscaping will be provided on the site edges. Not feasible to incorporate active turf.

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: 1.63 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: 2.12

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: 1.74 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)
1.74 acres	0.50 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: 0

Project Type: Commercial

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: 1.63 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: 176

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: 144.3

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)
144.3	0

Other Non-Potable Use Feasibility - NA

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.

Step 1: Identify the projected average daily non-potable demand, in gallons per day, during the wet season and accounting for any periodic shut downs or other lapses in occupancy or operation.

Average Daily Demand: 0 gpd

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for the identified non-potable 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: 1.63

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-4 in Chapter 2 to determine the minimum demand for non-potable uses per tributary impervious acre.

Enter the factor from Table 2-4: 1,259

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 gallons per day of non-potable use that would be required.

Minimum required use: 1,033 gpd

Step 5: Determine if harvesting stormwater runoff for other non-potable use is feasible for the project by comparing the projected average daily use (Step 1) to the minimum required non-potable use (Step 4).

Minimum required non-potable use (Step 4)	**Projected average daily use (Step 1)**
1,033 gpd	0

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

From the Infiltration, Harvest and Use, Bioretention and Biotreatment Sections above, complete Table D.2 below to summarize which LID BMPs are technically feasible, and which are not, based upon the established hierarchy.

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	
DMA-1	☐	☐	☒	☐	☐
DMA-2	☐	☐	☒	☐	☐
DMA-3	☐	☐	☒	☐	☐
DMA-4	☐	☐	☒	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

For those DMAs where LID BMPs are not feasible, provide a brief narrative below summarizing why they are not feasible, include your technical infeasibility criteria in Appendix 5, and proceed to Section E below to document Alternative Compliance measures for those DMAs. Recall that each proposed DMA must pass through the LID BMP hierarchy before alternative compliance measures may be considered.

Insert narrative description here.

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. First**,** calculate the Design Capture Volume for each LID BMP using the V_{BMP} worksheet in Appendix F of the LID BMP Design Handbook. Second**,** design the LID BMP to meet the required V_{BMP} using a method approved by the Copermittee. Utilize the worksheets found in the LID BMP Design Handbook or consult with your Copermittee to assist you in correctly sizing your LID BMPs. Complete Table D.3 below to document the Design Capture Volume and the Proposed Volume for each LID BMP. Provide the completed design procedure sheets for each LID BMP in Appendix 6. You may add additional rows to the table below as needed.

Table D.3 DCV Calculations for LID BMPs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Enter BMP Name / Identifier Here*		
	[A]		[B]	[C]	[A] x [C]			
DMA-1	*84,071*	*Mixed Surface*	*0.45*	*0.31*	*25,938.9*	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
DMA-2	*79,279*	*Mixed Surface*	*0.57*	*0.39*	*30,653.5*			
DMA-3	*46,174*	*Mixed Surface*	*0.10*	*0.11*	*5.100.3*			
DMA-4	*32,670*	*Mixed Surface*	*0.06*	*0.08*	*2,738.3*			
DMA-1						0.85	1,837	1,838
DMA-2						0.85	2,171	2,172
DMA-3						0.85	361	362
DMA-4						.85	194	195

[B], [C] is obtained as described in Section 2.3.1 of the WQMP Guidance Document

[E] is obtained from Exhibit A in the WQMP Guidance Document

[G] is obtained from a design procedure sheet, such as in LID BMP Design Handbook and placed in Appendix 6

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.

List DMAs here.

E.1 Identify Pollutants of Concern

Utilizing Table A.1 from Section A above which noted your project's receiving waters and their associated EPA approved 303(d) listed impairments, cross reference this information with that of your selected Priority Development Project Category in Table E.1 below. If the identified General Pollutant Categories are the same as those listed for your receiving waters, then these will be your Pollutants of Concern and the appropriate box or boxes will be checked on the last row. The purpose of this is to document compliance and to help you appropriately plan for mitigating your Pollutants of Concern in lieu of implementing LID BMPs.

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 - NA

Projects that cannot implement LID BMPs but nevertheless implement smart growth principles are potentially eligible for Stormwater Credits. Utilize Table 3-8 within the WQMP Guidance Document to identify your Project Category and its associated Water Quality Credit. If not applicable, write N/A.

Table E.2 Water Quality Credits

Qualifying Project Categories	Credit Percentage[2]
N/A	
Total Credit Percentage[1]	

[1]Cannot Exceed 50%

[2]Obtain corresponding data from Table 3-8 in the WQMP Guidance Document

E.3 Sizing Criteria - NA

After you appropriately considered Stormwater Credits for your project, utilize Table E.3 below to appropriately size them to the DCV, or Design Flow Rate, as applicable. Please reference Chapter 3.5.2 of the WQMP Guidance Document for further information.

Table E.3 Treatment Control BMP Sizing

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I_f	DMA Runoff Factor	DMA Area x Runoff Factor		***Enter BMP Name / Identifier Here***		
	[A]		[B]	[C]	[A] x [C]				
						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)*
	A_T = Σ[A]				Σ= [D]	[E]	$[F] = \frac{[D]x[E]}{[G]}$	[F] X (1-[H])	[I]

[B], [C] is obtained as described in Section 2.3.1 from the WQMP Guidance Document

[E] is for Flow-Based Treatment Control BMPs [E] = .2, for Volume-Based Control Treatment BMPs, [E] obtained from Exhibit A in the WQMP Guidance Document

[G] is for Flow-Based Treatment Control BMPs [G] = 43,560, for Volume-Based Control Treatment BMPs, [G] = 12

[H] is from the Total Credit Percentage as Calculated from Table E.2 above

[I] as obtained from a design procedure sheet from the BMP manufacturer and should be included in Appendix 6

E.4 Treatment Control BMP Selection - NA

Treatment Control BMPs typically provide proprietary treatment mechanisms to treat potential pollutants in runoff, but do not sustain significant biological processes. Treatment Control BMPs must have a removal efficiency of a medium or high effectiveness as quantified below:

- **High**: equal to or greater than 80% removal efficiency
- **Medium**: between 40% and 80% removal efficiency

Such removal efficiency documentation (e.g., studies, reports, etc.) as further discussed in Chapter 3.5.2 of the WQMP Guidance Document, must be included in Appendix 6. In addition, ensure that proposed Treatment Control BMPs are properly identified on the WQMP Site Plan in Appendix 1.

Table E.4 Treatment Control BMP Selection

Selected Treatment Control BMP Name or ID[1]	Priority Pollutant(s) of Concern to Mitigate[2]	Removal Efficiency Percentage[3]
N/A		

[1] Treatment Control BMPs must not be constructed within Receiving Waters. In addition, a proposed Treatment Control BMP may be listed more than once if they possess more than one qualifying pollutant removal efficiency.

[2] Cross Reference Table E.1 above to populate this column.

[3] As documented in a Co-Permittee Approved Study and provided in Appendix 6.

Section F: Hydromodification

F.1 Hydrologic Conditions of Concern (HCOC) Analysis

Once you have determined that the LID design is adequate to address water quality requirements, you will need to assess if the proposed LID Design may still create a HCOC. Review Chapters 2 and 3 (including Figure 3-7) of the WQMP Guidance Document to determine if your project must mitigate for Hydromodification impacts. If your project meets one of the following criteria which will be indicated by the check boxes below, you do not need to address Hydromodification at this time. However, if the project does not qualify for Exemptions 1, 2 or 3, then additional measures must be added to the design to comply with HCOC criteria. This is discussed in further detail below in Section F.2.

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			
Volume (Cubic Feet)			

[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:

INSERT TEXT HERE

F.2 HCOC Mitigation

If none of the above HCOC Exemption Criteria are applicable, HCOC criteria is considered mitigated if they meet one of the following conditions:

a. Additional LID BMPS are implemented onsite or offsite to mitigate potential erosion or habitat impacts as a result of HCOCs. This can be conducted by an evaluation of site-specific conditions utilizing accepted professional methodologies published by entities such as the California Stormwater Quality Association (CASQA), the Southern California Coastal Water Research Project (SCCRWP), or other Co-Permittee approved methodologies for site-specific HCOC analysis.

b. The project is developed consistent with an approved Watershed Action Plan that addresses HCOC in Receiving Waters.

c. Mimicking the pre-development hydrograph with the post-development hydrograph, for a 2-year return frequency storm. Generally, the hydrologic conditions of concern are not significant, if the post-development hydrograph is no more than 10% greater than pre-development hydrograph. In cases where excess volume cannot be infiltrated or captured and reused, discharge from the site must be limited to a flow rate no greater than 110% of the pre-development 2-year peak flow.

Be sure to include all pertinent documentation used in your analysis of the items a, b or c in Appendix 7.

The HCOC for the project will be mitigated through the use of 4 Bioretention basins installed on the downstream sides of the project to meet item “C”. These basins will mitigate the increase in flow from the added imperviousness and will create post-development hydrographs and discharge that are less than existing conditions and are meeting the specific requirements of <110% of the 2-year event. All relevant modeling and calculations can be found in Appendix 7.

Section G: Source Control BMPs

Source control BMPs include permanent, structural features that may be required in your project plans — such as roofs over and berms around trash and recycling areas — and Operational BMPs, such as regular sweeping and "housekeeping", that must be implemented by the site's occupant or user. The MEP standard typically requires both types of BMPs. In general, Operational BMPs cannot be substituted for a feasible and effective permanent BMP. Using the Pollutant Sources/Source Control Checklist in Appendix 8, review the following procedure to specify Source Control BMPs for your site:

1. ***Identify Pollutant Sources*:** Review Column 1 in the Pollutant Sources/Source Control Checklist. Check off the potential sources of Pollutants that apply to your site.

2. ***Note Locations on Project-Specific WQMP Exhibit*:** Note the corresponding requirements listed in Column 2 of the Pollutant Sources/Source Control Checklist. Show the location of each Pollutant source and each permanent Source Control BMP in your Project-Specific WQMP Exhibit located in Appendix 1.

3. ***Prepare a Table and Narrative*:** Check off the corresponding requirements listed in Column 3 in the Pollutant Sources/Source Control Checklist. In the left column of Table G.1 below, list each potential source of runoff Pollutants on your site (from those that you checked in the Pollutant Sources/Source Control Checklist). In the middle column, list the corresponding permanent, Structural Source Control BMPs (from Columns 2 and 3 of the Pollutant Sources/Source Control Checklist) used to prevent Pollutants from entering runoff. **Add additional narrative** in this column that explains any special features, materials or methods of construction that will be used to implement these permanent, Structural Source Control BMPs.

4. ***Identify Operational Source Control BMPs:*** To complete your table, refer once again to the Pollutant Sources/Source Control Checklist. List in the right column of your table the Operational BMPs that should be implemented as long as the anticipated activities continue at the site. Copermittee stormwater ordinances require that applicable Source Control BMPs be implemented; the same BMPs may also be required as a condition of a use permit or other revocable Discretionary Approval for use of the site.

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. 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."

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)
BMP-1	Bioretention Basin 1	Grading Plan	33° 55' 29.5310" N, 116° 59' 13.7601" W
BMP-2	Bioretention Basin 2	Grading Plan	33° 55' 27.9424" N, 116° 59' 13.7652" W
BMP-3	Bioretention Basin 3	Grading Plan	33° 55' 24.5921" N, 116° 59' 16.0084" W
BMP-4	Bioretention Basin 4	Grading Plan	33° 55' 24.4189" N, 116° 59' 14.3032" W

Note that the updated table — or Construction Plan WQMP Checklist — is **only a reference tool** to facilitate an easy comparison of the construction plans to your Project-Specific WQMP. Co-Permittee staff can advise you regarding the process required to propose changes to the approved Project-Specific WQMP.

Section I: Operation, Maintenance and Funding

The Copermittee will periodically verify that Stormwater BMPs on your site are maintained and continue to operate as designed. To make this possible, your Copermittee will require that you include in Appendix 9 of this Project-Specific WQMP:

1. A means to finance and implement facility maintenance in perpetuity, including replacement cost.
2. Acceptance of responsibility for maintenance from the time the BMPs are constructed until responsibility for operation and maintenance is legally transferred. A warranty covering a period following construction may also be required.
3. An outline of general maintenance requirements for the Stormwater BMPs you have selected.
4. Figures delineating and designating pervious and impervious areas, location, and type of Stormwater BMP, and tables of pervious and impervious areas served by each facility. Geo-locating the BMPs using a coordinate system of latitude and longitude is recommended to help facilitate a future statewide database system.
5. A separate list and location of self-retaining areas or areas addressed by LID Principles that do not require specialized O&M or inspections but will require typical landscape maintenance as noted in Chapter 5, pages 85-86, in the WQMP Guidance. Include a brief description of typical landscape maintenance for these areas.

Your local Co-Permittee will also require that you prepare and submit a detailed Stormwater BMP Operation and Maintenance Plan that sets forth a maintenance schedule for each of the Stormwater BMPs built on your site. An agreement assigning responsibility for maintenance and providing for inspections and certification may also be required.

Details of these requirements and instructions for preparing a Stormwater BMP Operation and Maintenance Plan are in Chapter 5 of the WQMP Guidance Document.

Maintenance Mechanism: TBD during Final

Will the proposed BMPs be maintained by a Home Owners' Association (HOA) or Property Owners Association (POA)?

☐ Y ☒ N

Include your Operation and Maintenance Plan and Maintenance Mechanism in Appendix 9. Additionally, include all pertinent forms of educational materials for those personnel that will be maintaining the proposed BMPs within this Project-Specific WQMP in Appendix 10.

The Project Owner will assume ownership and maintenance of the BMP's at the end of construction. O&M plan to be finalized during final WQMP submittal.

Appendix 1: Maps and Site Plans

Location Map, WQMP Site Plan and Receiving Waters Map

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Data Sources: Westwood (2021); Esri WMS Basemap Imagery (Accessed 2021); USGS (2021); FEMA (2021); USDA (2021)

Legend

- Project Boundary
- County Boundary

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N

0 0.5 Miles

Beaumont BESS Project

Riverside County, California

Exhibit 1: Location Map

December 29, 2020

Map Document: N:\0028655.00_GIS\Hydro Exhibits\WQMP Exhibits\2020-12-29_Beaumont_EX1LocationMap.mxd 1/6/2021 7:26:43 AM

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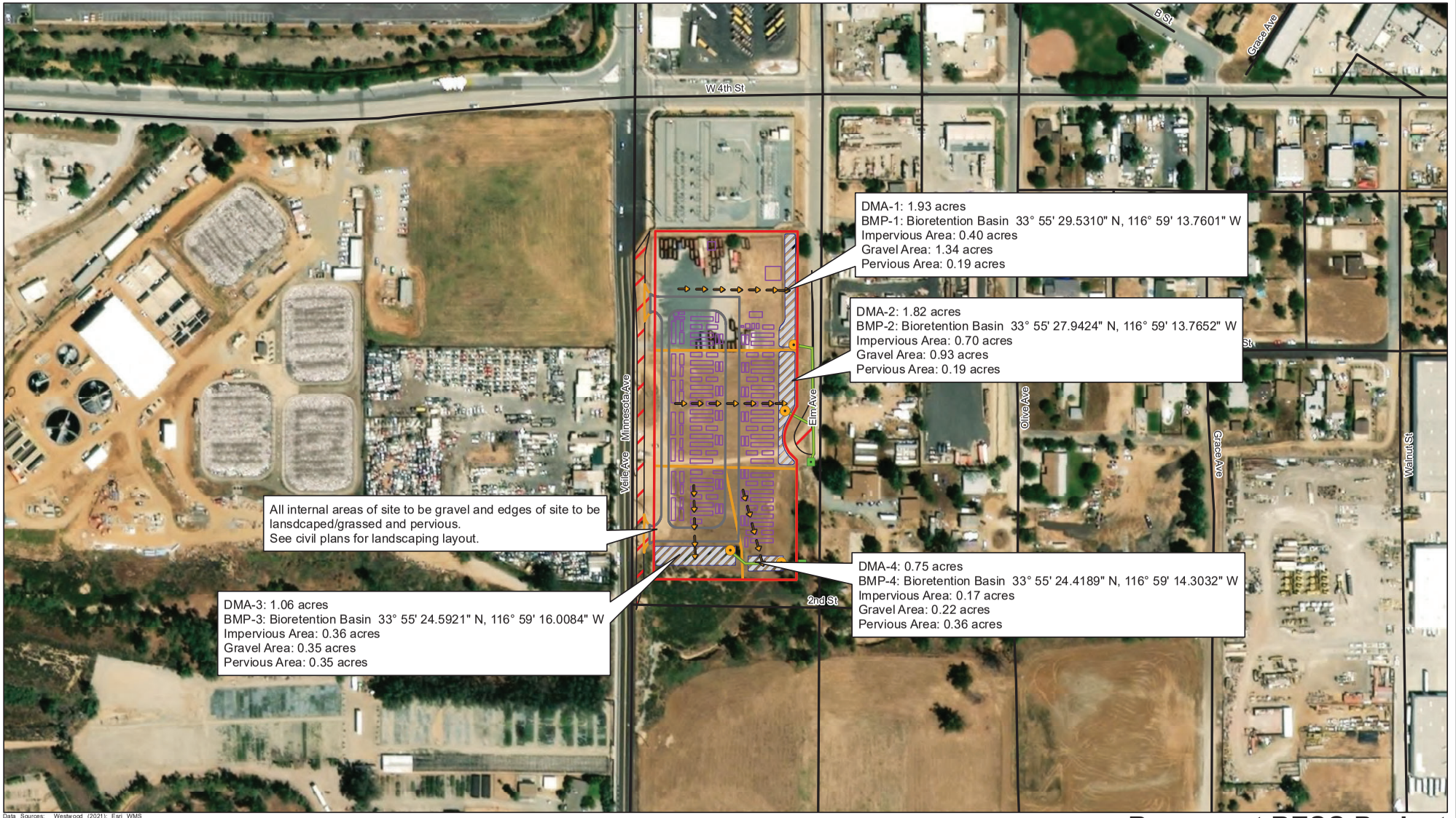

Data Sources: Westwood (2021); Esri WMS Basemap Imagery (Accessed 2021); USGS (2021); FEMA (2021); USDA (2021)

Legend

- Project Boundary
- County Boundary
- DMA Boundary
- BESS Containers (Impervious)
- Drainage Path
- Storm Inlet
- Storm Outlet
- Storm Drain
- Gravel Access Road (Partial Impervious)
- Bioretention Basin (Pervious)
- Existing Roadway
- Offsite Road Improvements

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N

0 200 Feet

Beaumont BESS Project

Riverside County, California

Exhibit 2: WQMP Map

July 19, 2021

Map Document: N:\029855.00_GIS\Hydro Exhibits\WQMP Exhibits\2021-09-14_Beaumont_WQMPMap.mxd 10/5/2021 7:56:17 AM

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WATER QUALITY NOTES

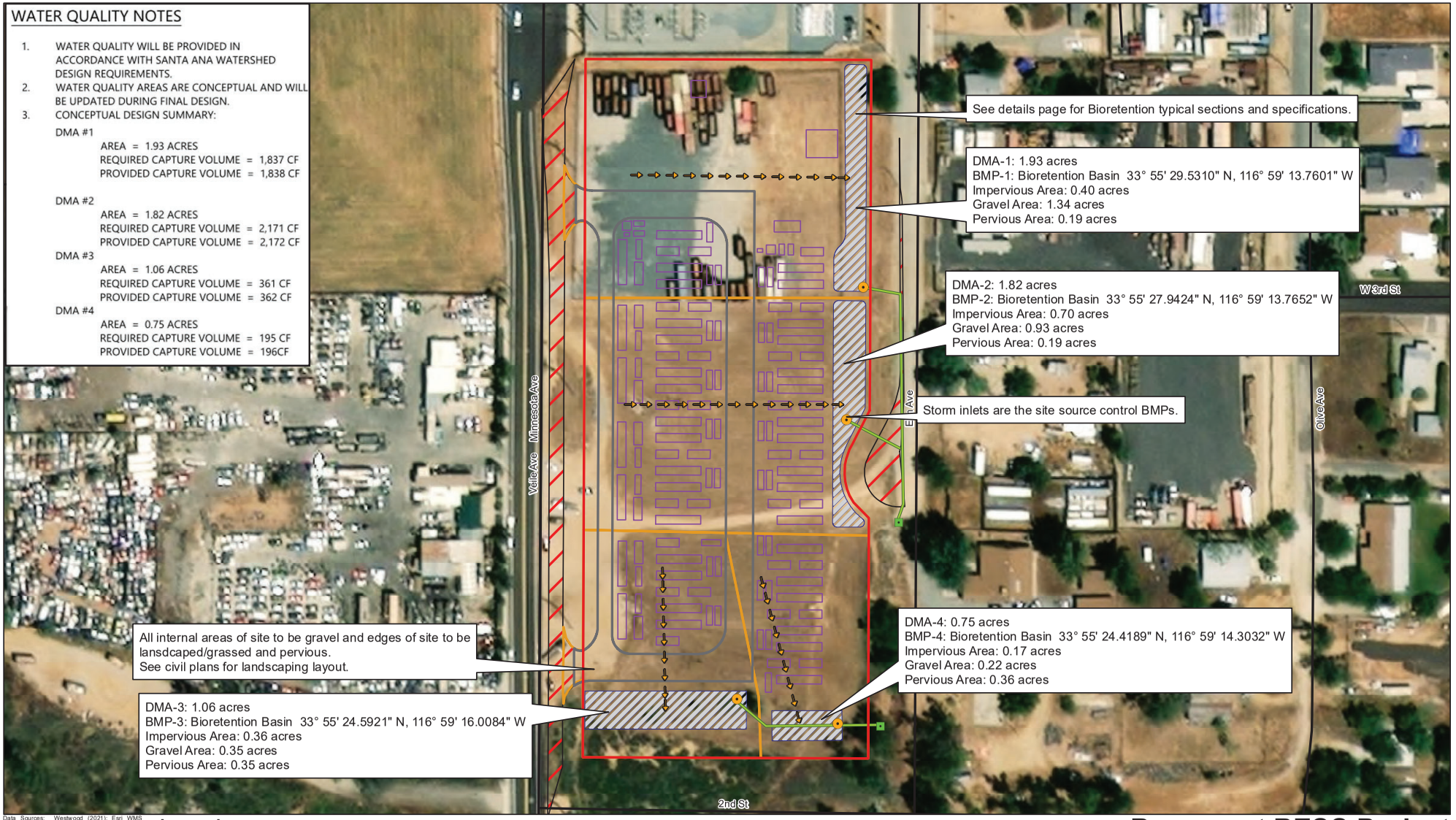
1. WATER QUALITY WILL BE PROVIDED IN ACCORDANCE WITH SANTA ANA WATERSHED DESIGN REQUIREMENTS.
2. WATER QUALITY AREAS ARE CONCEPTUAL AND WILL BE UPDATED DURING FINAL DESIGN.
3. CONCEPTUAL DESIGN SUMMARY:

DMA #1
AREA = 1.93 ACRES
REQUIRED CAPTURE VOLUME = 1,837 CF
PROVIDED CAPTURE VOLUME = 1,838 CF

DMA #2
AREA = 1.82 ACRES
REQUIRED CAPTURE VOLUME = 2,171 CF
PROVIDED CAPTURE VOLUME = 2,172 CF

DMA #3
AREA = 1.06 ACRES
REQUIRED CAPTURE VOLUME = 361 CF
PROVIDED CAPTURE VOLUME = 362 CF

DMA #4
AREA = 0.75 ACRES
REQUIRED CAPTURE VOLUME = 195 CF
PROVIDED CAPTURE VOLUME = 196CF



Data Sources: Westwood (2021); Esri WMS Basemap Imagery (Accessed 2021); USGS (2021); FEMA (2021); USDA (2021)

Legend

- Project Boundary
- County Boundary
- DMA Boundary
- BESS Containers (Impervious)
- Bioretention Basin (Pervious)
- Offsite Road Improvements
- Gravel Access Road (Partial Impervious)
- Drainage Path
- Storm Drain
- Existing Roadway
- Proposed Grading
- Storm Inlet
- Storm Outlet

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Beaumont BESS Project

Riverside County, California

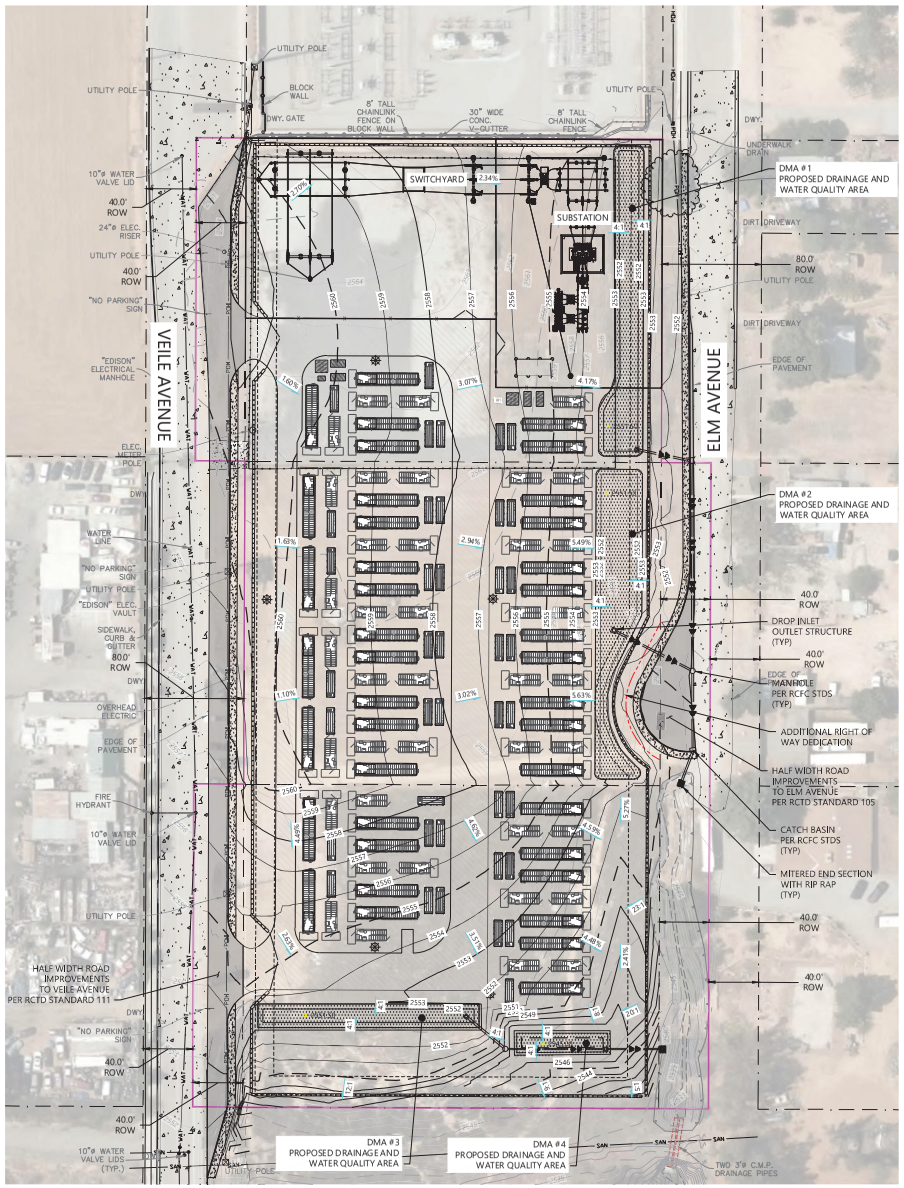
N

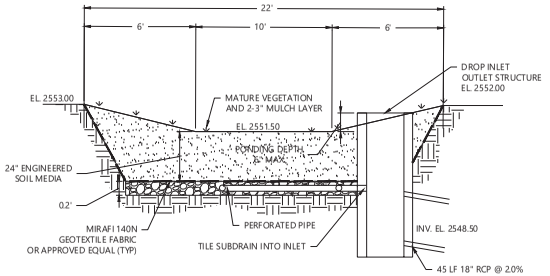
0 100 Feet

Exhibit 2A: WQMP Map Zoom

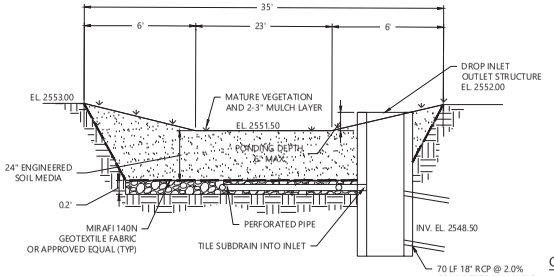
September 16, 2021

Map Document: N:\0029855.00_GIS\Hydro Exhibits\WQMP Exhibits\2021-09-14_Beaumont_WQMPMap_Zoom.mxd 10/5/2021 7:56:09 AM





DMA #1 WATER QUALITY DETAIL



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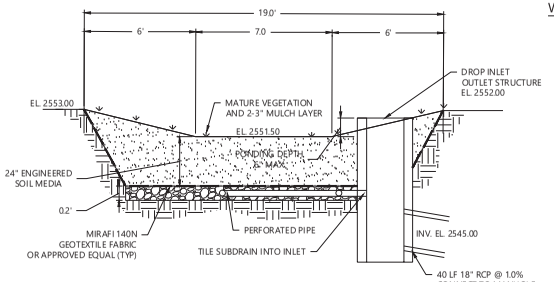

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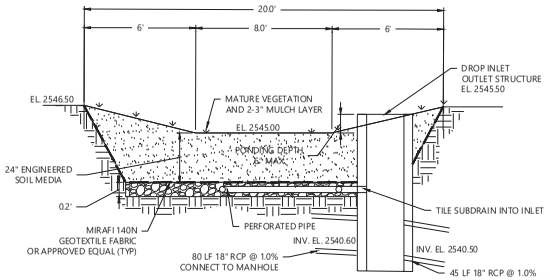
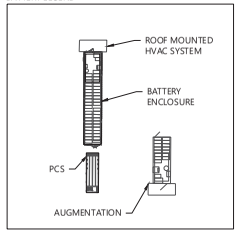


DMA #4 WATER QUALITY DETAIL

LEGEND:

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- PARCEL LINES
- EASEMENT LINES
- EX. TREELINE
- EX. PAVED ROAD
- PROPOSED PAVED ACCESS ROAD
- PROPOSED DRAINAGE POND AREA
- PROPOSED SETBACK BOUNDARY
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR

BATTERY LEGEND



GENERAL NOTES

1. NO LANDS IN THE SUBJECT PARCELS ARE SUBJECT TO OVERFLOW, INUNDATIONS OR FLOOD HAZARDS.

WATER QUALITY NOTES

1. WATER QUALITY WILL BE PROVIDED IN ACCORDANCE WITH SANTA ANA WATERSHED DESIGN REQUIREMENTS.
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PROVIDED CAPTURE VOLUME = 362 CF

DMA #4
AREA = 0.75 ACRES
REQUIRED CAPTURE VOLUME = 195 CF
PROVIDED CAPTURE VOLUME = 196CF

PRELIMINARY EARTHWORK QUANTITIES	
CUT	24,000 CU YD
FILL	2,000 CU YD
GRAVEL IMPORT	3,500 CU YD
EXPORT	22,000 CU YD

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CHRISTOPHER J. GRAHAM
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CIVIL
STATE OF CALIFORNIA
10-1-21

PREPARED FOR:

TERRA-GEN

DBA BEAUMONT ESS, LLC
11455 El Camino Real Suite 160
San Diego, CA 92130

REVISIONS

#	DATE	COMMENT
1	04/13/21	CITY COMMENTS
2	05/27/21	CITY COMMENTS
3	06/08/21	CITY COMMENTS
4	07/21/21	PWQMP COMMENTS
5	08/23/21	PLAN UPDATE
6	09/17/21	PLAN UPDATE
7	10/01/21	PLAN UPDATE

0' 50' 100' 150'

Beaumont Battery Energy Project

City of Beaumont, CA

PRELIMINARY GRADING PLAN

DATE: 10/01/2021

SHEET: 3

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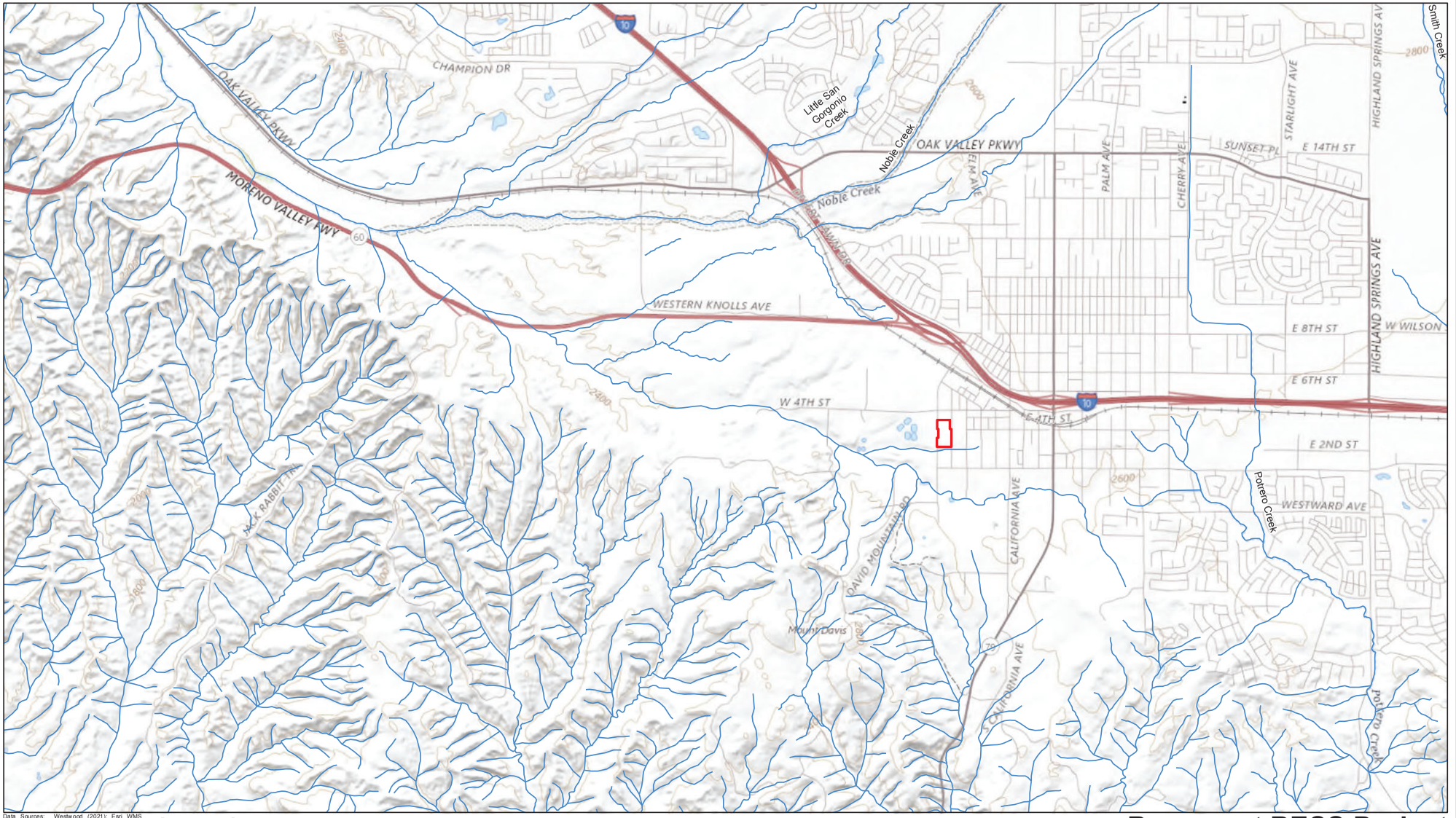

Data Sources: Westwood (2021); Esri WMS Basemap Imagery (Accessed 2021); USGS (2021); FEMA (2021); USDA (2021)

Legend

- Project Boundary
- County Boundary
- NHD Flowline

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N

0 0.5 Miles

Beaumont BESS Project

Riverside County, California

Exhibit 3: Receiving Waters Map

December 29, 2020

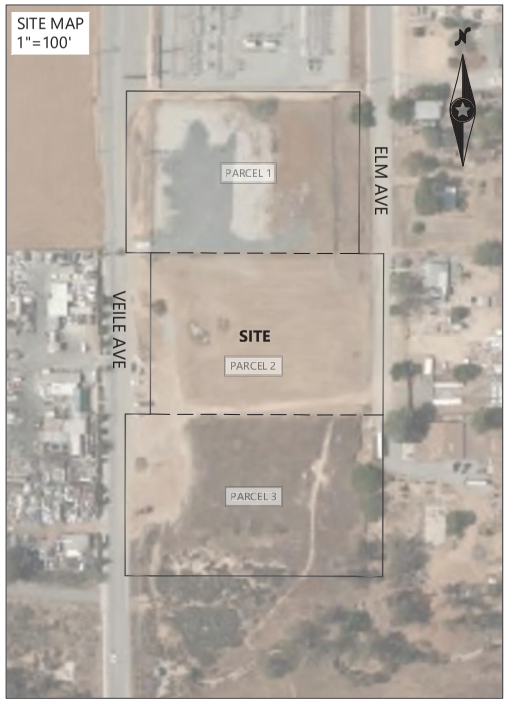
Map Document: N:\029855.00_GIS\Hydro Exhibits\WQMP Exhibits\2020-12-29_Beaumont_ReceivingWatersMap.mxd 1/6/2021 10:43:48 AM

Appendix 2: Construction Plans

Grading and Drainage Plans

PLOT PLAN
BEAUMONT BATTERY ENERGY PROJECT
248 VEILE AVENUE
CITY OF BEAUMONT, CA 92223





SHEET INDEX

1	COVER SHEET
2	PRELIMNARY SITE PLAN
3	PRELIMINARY GRADING AND DRAINAGE PLAN
4	PRELIMINARY UTILITY PLAN
5	PRELIMINARY LANDSCAPE PLAN
6	PRELIMINARY LANDSCAPE PLAN

PROJECT ADDRESS
248 VEILE AVENUE
BEAUMONT, CA 92223

ASSESSOR'S PARCEL NUMBER
PARCEL 1 - 417-110-012 (2.24 AC)
PARCEL 2 - 417-130-012 (2.24 AC)
PARCEL 3 - 417-130-005 (2.48 AC)

BASIS OF BEARINGS
ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 6, EPOCH 2010.00, AND WAS ESTABLISHED BY THE LINE BETWEEN NATIONAL GEODETIC SURVEY (NGS) LOCAL CONTROL STATIONS "T448 RESET" (PID DX2369) AND "60386" (PID DX1078) HAVING A BEARING OF NORTH 81°31'11" WEST.

BENCHMARK
ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) USING NATIONAL GEODETIC SURVEY (NGS) STATION "T448 RESET" (PID DX2369) HAVING AN ELEVATION OF 2469.64 FEET.

LEGAL DESCRIPTION

APN: 417-110-012
LOT 2, BLOCK 137, AMENDED MAP OF THE TOWN OF BEAUMONT, AS RECORDED IN BOOK 6 PAGES 16 AND 17, OF MAPS, RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA. TOGETHER WITH THE EAST HALF OF MINNESOTA AVENUE, 80 FEET WIDE, AS VACATED BY ORDINANCE RECORDED JUNE 28, 1940 AS INSTRUMENT NO. 1895 IN BOOK 467, PAGE(S) 434 OF OFFICIAL RECORDS, LYING BETWEEN THE EASTERLY PROLONGATIONS OF THE NORTH AND SOUTH LINES OF LOT 2, BLOCK 137.

APN: 417-130-012
LOT 3 IN BLOCK 137 OF THE AMENDED MAP OF THE TOWN OF BEAUMONT, IN THE CITY OF BEAUMONT, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 6, PAGE(S) 16 AND 17 OF MAPS, RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA. TOGETHER WITH THE VACATED STREET ELM AVENUE BY RESOLUTIONS RECORDED JUNE 28, 1940 IN BOOK 467 PAGE 434 OF OFFICIAL RECORDS, AND JULY 28, 1989 AS INSTRUMENT NO. 252946, CORRECTED DOCUMENT RECORDED AUGUST 15, 1989 AS INSTRUMENT NO. 277733 ALL OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

APN: 417-130-005
LOT 4 IN BLOCK 137 OF THE AMENDED MAP OF THE TOWN OF BEAUMOND, IN THE CITY OF BEAUMO COUNTY OF NT, RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 6, PAGE(S) 16 AND 17 OF MAPS, RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA, TOGETHER WITH THOSE VACATED STREETS MINNESOTA AVENUE AND ELM AVENUE BY RESOLUTIONS RECORDED JUNE 28, 1940 IN BOOK 467, PAGE(S) 434 OF OFFICIAL RECORDS, AND JULY 28, 1989 AS INSTRUMENT NO. 252946, CORRECTED DOCUMENT RECORDED AUGUST 15, 1989 AS INSTRUMENT NO. 277733 ALL OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

PROJECT TEAM

APPLICANT
TERRA-GEN, LLC
DBA BEAUMONT ESS, LLC
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SAN DIEGO, CA 92130
NATHAN VAJDOS
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NVAJDOS@TERRA-GEN.COM

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FONTANA, CA 92337

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LONG BEACH, CA 90808

PARCEL 3
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BEVERLY HILLS, CA 90211

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Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

CHRISTOPHER J. GAGAN — No. 27222 — CIVIL — STATE OF CALIFORNIA
10-1-21

PREPARED FOR:
TERRA-GEN
DBA BEAUMONT ESS, LLC
11455 El Camino Real Suite 160
San Diego, CA 92130

REVISIONS

#	DATE	COMMENT
1	04/13/21	CITY COMMENTS
2	05/27/21	CITY COMMENTS
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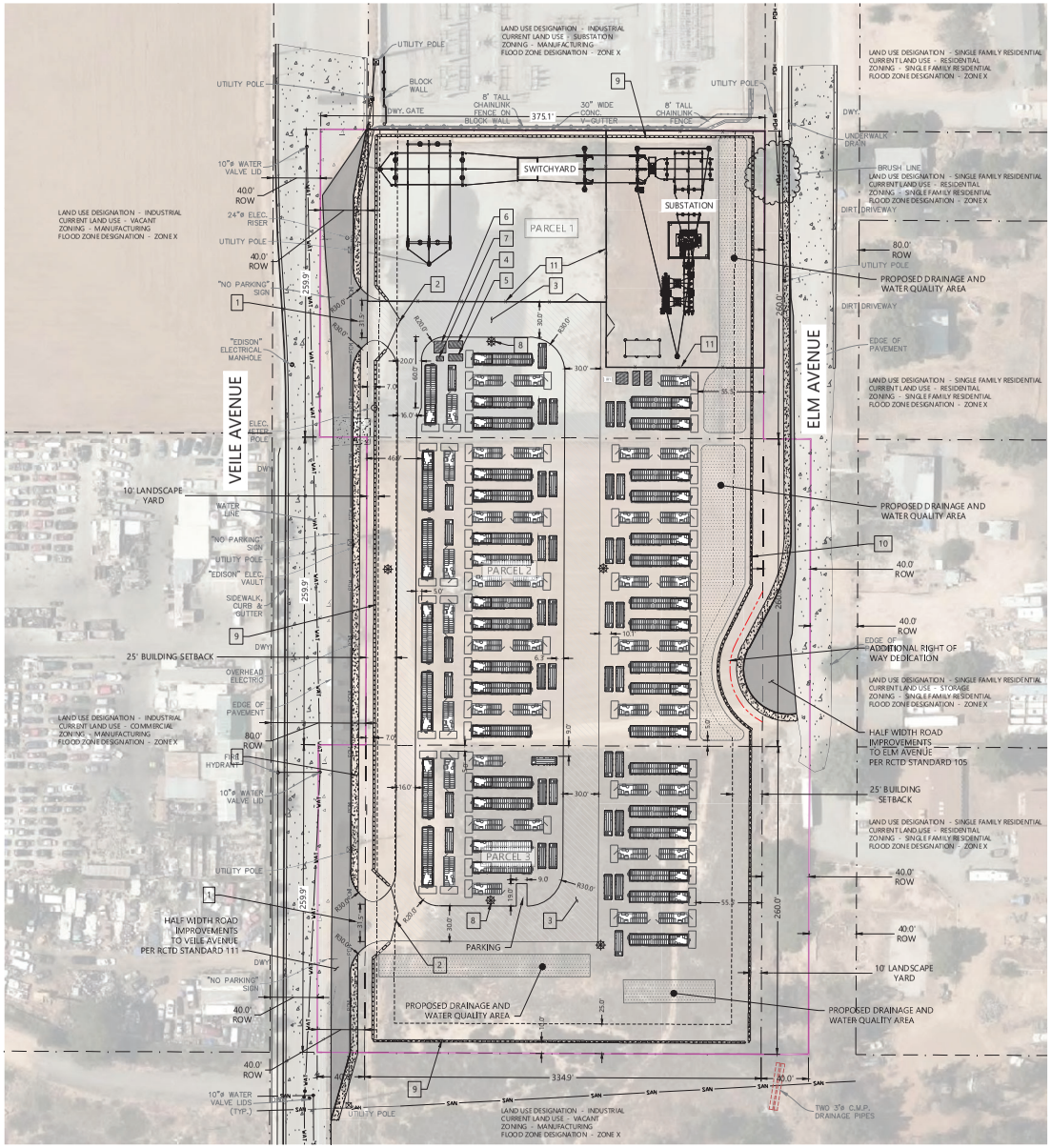
7	10/01/21	PLAN UPDATE

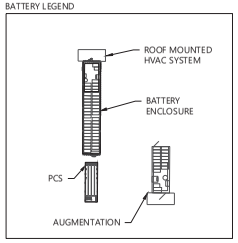
Beaumont Battery Energy Project
City of Beaumont, CA

COVER SHEET

DATE: 10/01/2021
SHEET: 1



BATTERY LEGEND



LEGEND:

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- PARCEL LINES
- EASEMENT LINES
- EX. TREELINE
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- EX. FENCE
- EX. FIBER OPTIC LINE
- EX. GAS PIPELINE
- EX. UNDERGROUND POWER
- EX. OVERHEAD POWER
- EX. TELEPHONE LINE
- PROPOSED DRAINAGE POND AREA
- PROPOSED PAVED ACCESS ROAD
- PROPOSED BATTERY CONTAINER & PCS
- PROPOSED SETBACK BOUNDARY
- PROPOSED EXTERIOR LIGHT

1. COMMERCIAL DRIVEWAY CONNECTION
2. PROPOSED GATE WITH KNOX BOX FOR FIRE AND SITE ACCESS
3. PROPOSED PAVED PRIVATE DRIVEWAY & FIRE LANE
4. PROPOSED SWITCH GEAR
5. PROPOSED SWITCH BOARD
6. PROPOSED TRANSFORMER
7. PROPOSED JUNCTION BOX
8. PROPOSED 20' LIGHT POLE
9. PROPOSED 8' WALL
10. PROPOSED 8' WALL W/1' BERM (9' TOTAL HEIGHT)
11. PROPOSED 6' CHAIN LINK FENCE

SITE INFORMATION	
ASSESSORS PARCEL NUMBER	
PARCEL 1	APN 417-110-012
PARCEL 2	APN 417-130-012
PARCEL 3	APN 417-130-005
SITE LOCATION	248 VEILE AVENUE
CITY JURISDICTION	CITY OF BEAUMONT, CALIFORNIA
TOTAL SITE AREA	6.95 ACRES
PARCEL 1	2.24 ACRES
PARCEL 2	2.24 ACRES
PARCEL 3	2.48 ACRES
TOTAL PROPOSED LANDSCAPING	0.24 ACRES
LAND USE DESIGNATION	INDUSTRIAL
ZONING DESIGNATION	M (MANUFACTURING)
PROPOSED ZONING	M (MANUFACTURING)
EXISTING USE	VACANT
BUILDING SETBACK	
FRONT	25'
REAR	20' PLUS 2' FOR EVERY FOOT OVER 35'
SIDE	0'
LANDSCAPE SETBACK	10' (RIGHT OF WAY)
TOTAL PARKING STALLS REQUIRED	0
TOTAL PARKING STALLS PROVIDED	0

NOTES

1. IT IS RECOGNIZED THAT IMPLEMENTATION OF THIS PROJECT WILL OCCUR IN PHASES OVER TIME AND THAT BUILDING OR OTHER CONSTRUCTION PERMITS MAY BE SUBMITTED FOR APPROVED PROJECT COMPONENTS IN PHASES.
2. IT IS ACKNOWLEDGED THAT THE APPLICANT HAS NOT YET SELECTED THE PROJECT EQUIPMENT SUPPLIERS AND THEREFORE THE NUMBER OF EQUIPMENT UNITS, DIMENSIONS AND LAYOUT WILL NOT BE ESTABLISHED UNTIL BUILDING PERMITS ARE FINALIZED. PROJECT EQUIPMENT SHALL BE LOCATED WITHIN THE IMPROVED PROJECT FOOTPRINT IN THE APPROVED SITE PLAN AND SHALL COMPLY WITH ALL PROVISIONS IN THE CITY OF BEAUMONT MUNICIPAL CODE, INCLUDING THE PROJECT DETAILS IN THE CONDITIONS OF APPROVAL.
3. SITE AREAS, OTHER THAN ACCESS ROADS, LANDSCAPE, AND BIO RETENTION, WILL BE GRAVEL.

Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

CHRISTOPHER J. CARON — C75223 — CIVIL — STATE OF CALIFORNIA

10-1-21

PREPARED FOR:

TERRA-GEN

DBA BEAUMONT ESS, LLC
11455 El Camino Real Suite 160
San Diego, CA 92130

REVISIONS

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7	10/01/21	PLAN UPDATE

0' 50' 100' 150'

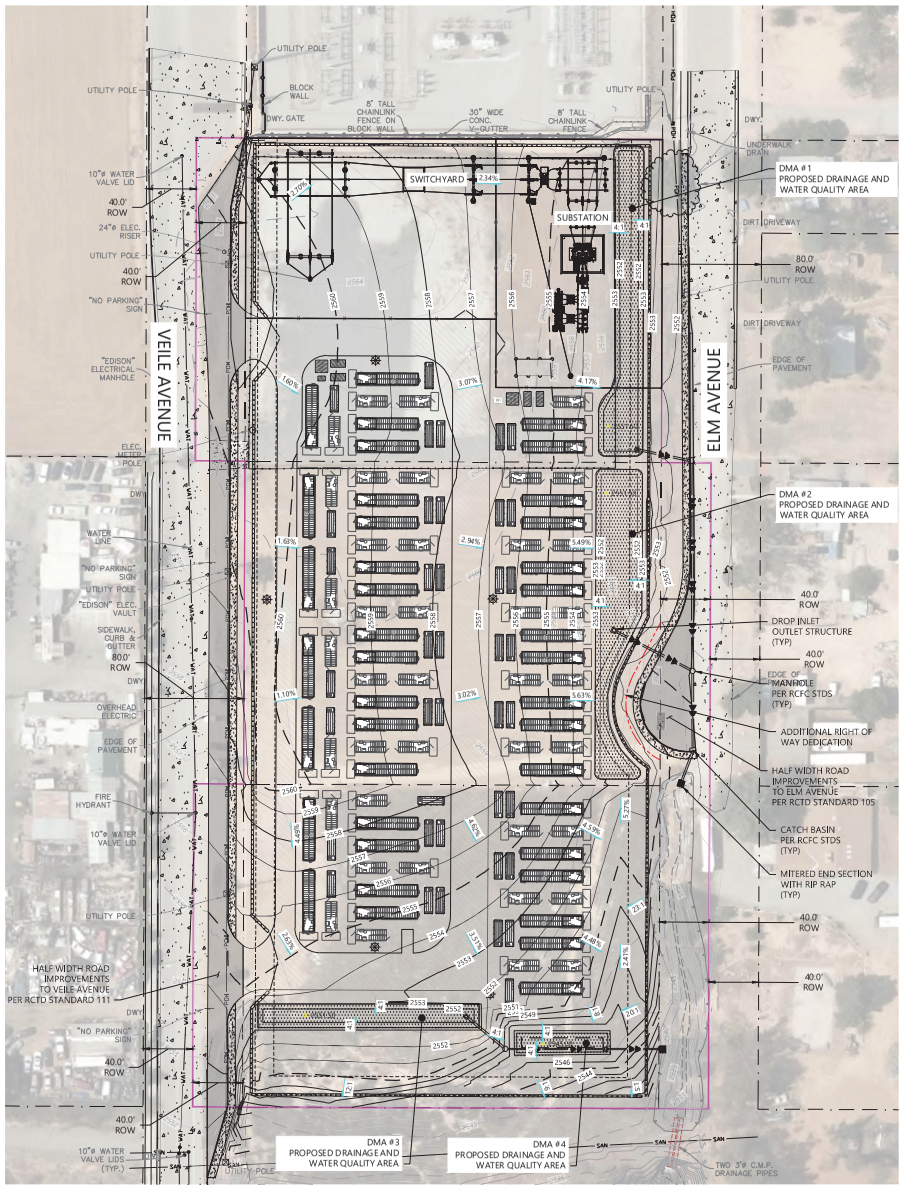
Beaumont Battery Energy Project

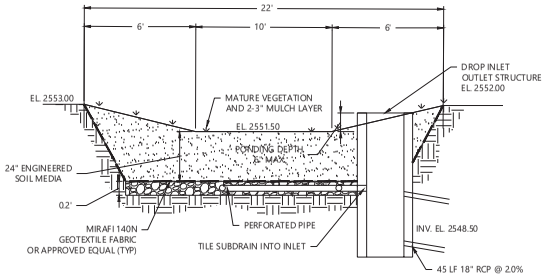
City of Beaumont, CA

PRELIMINARY SITE PLAN

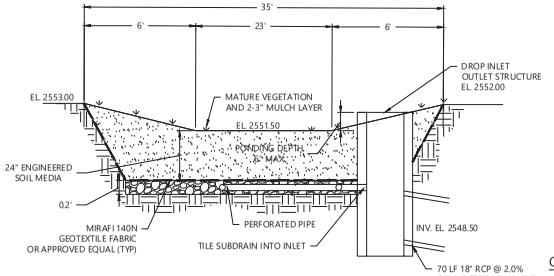
DATE: 10/01/2021

SHEET: 2

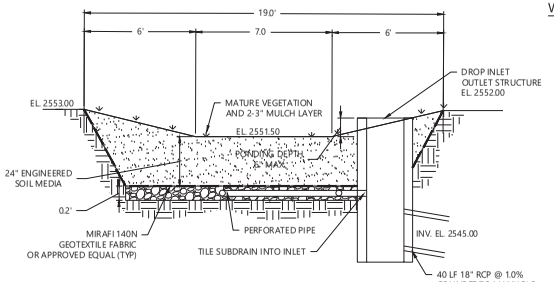




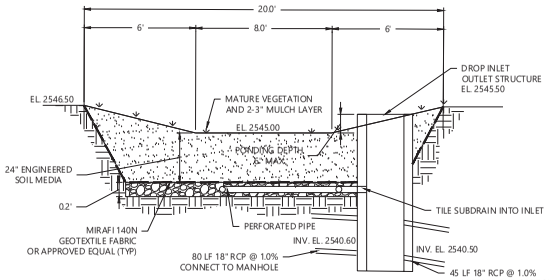
DMA #1 WATER QUALITY DETAIL



DMA #2 WATER QUALITY DETAIL



DMA #3 WATER QUALITY DETAIL

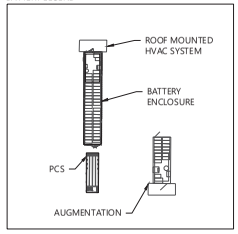


DMA #4 WATER QUALITY DETAIL

LEGEND:

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- PARCEL LINES
- EASEMENT LINES
- EX. TREELINE
- EX. PAVED ROAD
- PROPOSED PAVED ACCESS ROAD
- PROPOSED DRAINAGE POND AREA
- PROPOSED SETBACK BOUNDARY
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR

BATTERY LEGEND



GENERAL NOTES

1. NO LANDS IN THE SUBJECT PARCELS ARE SUBJECT TO OVERFLOW, INUNDATIONS OR FLOOD HAZARDS.

WATER QUALITY NOTES

1. WATER QUALITY WILL BE PROVIDED IN ACCORDANCE WITH SANTA ANA WATERSHED DESIGN REQUIREMENTS.
2. WATER QUALITY AREAS ARE CONCEPTUAL AND WILL BE UPDATED DURING FINAL DESIGN.
3. CONCEPTUAL DESIGN SUMMARY.

DMA #1
AREA = 1.93 ACRES
REQUIRED CAPTURE VOLUME = 1,837 CF
PROVIDED CAPTURE VOLUME = 1,838 CF

DMA #2
AREA = 1.82 ACRES
REQUIRED CAPTURE VOLUME = 2,171 CF
PROVIDED CAPTURE VOLUME = 2,172 CF

DMA #3
AREA = 1.06 ACRES
REQUIRED CAPTURE VOLUME = 361 CF
PROVIDED CAPTURE VOLUME = 362 CF

DMA #4
AREA = 0.75 ACRES
REQUIRED CAPTURE VOLUME = 195 CF
PROVIDED CAPTURE VOLUME = 196CF

PRELIMINARY EARTHWORK QUANTITIES	
CUT	24,000 CU YD
FILL	2,000 CU YD
GRAVEL IMPORT	3,500 CU YD
EXPORT	22,000 CU YD

Westwood
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Minnetonka, MN 55343
westwoodps.com
Westwood Professional Services, Inc.

CHRISTOPHER J. GRAHAM
No. C75223
CIVIL
STATE OF CALIFORNIA
10-1-21

PREPARED FOR:

TERRA-GEN

DBA BEAUMONT ESS, LLC
11455 El Camino Real Suite 160
San Diego, CA 92130

REVISIONS

#	DATE	COMMENT
1	04/13/21	CITY COMMENTS
2	05/27/21	CITY COMMENTS
3	06/08/21	CITY COMMENTS
4	07/21/21	PWQMP COMMENTS
5	08/23/21	PLAN UPDATE
6	09/17/21	PLAN UPDATE
7	10/01/21	PLAN UPDATE

0' 50' 100' 150'

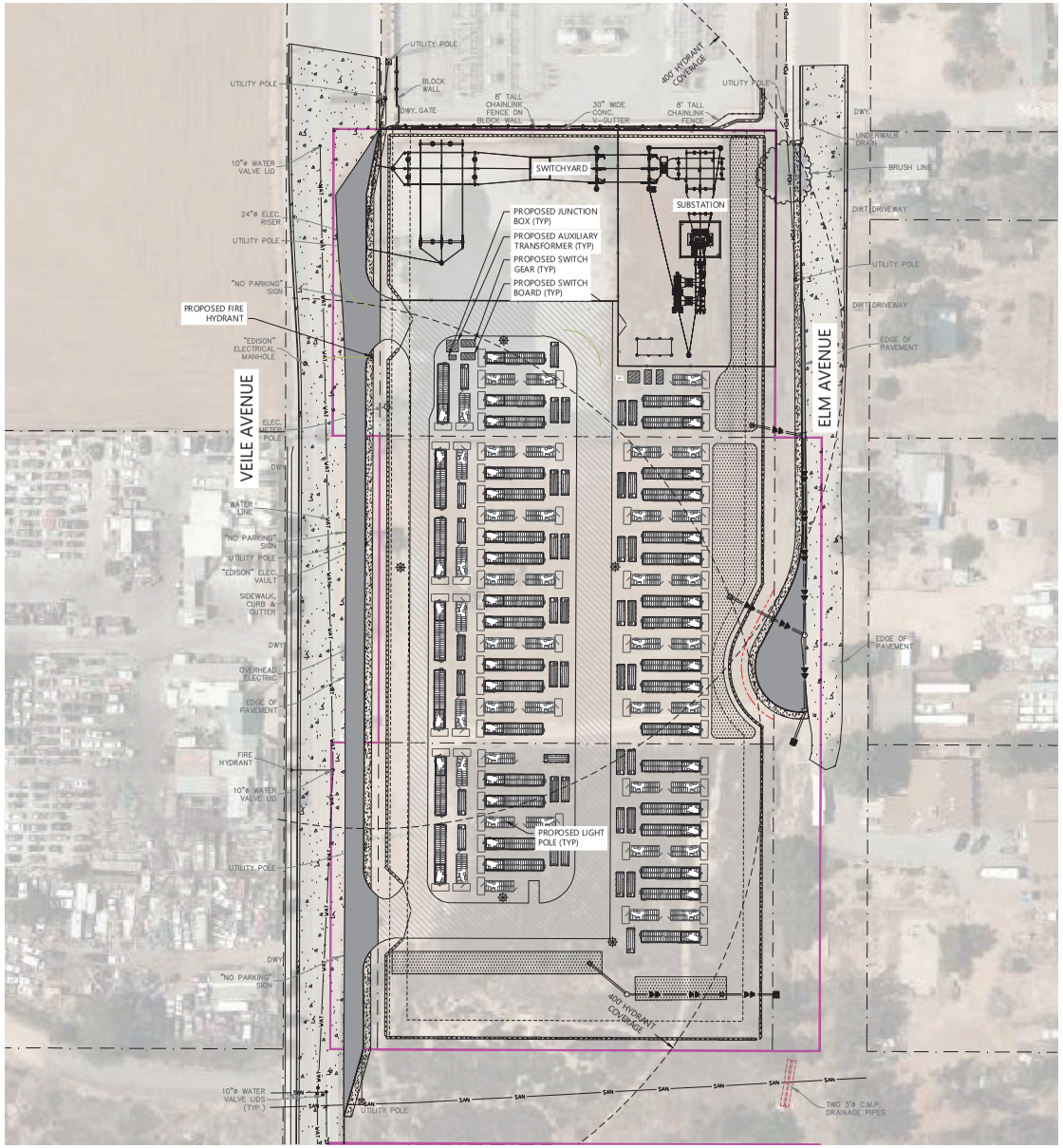
Beaumont Battery Energy Project

City of Beaumont, CA

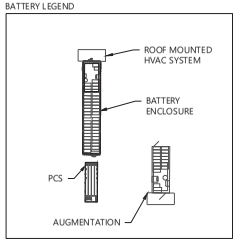
PRELIMINARY GRADING PLAN

DATE: 10/01/2021

SHEET: 3



BATTERY LEGEND



LEGEND:

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- PARCEL LINES
- EASEMENT LINES
- EX. TREELINE
- EX. PAVED ROAD
- EX. FENCE
- FO — EX. FIBER OPTIC LINE
- GAS — EX. GAS PIPELINE
- PUG — EX. UNDERGROUND POWER
- POH — EX. OVERHEAD POWER
- TUG — EX. TELEPHONE LINE
- PROPOSED PAVED ACCESS ROAD
- PROPOSED BATTERY CONTAINER & PCS
- PROPOSED SETBACK BOUNDARY
- PROPOSED EXTERIOR LIGHT

UTILITY PROVIDERS

STORM:	CITY OF BEAUMONT (951-769-8522)
	RIVERSIDE COUNTY FLOOD CONTROL (951-955-1200)
WATER:	BEAUMONT-CHERRY VALLEY WATER DISTRICT (951-845-9581)
SEWER:	CITY OF BEAUMONT (951-769-8520)
GAS:	SOCAL GAS COMPANY (800-427-2200)
ELECTRIC:	SOUTHERN CALIFORNIA EDISON (800-655-4555)

Westwood

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Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. CARDA
C75322
EXP. 12-31-21
CIVIL
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7	10/01/21	PLAN UPDATE

0' 50' 100' 150'

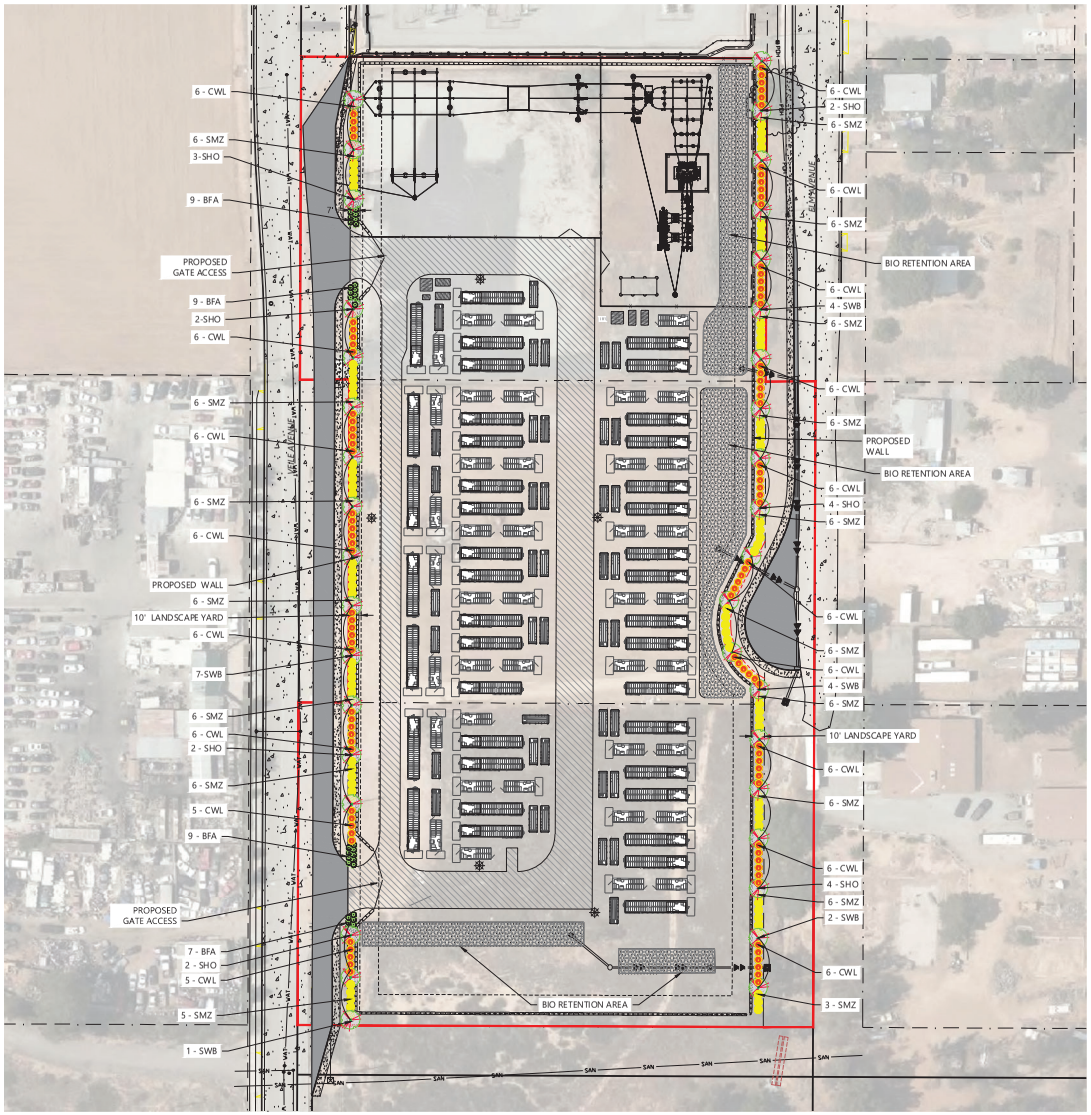
Beaumont Battery Energy Project

City of Beaumont, CA

PRELIMINARY UTILITY PLAN

DATE: 10/01/2021

SHEET: 4



Vegetative Screening Plant Schedule

ESTIMATED QUANTITY		COMMON/BOTANICAL NAME	WUCOLS III CLIMATE ZONE	SIZE	SPACING O.C.	MATURE SIZE H	MATURE SIZE W
DECIDUOUS TREES							
18	SWB	Sweet Bay / Laurus nobilis 'Saratoga'	4	#10 CONT.	AS SHOWN	12'-40'	12'-40'
19	SHO	Swan Hill Fruitless Olive Tree / Olea Europaea 'Swan Hill'	4	#10 CONT.	AS SHOWN	25'-30'	25'-30'
DECIDUOUS SHRUBS							
99	SMZ	Sonoma Manzanita / Arctostaphylos densiflora	4	#5 CONT.	7'-0" O.C. TYP.	5'-6'	7'
102	CWL	Concha California Wild Lilac / Ceanothus 'Concha'	4	#5 CONT.	7'-0" O.C. TYP.	3'-6'	3'-6'
ACCENT PLANTINGS			4				
36	BFA	Blue Flame Agave / Agave 'Blue Flame'	4	#5 CONT.	4'-0" O.C. TYP.	2'-3'	3'-4'

NOTES:
1. ALL QUANTITIES ARE PRELIMINARY ESTIMATES.
2. B.B. SPECIFIES ROOT TYPE AS BALLED AND BURLAPPED.
3. H.T. SPECIFIES MINIMUM SPECIMEN HEIGHT UPON INSTALLATION.
4. O.C. SPECIFIES ON-CENTER AND IS THE DISTANCE FROM THE CENTER OF ONE PLANT TRUNK OR STEM TO THE NEXT
5. #5 CONTAINER REFLECTS APPROXIMATE PLANT SIZE OF 24"-30" H OR 24"-30" W AT INSTALLATION.

A VARIETY OF SPECIES HAVE BEEN LISTED FOR SELECTION AND SHOULD BE USED TO INCREASE DIVERSITY ACROSS THE SITE. SHOULD THERE BE ISSUES IN FINDING ENOUGH PLANTS OF THE VARIOUS SPECIES CONTACT LANDSCAPE ARCHITECT FOR APPROVAL OF SUBSTITUTE SPECIES.

Requirements

THE PROPOSED COMMERCIAL BATTERY STORAGE PROJECT SHALL COMPLY WITH THE REGULATIONS OUTLINED IN THE BEAUMONT CITY CODE AND SHALL MEET THE FOLLOWING STANDARDS:

13. PLANTING PLANS SHALL BE PREPARED AND HAVE ACCURATE AND COMPLETE WATER BUDGET CALCULATIONS USING ONE MAWA FOR THE ENTIRE PROJECT AND ONE EAWU FORMULA FOR EACH HYDROZONE:

a. MAXIMUM APPLIED WATER ALLOWANCE (MAWA): PLANTING PLANS SHALL BE PREPARED USING THE FOLLOWING WATER BUDGET: FORMULA FOR PROJECTS SERVICED BY POTABLE WATER SOURCES AND REQUIRED NOT TO EXCEED 50 PERCENT OR 0.50 ETO:
MAWA (IN GALLONS) = (ETO)(0.62)[0.5 × LA+0.5 × SLA]
FORMULA FOR PROJECTS SERVICED ENTIRELY BY RECYCLED WATER SOURCES AND REQUIRED NOT TO EXCEED 70% OR 0.70 ETO:
MAWA (IN GALLONS) = (ETO)(0.62)[0.7 × LA+0.3 × SLA]
WHERE:
ETO IS REFERENCE EVAPOTRANSPIRATION, LOCAL TO THE PROJECT;
SLA IS THE AMOUNT OF SPECIAL LANDSCAPE AREA IN SQUARE FEET;
LA IS TOTAL LANDSCAPE AREA (INCLUDING THE SLA) IN SQUARE FEET; AND
FOR THE PURPOSES OF DETERMINING THE MAWA, AVERAGE IRRIGATION EFFICIENCY IS ASSUMED TO BE 0.71. IRRIGATION SYSTEMS SHALL BE DESIGNED, MAINTAINED, AND MANAGED TO MEET OR EXCEED AN AVERAGE IRRIGATION EFFICIENCY OF 0.71.

b. ESTIMATED ANNUAL WATER USE (EAWU): EAWU FOR A GIVEN HYDROZONE IS CALCULATED AS FOLLOWS:
EAWU (IN GALLONS) = (ETO)(0.62)[(PF × HA)/IE) + SLA]
WHERE:
ETO IS REFERENCE EVAPOTRANSPIRATION;
PF IS PLANT FACTOR;
HA IS HYDROZONE AREA IN SQUARE FEET;
IE IS IRRIGATION EFFICIENCY (MINIMUM 0.71);
SLA IS THE AMOUNT OF SPECIAL LANDSCAPE AREA IN SQUARE FEET;

c. LANDSCAPING PLANS SHALL PROVIDE EAWU (IN THE SAME UNITS AS THE MAWA) FOR THE SUM OF ALL VALVE CIRCUITS IN THE IRRIGATION HYDROZONE. THE SUM OF ALL EAWU HYDROZONE CALCULATIONS SHALL NOT EXCEED THE MAWA FOR THE PROJECT;

d. THE PLANT FACTOR USED SHALL BE FROM WUCOLS. THE PLANT FACTOR FOR LOW WATER USE PLANTS RANGE FROM 0 TO 0.39, FOR MODERATE WATER USE PLANTS RANGE FROM 0.4 TO 0.6, AND FOR HIGH WATER USE PLANTS RANGE FROM 0.61 TO 1.0.

e. THE PLANT FACTOR CALCULATION IS BASED ON THE PROPORTIONS OF THE RESPECTIVE PLANT WATER USES AND THEIR PLANT FACTOR, OR THE FACTOR OF THE HIGHER WATER USING PLANT USED.

f. THE SURFACE AREA OF A WATER FEATURE SHALL BE INCLUDED IN THE HIGH WATER USE HYDROZONE AREA OF THE WATER BUDGET CALCULATION AND TEMPORARILY IRRIGATED AREAS IN THE LOW WATER USE HYDROZONE.

g. LANDSCAPE CONCEPT PLANS NOT FOR CONSTRUCTION SHALL BE REQUIRED TO PROVIDE A COMPLETE AND ACCURATE MAWA CALCULATION ONLY.

18. PER BEAUMONT MUNICIPAL CODE, SECTION 17.06.040.C.

1. THE REQUIRED FRONT YARD AND REQUIRED SIDE YARD ON THE STREET SIDE OF A CORNER LOT, EXCEPT FOR THE AREA OCCUPIED BY NECESSARY DRIVEWAYS AND WALKWAYS, SHALL BE LANDSCAPED WITH TREES AND OTHER PLANT MATERIALS. THE PRELIMINARY LANDSCAPE PLANS DO NOT INCLUDE ANY TREES. PLEASE REVISE ON EAST AND WEST PORTIONS OF THE PROJECT SITE.
2. LANDSCAPING WITHIN REQUIRED SETBACK ADJACENT TO THE PUBLIC RIGHT-OF-WAY SHALL BE PROVIDED AND MAINTAINED, SUBJECT TO THE FOLLOWING CONDITIONS:
   a. A DISTINCT DEMARCATION BETWEEN ASPHALT PAVING AND LANDSCAPED AREA SHALL BE PROVIDED.
   b. AT LEAST ONE-THIRD OF THE TOTAL LANDSCAPED AREA SHALL BE PROVIDED BY TREES, SHRUBS, AND OTHER PLANT MATERIAL.
3. AN AUTOMATIC IRRIGATION SYSTEM FOR THE LANDSCAPED AREA SHALL BE PROVIDED.
4. NO OTHER USAGE OR STORAGE IS PERMITTED WITHIN THE REQUIRED LANDSCAPED AREA.

19. PER BEAUMONT MUNICIPAL CODE, SECTION 17.06.040.D. LANDSCAPING USED FOR SCREENING.
THIS SECTION INDICATES THE REQUIREMENTS WITH RESPECT TO THE LANDSCAPING OF BUFFERS.

1. LANDSCAPED BUFFERS FOR INDUSTRIAL USES. A LANDSCAPED BUFFER SHALL BE PROVIDED ALONG THE BOUNDARY OF ALL INDUSTRIALLY ZONED PROPERTY WHERE IT ABUTS A RESIDENTIAL OR COMMERCIAL ZONE.
2. WALLS. WHERE A BERM IS PROVIDED, A THREE TO SIX-FOOT-HIGH MASONRY WALL IS ALLOWED AT THE SETBACK LINE WITH A BERM TO ADD TO ITS HEIGHT.

Water Budget Calculations

PROJECT SERVICED BY POTABLE WATER SOURCES
MAXIMUM APPLIED WATER ALLOWANCE (MAWA):
MAWA (IN GALLONS) =(ETO)(0.62)[0.5 × LA+0.5 × SLA]

ETO: 56.37
LA: 9,920.79 SF
SLA: 0 SF

MAWA: 173,362.83 Gal

ESTIMATED ANNUAL WATER USE (EAWU):
EAWU (IN GALLONS) = (ETO)(0.62)[(PF × HA)/IE) + SLA]

ETO: 56.37
PF: 0.2 (LOW)
HA: 9,920.79 SF
IE: 0.71
SLA: 0 SF

EAWU Sub-Total: 97,669.20 Gal
EAWU Total: 114,904.94 Gal

Native Seeding Legend

BASIN SEED MIX (TYP.)
SEED MIX WILL BE PROVIDED WITH FINAL PLANS
TOTAL AREA (0.42 AC)

Notes

1. PLANS SHALL COMPLY WITH PROVISIONS IN SECTION 18.12 OF ORDINANCE NO. 348.
2. "I AGREE TO COMPLY WITH THE REQUIREMENTS OF ORDINANCE NO. 859 AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE."
3. ALL PLANTING AREAS ARE TO HAVE A MINIMUM OF 3" SHREDDED HARDWOOD MULCH
4. ALL SPECIES WERE SELECTED TO REQUIRE LOW WATER NEEDS IN WUCOLS III REGION 4, SUNSET ZONE 18.

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0' 50' 100' 150'

Beaumont Battery Energy Project

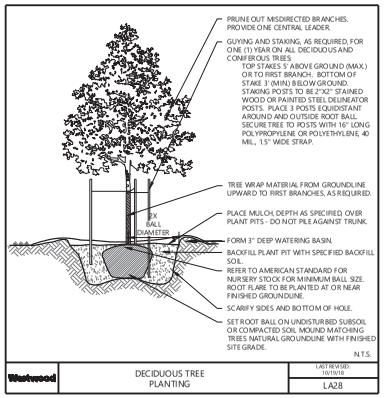
City of Beaumont, CA

PRELIMINARY LANDSCAPE PLAN

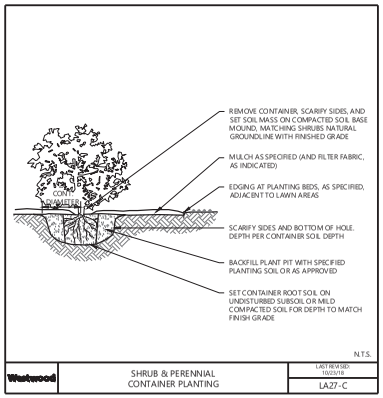
DATE: 10/01/2021

SHEET: 5

Planting Details



Westwood	DECIDUOUS TREE PLANTING	LAST REVISED: 10/19/18 LA28



Westwood	SHRUB & PERENNIAL CONTAINER PLANTING	LAST REVISED: 10/23/18 LA27-C

Vegetative Screening Plant Materials

Sonoma Manzanita



Concha California Wild Lilac



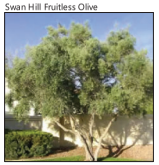
Blue Flame Agave



Sweet Bay



Swan Hill Fruitless Olive



Solar Ordinance - Screening Requirements

1. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AT 811 OR 800-422-4133 TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL.

2. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.

3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.

4. ALL SUBSTITUTIONS MUST BE APPROVED BY THE OWNER PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.

5. CONTRACTOR SHALL PROVIDE ONE YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.

6. ALL PLANTS TO BE SPECIMEN GRADE, CALIFORNIA-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
   ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.
   ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.
   ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
   ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING.
   CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.

7. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.

8. PLANTS TO BE INSTALLED AS PER ANSI STANDARD PLANTING PRACTICES.

9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY, TEMPORARY ONLY.

10. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.

11. REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.

12. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.

13. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY OWNER FOR THE NEED OF ANY SOIL AMENDMENTS.

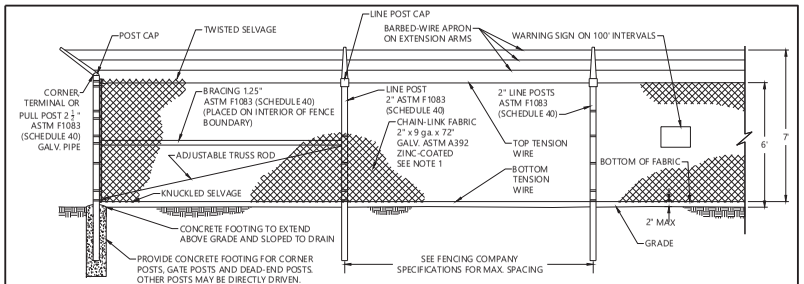
14. BACKFILL SOIL AND TOPSOIL TO BE EXISTING TOP SOIL FROM SITE FREE OF ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, AND LARGE WEEDS UNLESS SPECIFIED OTHERWISE. MINIMUM 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS.

15. PROVIDE MULCH FOR ALL TREE AND SHRUB PLANTINGS PER DETAIL. MULCH TO BE SHREDDED HARDWOOD AND FREE OF DELETERIOUS MATERIAL. MULCH 3' DIAMETER RING AROUND ALL TREES AND SHRUBS TO A DEPTH OF 4". KEEP MULCH OFF TRUNK.

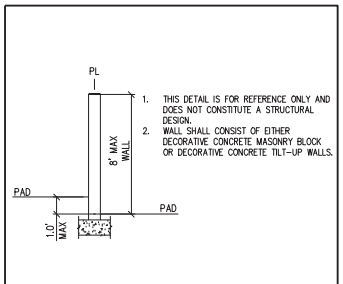
16. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.

17. REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.

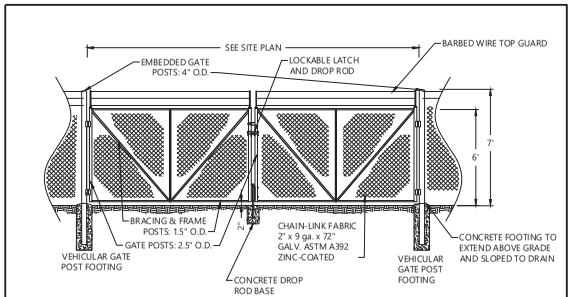
18. REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.



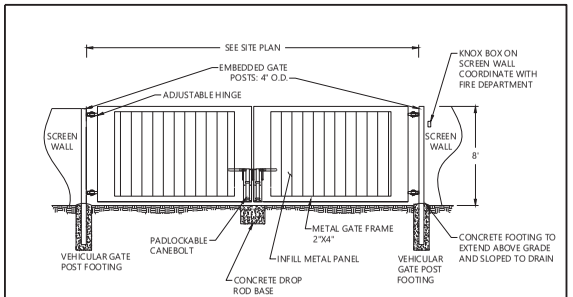
Westwood	CHAIN-LINK SECURITY FENCE DETAIL (NOT TO SCALE)	



Westwood	CMU BLOCK SCREEN WALL (NOT TO SCALE)	



Westwood	INTERIOR SECURITY SWING GATE (NOT TO SCALE)	



Westwood	PERIMETER SECURITY SWING GATE (NOT TO SCALE)	

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CHRISTOPHER J. GARDNER — No. 23222 — CIVIL — STATE OF CALIFORNIA
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2	05/27/21	CITY COMMENTS
3	06/08/21	CITY COMMENTS
4	07/21/21	PWQMP COMMENTS
5	08/23/21	PLAN UPDATE
6	09/17/21	PLAN UPDATE
7	10/01/21	PLAN UPDATE

Beaumont Battery Energy Project

City of Beaumont, CA

PRELIMINARY LANDSCAPE PLAN - NOTES AND DETAILS

DATE: 10/01/2021

SHEET: 6

Appendix 3: Soils Information

Geotechnical Study and Other Infiltration Testing Data

Geotechnical Investigation Report

Beaumont Energy Storage

Battery Energy Storage System

Riverside County, CA

April 21, 2021

PREPARED FOR:

TERRA-GEN

PREPARED BY:

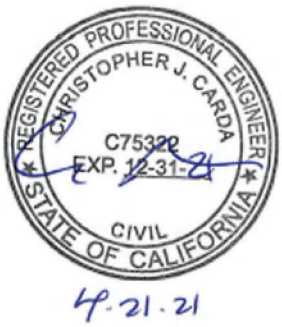
Westwood

Westwood

Geotechnical Investigation Report

Beaumont Energy Storage

Riverside County, CA



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Date: April 21, 2021

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Executive Summary

Westwood Professional Services (Westwood) is pleased to present this geotechnical investigation report to Terra-Gen, LLC for the proposed Beaumont Energy Storage Project (Project) located in Beaumont, California. The project area is located within a vacant 7 acre lot, a portion of which is a fenced in gravel area. An existing substation is located to the north.

The scope of work for this investigation included subsurface exploration, field and laboratory testing, engineering analysis, and preparation of this report. The geotechnical investigation has revealed no subsurface conditions that would preclude development of the proposed battery energy facility.

The project site is located within a seismically active area of California, with one mapped fault located within the boundary of the project site. The site does not lie within an Alquist-Priolo fault zone, where surface rupture may be expected. There are several additional active faults and seismic zones within the vicinity of the project site, and several magnitude 4.0+ earthquakes have occurred within the last 50 years that would have likely been felt at the project site. The design of structures on site should account for seismic loads in accordance with the California Building Code.

Based on the information obtained from five soil borings performed on site to a maximum depth of 41.5 feet, the subsurface conditions predominately consist of medium dense to dense sand with variable amounts of silt and clay. Interbedded layers of very stiff lean to fat clay and silt were also encountered at various depths on site. All borings reached their target depths of 25 ft to 40 ft without refusal. Groundwater was not encountered in any of the borings.

Shallow spread footings and pad/mat foundations shall bear a minimum 1 foot below the ground surface on properly prepared native sandy material. The design of large slab-on-grade equipment foundations (i.e., 10 to 20 feet wide) may use a maximum allowable gross bearing capacity of 4,000 psf, and strip footing foundations (i.e., 4 feet wide) may use a maximum allowable gross bearing capacity of 3,000 psf. Deep foundations, such as drilled piers or shafts, may also be used to support project structures.

This executive summary should be read in the context of the entire report for a full understanding of the conclusions and recommendations.

1.0 Introduction

This report presents the findings of the geotechnical investigation conducted by Westwood Professional Services, Inc. (Westwood) for the proposed Beaumont Energy Storage Project (Project). The project will consist of battery storage containers and the associated civil and electrical infrastructure. The primary focuses of this report are earthwork considerations, access roads, and foundations for the battery storage equipment. The services provided by Westwood were in general conformance with the scope of work and assumptions outlined in our proposal, dated December 8, 2020. This report is intended for exclusive use by Terra-Gen to support foundation, civil, and electrical design efforts for the proposed Beaumont Energy Storage Project.

The proposed project is located in Riverside County, California. The project area (Exhibit 1) is located within a vacant 7 acre lot containing a fenced in gravel lot and undeveloped grassland. The project site is adjacent to an existing substation. The topography of the project area is generally flat, although the eastern portion of the site slopes slightly downward and the northern portion of the site lies several feet above the adjacent road elevation.

2.0 Methods

A geotechnical exploration program consisting of soil borings and laboratory testing was performed by Westwood. Choice Drilling (Choice) of Pacoima, CA was retained by Westwood to perform soil borings with standard penetration tests (SPT). Westwood performed laboratory index testing and Soil Engineering Testing (SET) of Bloomington, MN performed thermal resistivity testing. A Westwood geotechnical representative coordinated the field work and laboratory testing, logged the soil borings, performed electrical resistivity tests, and prepared this report. The geotechnical field investigation was performed on December 14, 2020, and consisted of the following:

- Conducting soil borings with SPT sampling at four locations (B-01 through B-04) to target depths of 25 ft, and at one location (B-05) to a target depth of 40 ft below ground surface (bgs), or auger refusal, whichever was shallower.
- Classifying and collecting soil samples from the soil borings for laboratory testing.
- Conducting an electrical resistivity test at one location.

Geotechnical test locations are shown on Exhibit 1. Test locations were selected by Westwood after a review of the site accessibility, proposed layout, and local geologic mapping to provide spatial coverage of the proposed site and cover the anticipated subsurface variation. All test locations were surveyed and staked by a Westwood representative with a hand-held GPS, and as-built coordinates are provided on the associated boring logs (Appendix A) and electrical resistivity test reports (Appendix B).

Soil Borings

Soil borings were drilled using hollow stem auger drilling techniques, and soil samples were obtained using an automatic hammer and split-spoon samplers in general accordance with ASTM D1586 (Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils). Standard penetration test (SPT) N-values are recorded on boring logs. In general, soil samples were collected every 2.5 feet in the upper 15 feet and at 5-foot intervals thereafter to the explored depth. A Westwood geotechnical representative logged the borings and collected the soil samples. A bulk soil sample as also collected

from shallow auger cuttings for laboratory testing. Soil samples were shipped to Westwood and SET for testing at their geotechnical laboratories. Soil boring logs are included in Appendix A.

Laboratory Testing

Laboratory tests were conducted on representative soil samples to aid in classification and evaluation of the physical properties and engineering characteristics of the material. Soil and bulk samples were sent to Westwood and SET, which included the following:

- Moisture content (ASTM D2216)
- Sieve analysis (ASTM D422 and D1140)
- Atterberg limits (ASTM D4318)
- Modified Proctor moisture-density relationship (ASTM D1557)
- pH (ASTM D4972)
- Sulfates (ASTM C1580)
- Chlorides (ASTM D512)
- Thermal resistivity with dry-out curves (ASTM D5334)

A bulk sample collected for thermal resistivity tests were prepared near the as-received moisture contents and compacted to 90% of the modified Proctor maximum dry density (MDD), representing the compaction conditions typical of a backfilled utility trench, and subsequently dried out to zero moisture. Thermal resistivity measurements were taken at the compacted moisture content, zero moisture, and at several intermediate moisture contents during drying. Results of the thermal resistivity tests are included in Appendix C, along with a summary of laboratory testing results.

Electrical Resistivity Testing

Electrical resistivity measurements were taken at one test location, as shown on Figure 1, and collected using the Wenner Four-Electrode Method and an AEMC Instruments Model 6470-B Multi-Function Digital Ground Resistance Tester, in general accordance with ASTM G57. Resistivity tests were performed along a northeast-southwest transect due to site constraints, at electrode spacings of 2, 4, 6, 8, 10, 20, 30, 50, and 100 feet, and a northwest-southeast transect at electrode spacings of 2, 4, 6, 8, 10, 20, 30, 50, and 80 feet. Electrical resistivity generally varies with material type and moisture content, and ranges on site between 3,640 ohm-cm (Ω-cm) and 22,020 Ω-cm. These observed values fall within the expected range for sand and clay mixtures (Palacky, 1987). Results of the electrical resistivity tests are presented in Appendix B.

Thermal Resistivity Testing

A thermal resistivity dry-out curve was developed for one shallow soil sample collected at boring B-05 between 2 and 5 feet during the geotechnical field investigation. Thermal resistivity generally varies with soil type and moisture content and ranged on site from 76 °C·cm/W (as-received) to 172 °C·cm/W (dry). Results of the thermal resistivity tests are included in Appendix C. The underground cable designer shall choose an appropriate thermal resistivity (rho) value for trench backfill with consideration for soil drying due to environmental factors as well as cable heat generation.

3.0 Site Conditions

Regional Geology and Climate

The Beaumont Energy Storage Project is located within the Los Angeles Ranges Physiographic Section of the Pacific Border Province, which is part of the greater Pacific Mountain System Division (USGS, 2013). This section encompasses the San Gabriel Mountain Range which spans north and west of Los Angeles to Santa Clarita, north and east to Palmdale, east to Victorville, and finally south to Rancho Cucamonga. The Pacific Border Province can be divided into two distinct topographical areas, consisting of the lowlands and the mountains (NPS, 2021). One set of mountains is the California Coast Ranges. These mountains consist mostly of Cretaceous sedimentary and metamorphic rocks as well as Mesozoic granitic intrusions and have been deformed by ongoing faulting, including the well-known San Andreas Fault Zone (NPS, 2021).

Based on Web Soil Survey data available through the United States Department of Agriculture, one major soil type exists across the site: Ramona sandy loam (USDA, 2021). The parent material of this soil unit is alluvium derived from granite. The Ramona sandy loam classifies as silty sand (SM) to clayey sand (SC) and is well drained. Mapped Soil Survey units are shown in Exhibit 3.

According to the Geologic Map of California, the project area is mapped as older Quaternary alluvium and marine deposits (Jennings et al., 2010). This geologic unit consists mostly of older alluvium, lake, playa, and terrace deposits; is unconsolidated; and dates to the Pleistocene epoch (Jennings et al., 2010). Geologic units are shown in Exhibit 4.

The project area falls within the “Mediterranean” climate zone (Csa), as defined by the Köppen climate classification (Geiger, 1954). This climate is characterized by warm and dry summers, followed by rainy and mild winters that still contain many sunny days (Arnfield, 2021).

Seismicity

Riverside County, and the project site specifically, is at high risk for seismic activity, as demonstrated by nearby seismic events that have occurred in the past 50 years, as shown in Exhibit 5. In the past 50 years, there have been greater than 30 earthquake events greater than 4.0 magnitude (and over 1,500 greater than 2.5 magnitude) within about 20 miles of the project area (USGS, 2021b). The largest earthquake in the vicinity was a magnitude 4.9 event in 2005 that occurred about 9 miles north of the project area (USGS, 2021b). The most recent event (greater than magnitude 4.0) was a magnitude 4.5 event in May 2018 that occurred about 14 miles northeast of the project area (USGS, 2021b).

There are several quaternary faults mapped by the USGS that are within or in the near vicinity of the project area, as shown in Exhibit 5. The nearest is the Beaumont Plain fault zone, which runs nearly through the project site (USGS, 2021a). The San Gorgonio Pass fault zone and Banning fault are located about 3 to 4 miles north of the project site, while the San Andreas fault zone is located about 9 miles north to northeast (USGS, 2018). The project area is not mapped within a zone which requires additional seismic study by the California Building Code (i.e., Alquist-Priolo earthquake fault zone), as shown on Exhibit 6 (CGS, 2010; ICC, 2019). Liquefaction potential is considered low considering the depth to groundwater and generally medium dense to dense nature of the sand encountered.

At the time of this report the State of California has adopted the 2019 California Building Code with amendments (ICC, 2019). The maximum considered earthquake spectral response accelerations presented in Table 3.1 below should be considered in design of site infrastructure (ATC, 2021).

Table 3.1 Seismic Design Parameters

Parameter	Design Value
Reference	2019 CBC
Site Class	D
Coordinates (Lat., Long.)	33.924480, -116.987610
Mapped Spectral Acceleration for Short (0.2 sec) Periods, S_s	1.647 g
Mapped Spectral Acceleration for 1-second Periods, S_1	0.6 g
Acceleration-Based Site Coefficient, F_a	1
Velocity-Based Site Coefficient, F_v	1.7*
Max. Considered Spectral Response Acceleration, S_{MS}	1.647 g
Max. Considered Spectral Response Acceleration, S_{M1}	1.02 g*
Design Spectral Response Acceleration (Short Periods), S_{DS}	1.098 g
Design Spectral Response Acceleration (1-second Period), S_{D1}	0.68 g*
Peak Ground Acceleration, PGA	0.679 g

*See requirements for site-specific ground motions in Section 11.4.8 of ASCE 7-16, or geophysical tests may be performed to measure shear wave velocities and confirm seismic site class.

Subsurface Stratigraphy

Based on the conditions encountered at the soil boring locations, the general stratigraphic units found across the site can be described as follows:

- **Fill: Poorly Graded Sand and Gravel (SP to GP).** The surface of the fenced-in gravel lot consists of up to 4 inches of sandy gravel fill.
- **Poorly Graded Sand w/Silt (and Gravel) (SP-SM), Silty Sand (SM), Clayey Sand (SC).** The majority of borings encountered sand with variable amounts of silt and clay. This unit is typically reddish to yellowish brown, dry to moist, and ranges from loose to dense.
- **Silt w/Sand, Sandy Silt (ML), Elastic Silt w/ Sand (MH), Lean Clay w/Sand, Sandy Lean Clay (CL), Sandy Fat Clay (CH).** Interbedded within the sand at various borings were layers of fine-grained silt, elastic silt, lean clay, and fat clay, with variable amounts of sand. These units are typically brown to reddish brown, damp to moist, and range from stiff to hard.

More detailed descriptions of the subsurface conditions are provided on the boring logs found in Appendix A.

Groundwater

Boreholes were observed during and shortly after drilling for the presence and level of groundwater. During the investigation, a static groundwater level was not observed at any borehole. Well data made publicly available through the California Department of Water Resources has mapped multiple wells in the vicinity of the project area. Static water levels (historic through present) in the nearby area generally

range from 15 feet bgs (at a well location about 1.5 miles west of the project area) to greater than 100 feet bgs (California Department of Water Resources, 2021); therefore, groundwater is not expected to impact foundations for the project infrastructure. Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff, and other factors not evident at the time the boring were performed; therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than those observed during the investigation. Refer to Sections 4.1.2 and 4.1.3 for recommendations regarding water ponding in excavations due to precipitation events.

4.0 Discussion and Recommendations

4.1 General Earthwork Considerations

4.1.1 Clearing and Grubbing

Prior to site grading activities, existing vegetation, brush, large roots, topsoil, old foundations, boulders, uncontrolled fill, and abandoned underground utilities should be removed from the proposed battery storage and electrical component areas, as well as areas to receive fill. Areas disturbed during clearing and grubbing should be properly backfilled and compacted as described in Sections 4.1.4 and 4.1.5.

Topsoil or organic material encountered should not be used for structural fill and shall be stockpiled away from native excavated soil. This material may be used as fill in non-structural areas outside of the proposed facilities area where soil strength and compressibility would not impact site infrastructure.

4.1.2 Excavation Safety

Overburden soil and fill at the site can be excavated with conventional excavation equipment, such as backhoes, excavators, dozers, loaders, or scrapers. Excavations should be constructed using safe side slopes unless adequately shored and/or braced as necessary for construction and safety. Per Occupational Safety and Health Administration (OSHA) Part 1926, the sandy soil at the site may generally be inferred to be a Type C soil although it is the responsibility of the competent field personnel to verify in-situ conditions during construction. Excavations should be constructed in conformance with applicable federal, state, and local standards.

4.1.3 Water Control

It is not anticipated that groundwater will accumulate in the excavations on site unless work is performed during a period of high precipitation; however, should any precipitation, ground water, or surface water collect in the excavations, the water should be removed prior to the placement of fill or foundations. Temporary sumps and pumps may be required to remove any collected water. The foundation subgrade should be inspected by the construction-phase geotechnical engineer, or their representative, after excavation and before placement of materials to verify water control.

4.1.4 Subgrade Preparation

After clearing and grubbing, exposed areas to receive fill, including the subgrade below foundation excavations and road aggregate, should be moisture conditioned as needed and compacted to 92% of the modified Proctor maximum dry density (ASTM D1557). The depth of subgrade compaction should extend at least 1 foot. Subgrade should also be inspected by the construction-phase geotechnical engineer, or their representative, to ensure adequate bearing capacity and water control. Foundations should not bear directly on loose sand, and where encountered, the subgrade should be re-compacted to a depth of 1 foot below the bearing elevation. Foundations should bear on a uniform sand or lean clay subgrade, and should not bear on fat clay, such as near B-03, due to swell potential. Where fat clay is encountered below shallow foundations, it should be over-excavated to a depth of at least 2 feet below foundation or 3 feet below grade, whichever is deeper, and backfilled with structural fill in accordance with Section 4.1.5. Foundation subgrade should also be inspected by the construction-phase geotechnical engineer, or their representative, to ensure adequate bearing material, strength, and water control.

Disturbance to subgrades prepared for foundations, access roads, and other areas to be filled should be minimized. Repeated traffic loading and excessive moisture due to precipitation may degrade subgrade soil. Where unsuitable subgrade, such as loose sand or soft clay, is encountered, the subgrade should be moisture conditioned and re-compacted as described above, or replaced with structural fill as discussed in Section 4.1.5.

4.1.5 Fill Placement and Compaction

The native sand encountered throughout the site may be used as general fill and may be suitable for backfilling around and above foundations, provided that all compaction requirements are met. Native sand used as structural fill or foundation backfill should be free of foreign debris, organics, frozen material, and particles or clods larger than 3 inches. Native silt or clay should not be used as structural fill below foundations. Structural fill below foundations should be moisture conditioned as needed and compacted to a minimum of 95% of the modified Proctor maximum dry density (ASTM D1557) in maximum 12-inch thick loose lifts.

Trenches may be backfilled using native material, provided that it is screened of particles or clods larger than 3/8” and moisture conditioned to near optimum moisture content and compacted to a minimum of 85% of the modified Proctor maximum dry density (ASTM D1557) in non-structural areas and 95% of the modified Proctor maximum dry density in structural areas (i.e., within 5 feet of foundations and below access roads).

4.1.6 Cut and Fill Slopes

Cut and fill slopes using native soil may be designed at an inclination of 4H:1V or flatter. Fill slopes should be constructed in horizontal lifts in accordance with the recommendations in Section 4.1.5. Appropriate erosion control measures (e.g., vegetation or erosion control matting) should be implemented immediately after cut and fill slopes are constructed to reduce the potential for erosion.

Steeper cut and fill slopes may be acceptable if adequate erosion control and/or reinforcement are utilized. Additional testing and/or analyses may be required for steeper slopes. Westwood should be consulted if steeper slopes are desired.

General Foundation Considerations

4.2.1 Frost Depth

Areas experiencing ground freezing conditions can be susceptible to frost heave. San Bernardino, California is expected to have less than 12 inches of extreme frost depth (Naval Facilities Engineering Command, 1986). Although frost heave is not expected to affect foundation design, foundations should bear a minimum of 12 inches below grade for adequate confinement and protection.

4.2.2 Soil Corrosivity

The chemical constituent test results indicate that the soil has a pH range of 6.9 to 7.4, which is considered neutral to slightly alkaline (NRCS, 1998). Soluble sulfates were measured to be less than 12.9 mg/kg, and soluble chlorides were measured to be as high as 82.3 mg/kg. Test results are presented in Appendix C and summarized in the Lab Test Summary Table. The foundation engineer should take these results into consideration when evaluating corrosion rates, along with electrical resistivity, soil type, and moisture content.

Foundation Recommendations

4.3.1 Shallow Foundations

Results of the investigation suggest that shallow spread/strip footings and mat foundations are feasible at this site. It is assumed that the pads and mat foundations supporting electrical equipment will bear at least 1 foot below grade. Provided the recommendations of this report are followed, including over-excavating fat clay and compacting loose subgrade in accordance with Sections 4.1.4 and 4.1.5, the design of large slab-on-grade equipment foundations (i.e., 10 to 20 feet wide) may use a maximum allowable gross bearing capacity of 4,000 psf, and strip footing foundations (i.e., 4 feet wide) may use a maximum allowable gross bearing capacity of 3,000 psf.

A total estimated settlement of less than 1 inch is anticipated for shallow foundations. Differential settlement can generally be assumed to be ½ to ¾ of the total settlement. Seismic shaking, however, can induce additional settlement. Proper drainage should be provided around foundations to minimize the potential for foundation movement. Shallow foundations should be reinforced as necessary to reduce the potential for damage caused by differential movement.

A friction factor of 0.4 may be used for the ultimate frictional resistance to lateral sliding along the base of footings founded on compacted structural fill. A minimum factor of safety of 1.5 is recommended to determine the allowable frictional resistance to lateral sliding.

A vertical modulus of subgrade reaction of 125 pounds per cubic inch (pci) may be used for mat foundations bearing on dense native sand and gravel. This vertical modulus of subgrade reaction

represents a 1 foot square foundation and should be modified as needed for larger foundation sizes.

4.3.2 Drilled Pier/Shaft Foundations

Various electrical equipment or tower structures may also be supported on concrete piers/shafts. Piers should have a minimum diameter of 18 inches. Consideration should be given to the potential for sloughing of the sandy soil in open boreholes, and some form of casing may be required to maintain borehole sidewalls.

4.3.2.1 Axial Capacity

Drilled shaft foundations will develop their capacity through a combination of skin friction and end bearing when in compression and skin friction alone when in uplift. Skin friction and end bearing values for concrete piers are provided in Table 4.1 below. These values are ultimate and do not include a safety factor, and an appropriate safety factor or resistance factor should be applied by the foundation engineer in accordance with applicable codes and standards. A safety factor of 2.0 is recommended when determining load bearing and uplift capacity.

Table 4.1 Drilled Shaft Axial Design Parameters

Depth Interval (ft)	Ultimate Skin Friction (psf)	Ultimate End Bearing (psf)
0 – 1	Ignore due to moisture changes and scour/erosion.	
1 – 5	150	NA
5 – 10	250	6,000
10 – 20	300	10,000
20 – 40	400	25,000

Consideration should be given to neglecting at least the upper 1 ft of embedment to account for the potential for erosion/scour, as shown in Table 4.1. Skin friction should be applied to the surface area of the pier, and end bearing should be applied to the full area at the bottom of piers in compression.

4.3.2.2 Lateral Capacity

The lateral capacity of drilled shaft foundations was evaluated with correlations to laboratory and field test results. The lateral response of the shafts may be modeled using the software programs LPile by Ensoft and MFAD by FAD Tools. The recommended soil model input parameters for design of drilled shafts for electrical component foundations within the proposed BESS yard (borings B-01 through B-04) and within the proposed switchyard location (boring B-05) are provided in Tables 4.2 and 4.3, respectively.

Table 4.2 Lateral Design Parameters within Proposed BESS Yard (B-01 through B-04)

Depth Interval (ft)	LPile Soil Model	Effective Unit Weight (pcf)	Friction Angle (deg)	Undrained Shear Strength (psf)	Deformation Modulus (ksi)
0 – 1	Ignore due to scour/erosion.				
1 – 15	Sand (Reese)	110	32	-	0.5
15 – 30	Sand (Reese)	110	34	-	1.2

Table 4.3 Lateral Design Parameters within Proposed Switchyard (B-05)

Depth Interval (ft)	LPile Soil Model	Effective Unit Weight (pcf)	Friction Angle (deg)	Undrained Shear Strength (psf)	Deformation Modulus (ksi)
0 – 1	Ignore due to scour/erosion.				
1 – 10	Stiff Clay w/o Free Water	120	-	3,500	1.5
10 – 40	Sand (Reese)	110	32	-	1.0

The recommendations in Tables 4.1, 4.2, and 4.3 are for piers installed at the existing grade at the time of the field investigation.

Access Roads

Access roads will be required during construction to accommodate construction equipment and deliveries. The access roads will also facilitate long-term operation and maintenance of the facility. These roads will be subjected to heavy loads, but only for limited duration and frequency. The suitability of the shallow site soil for use as access roads will depend primarily on the strength and moisture condition of the soil at the time the traffic occurs. The shallow soil on is generally considered adequate subgrade for gravel access roads. Access roads should have an aggregate surface to help ensure accessibility during wet conditions. In general, at least 6 inches of aggregate may be suitable to support construction traffic with an assumed subgrade CBR of 3.0, although subgrade strength can vary depending on moisture, strength, compaction effort, and soil type.

It is expected that aggregate-surfaced access roads will require ongoing maintenance to keep them in a serviceable condition, regardless of the aggregate thickness and subgrade preparation. It is not practical to design an aggregate section of adequate thickness that prevents ongoing maintenance. Ruts, depressions, and soft subgrade should be repaired as needed to facilitate traffic. Additional aggregate may be placed in ruts and depressions, or the entire aggregate section and soft subgrade may be removed and replaced with a new aggregate section.

Surface vegetation root zones and other soft or otherwise unsuitable material should be stripped from access roadways and the surface graded to provide positive drainage. In order to identify potentially unsuitable soil, the road subgrade or existing road surface should be compacted and subsequently proof-rolled with a fully loaded tandem axle or tri-axle truck with a minimum gross weight of 25 tons and minimum axle loading of 10 tons. Subgrade preparation should be monitored by a representative of the construction-phase geotechnical engineer at the time of construction. At locations where pumping or unacceptable rutting (i.e. greater than 1.5 inches) of the subgrade occurs, the soft/loose soil should be removed and replaced with properly compacted fill in accordance with Section 4.1.5.

Construction Considerations

To a large degree, satisfactory foundation and earthwork performance depends on construction quality control; therefore, subgrade preparation, subgrade compaction, proof-rolling, and placement and compaction of fill and backfill material should be observed and tested by qualified personnel. In addition, qualified staff who are experienced with the foundation design requirements should monitor and document foundation preparation and construction activities.

5.0 Limitations

This report has been prepared in accordance with generally accepted geotechnical engineering practice for the exclusive use of Terra-Gen, LLC for the Beaumont Energy Storage Project. The primary focus of this report are the typical site grading activities, foundations for the electrical equipment and battery storage containers, and access roads. Additional investigations and analyses may be necessary for other site infrastructure not specifically addressed in this report.

The borings are representative of the subsurface conditions at the sampled locations and intervals, and therefore do not necessarily reflect strata variations that may exist between sampled locations and intervals. If variations from the subsurface conditions described in this study are noted during construction, recommendations in this report must be re-evaluated. Any user of this report should verify all boring locations against the final location of the respective infrastructure to determine if infrastructure has moved prior to using the recommendations provided by Westwood. In the event that any changes in the nature, design, or location of the facilities are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and the conclusions of this report are modified or verified in writing by Westwood. Westwood is not responsible for any claims, damages, or liability associated with the interpretation of subsurface data by others.

After plans for the facility are completed in sufficient detail, a geotechnical engineer should be consulted regarding any additional subsurface information that may be required to arrive at additional recommendations for design and construction.

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Exhibits

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Data Source(s): Westwood (2021); ESRI WMS World Imagery, National Geographic, & World Streets Basemaps (Accessed 2021); Census Bureau (2019).

Legend

- Project Boundary
- Boring Location
- Electrical Resistivity Test Location

N

0 150 Feet

Beaumont BESS Project

Riverside County, California

Geotechnical Investigation Overview Map

EXHIBIT 1

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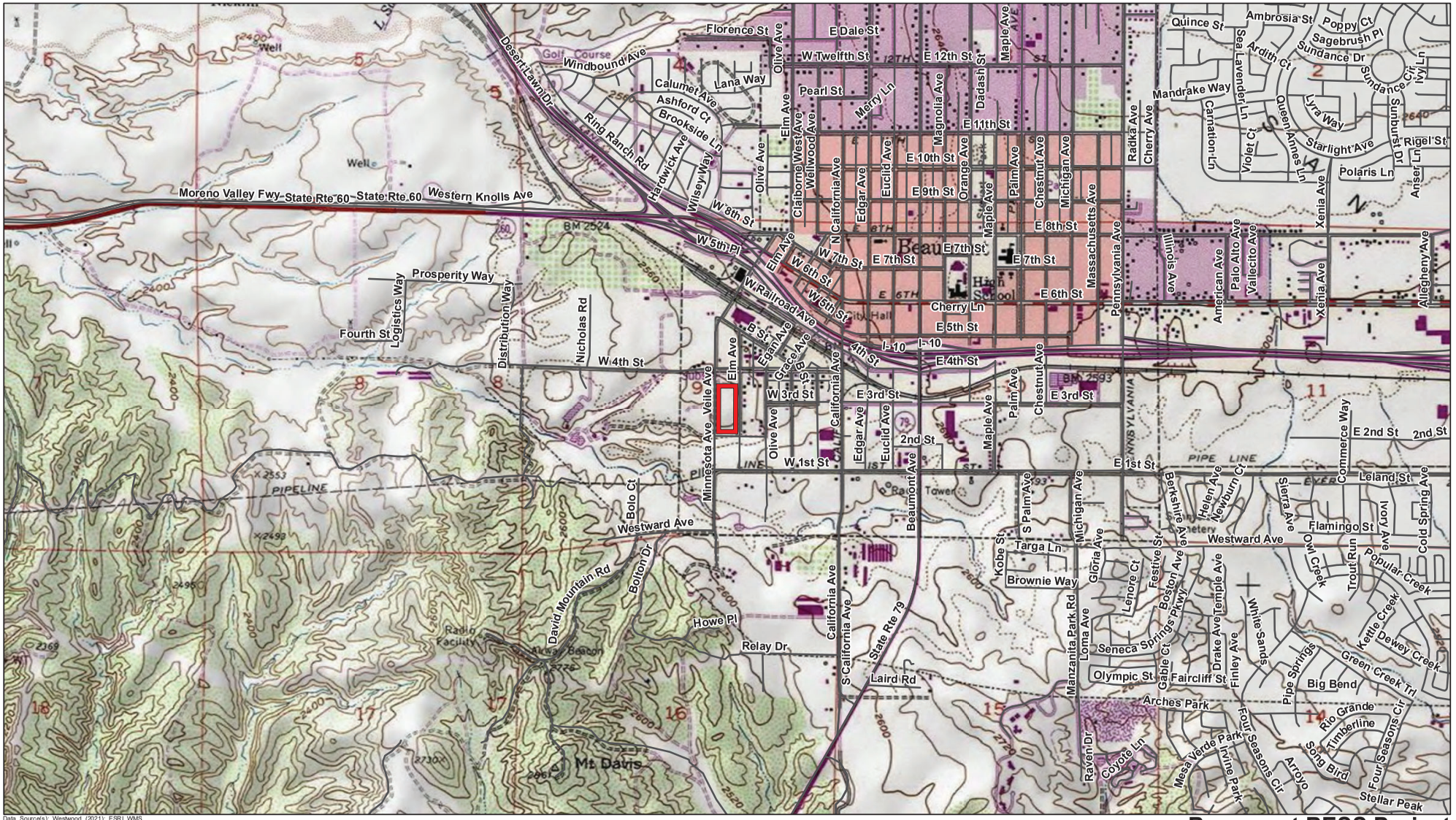

Data Source(s): Westwood (2021); ESRI WMS USA Topo Basemap (Accessed 2021); Census Bureau (2019).

Legend

- Project Boundary
- Named Census Road

N

0 Feet 1,500

Beaumont BESS Project

Riverside County, California

USGS Topography Map

EXHIBIT 2

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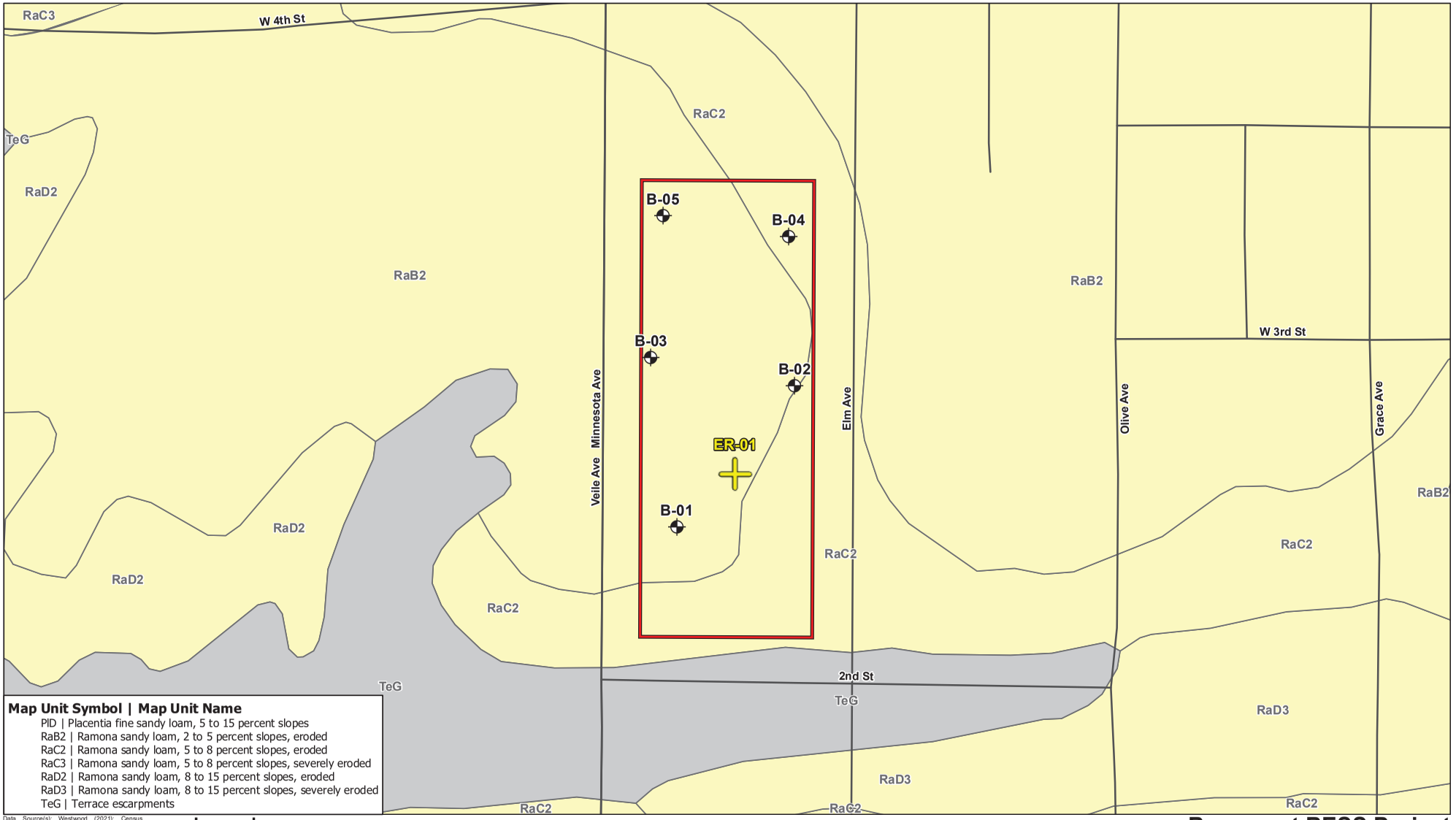

Map Unit Symbol | Map Unit Name

PID | Placentia fine sandy loam, 5 to 15 percent slopes
RaB2 | Ramona sandy loam, 2 to 5 percent slopes, eroded
RaC2 | Ramona sandy loam, 5 to 8 percent slopes, eroded
RaC3 | Ramona sandy loam, 5 to 8 percent slopes, severely eroded
RaD2 | Ramona sandy loam, 8 to 15 percent slopes, eroded
RaD3 | Ramona sandy loam, 8 to 15 percent slopes, severely eroded
TeG | Terrace escarpments

Data Source(s): Westwood (2021); Census Bureau (2019); U.S. Department of Agriculture, Natural Resources Conservation Service (2021).

Legend

- Project Boundary
- Named Census Road
- Boring Location
- Electrical Resistivity Test Location

Unified Soil Classification

- SM
- Classification Not Given

N

0 150 Feet

Beaumont BESS Project

Riverside County, California

Surficial Soils Map

EXHIBIT 3

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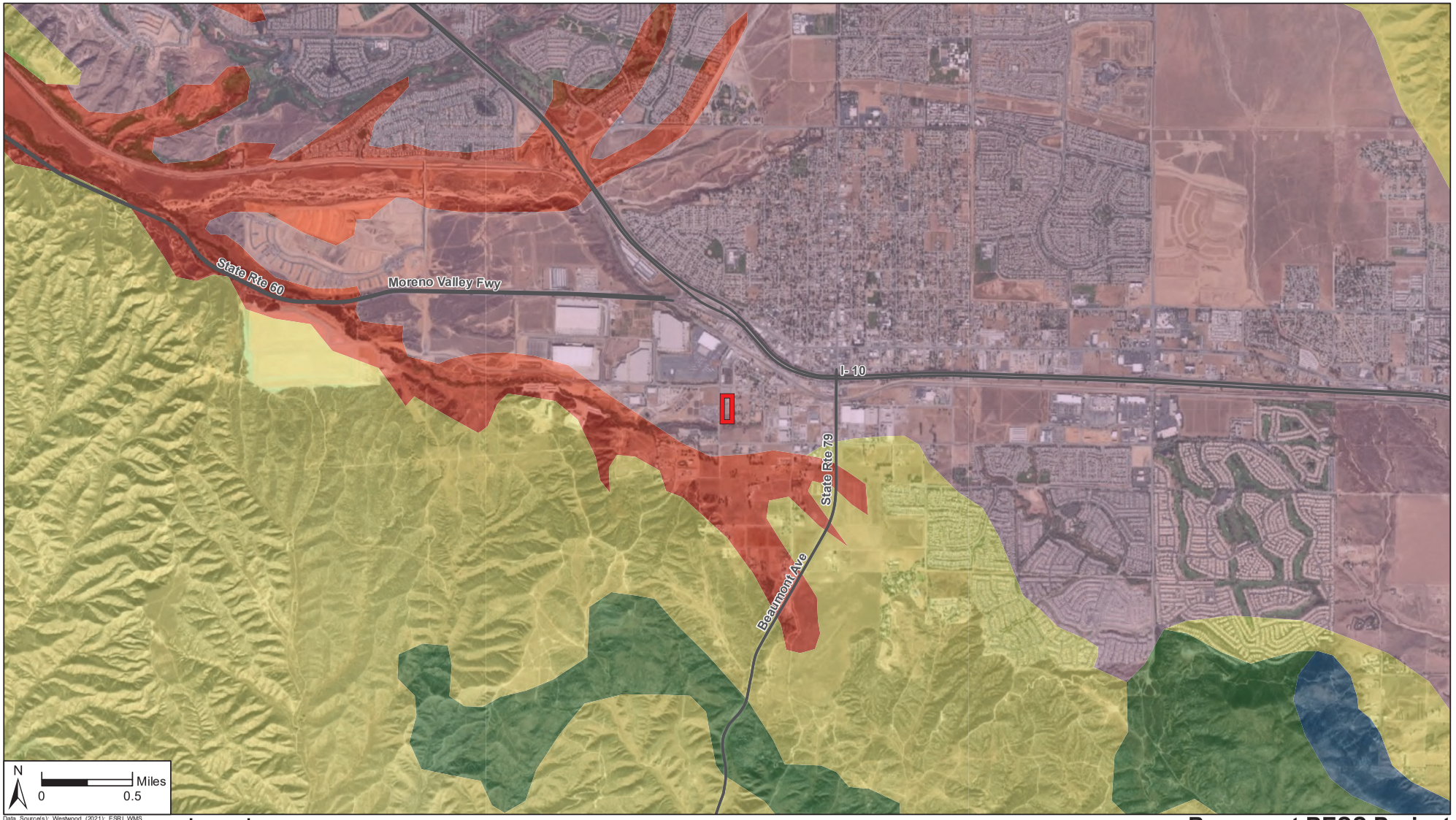

Data Source(s): Westwood (2021); ESRI WMS World Imagery (Accessed 2021); Census Bureau (2019); USGS (2018).

Legend

- Project Boundary
- Major Road

Geologic Unit Symbol | Geologic Unit Name | Geologic Unit Age

- Q | Quaternary alluvium and marine deposits | Phanerozoic - Cenozoic - Quaternary - Holocene
- QPc | Plio-Pleistocene and Pliocene loosely consolidated deposits | Phanerozoic - Cenozoic - Quaternary - Pleistocene
- Qoa | Older Quaternary alluvium and marine deposits | Phanerozoic - Cenozoic - Quaternary - Pleistocene
- grMz | Mesozoic granitic rocks, unit 2 (Peninsular Ranges) | Phanerozoic - Mesozoic - Cretaceous - Late-Cretaceous
- m | pre-Cenozoic metasedimentary and metavolcanic rocks undivided | Phanerozoic - Mesozoic - Cretaceous

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Beaumont BESS Project

Riverside County, California

Local Geology Map

EXHIBIT 4

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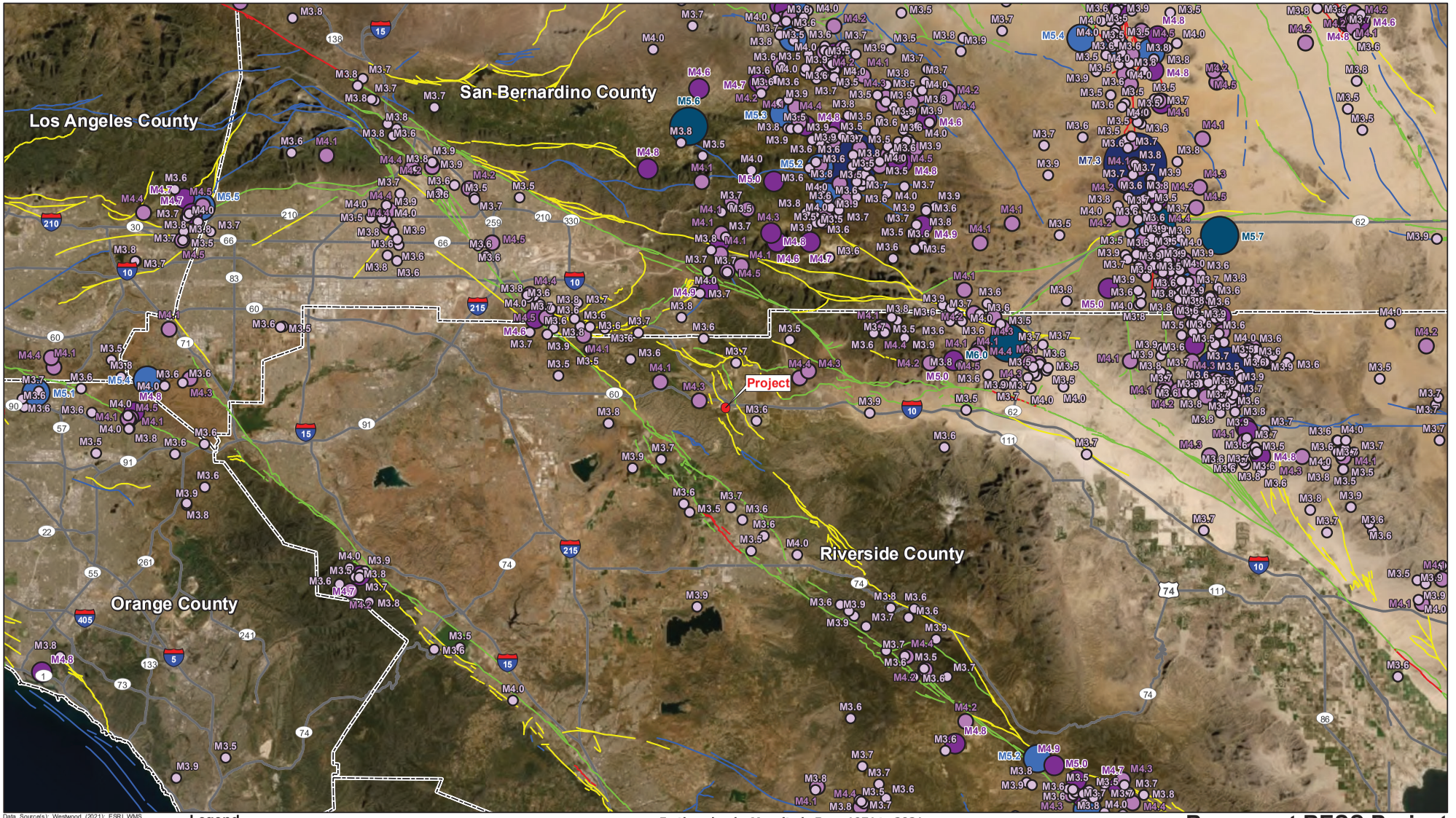

Data Source(s): Westwood (2021); ESRI WMS World Imagery Basemap (Accessed 2021); Census Bureau (2018); Department of Conservation, California Geological Survey (2010); USGS (2021).

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Legend

- Project Boundary
- County Boundary
- Major Highway
- Historic Displacement Fault Line (Last 200 Years)
- Holocene Quaternary Fault Line (Last 11,000 Years)
- Late Quaternary Fault Line (Last 750,000 Years)
- Undivided Quaternary Fault Line (Last 1.6 Million Years)

Earthquakes by Magnitude From 1971 to 2021

- 3.5-4.0
- 4.1-4.5
- 4.6-5.0
- 5.1-5.5
- 5.6-6.0
- >6.0

N

0 7 Miles

Beaumont BESS Project

Riverside County, California

Earthquake & Fault Map

EXHIBIT 5

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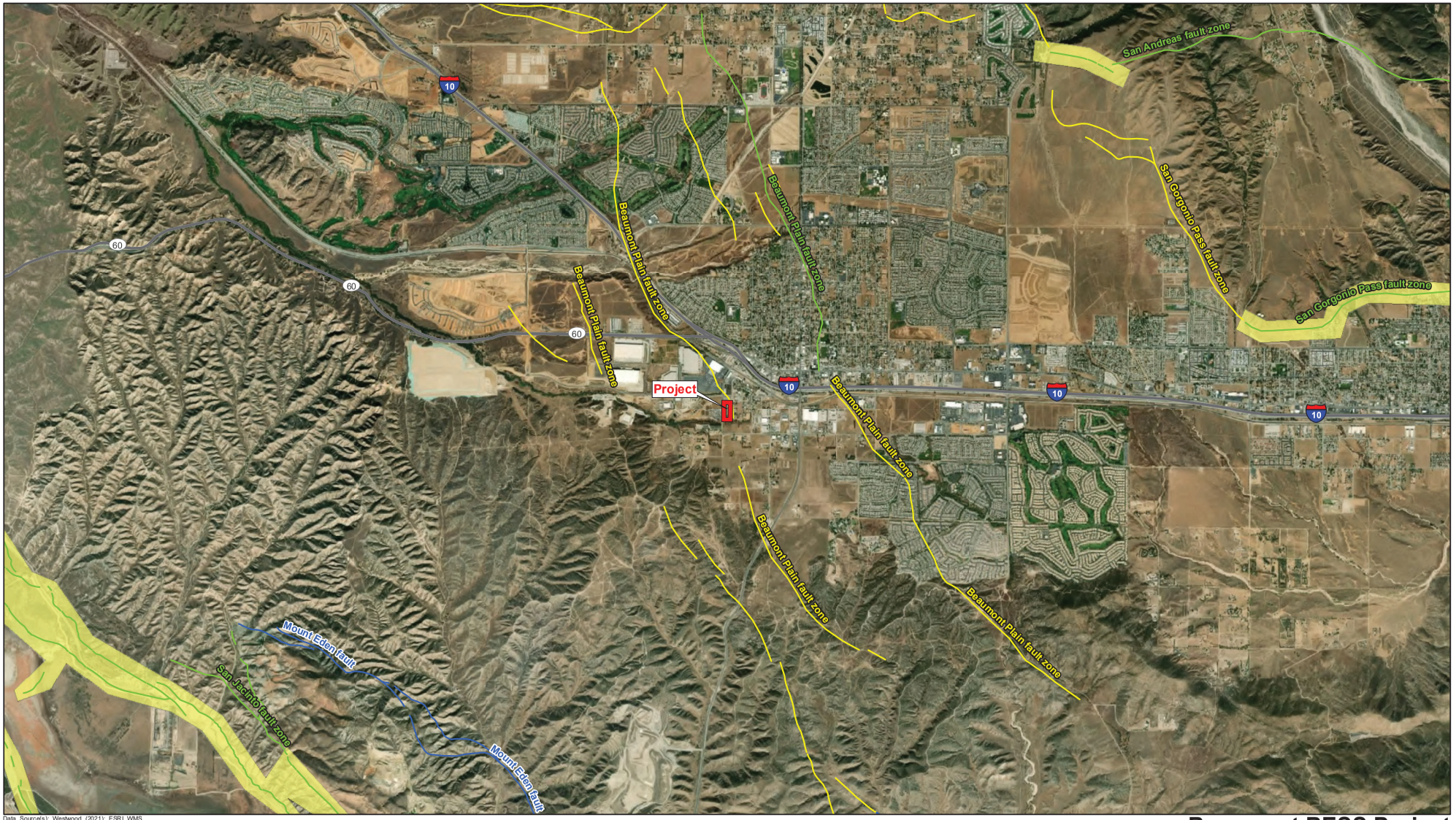

Data Source(s): Westwood (2021); ESRI WMS World Imagery Basemap (2021); Census Bureau (2018); Department of Conservation, California Geological Survey (2010); USGS (2020).

Legend

- Project Boundary
- Alquist-Priolo Fault Zone
- Major Highway
- Holocene Quaternary Fault Line (Last 11,000 Years)
- Late Quaternary Fault Line (Last 750,000 Years)
- Undivided Quaternary Fault Line (Last 1.6 Million Years)

N

0 Feet 4,000

Beaumont BESS Project

Riverside County, California

Seismic Hazard Map

EXHIBIT 6

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Appendix A

Soil Boring Logs

SOIL BORING LOG

Westwood

BORING NO. B-01

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.92389 Long: -116.98788	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS)	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	2 2 3		**[FILL] Poorly-Graded Sand and Gravel (SP to GP)** - 1 in thick.										Coordinates are NAD83 Datum.
				POORLY GRADED SAND w/ SILT (SP-SM) - reddish brown, dry to damp, medium dense to dense.										
2 SS	100	5 5 7												
3 SS	100	4 7 9	5											
4 SS	72	8 8 9		- dark reddish brown, damp, few gravel - quartz grains						7.4			14	pH = 7.4 Sat. ER* = 12,700 Moist ER* = 346,700
5 SS	94	8 12 15	10	- yellowish brown										
6 SS	100	12 15 17			SP-SM									
7 SS	100	9 14 17	15	- dark yellowish brown										
8 SS	100	11 12 12	20											
9 SS	100	12 12 19	25											* ER = Electrical Resistivity measured in Ohm-cm
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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SOIL BORING LOG

Westwood

BORING NO. B-02

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.924535 Long: -116.987244	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	3 4 8	0	**SILTY SAND (SM)** - yellowish red, damp to moist, medium dense.										Coordinates are NAD83 Datum.
2 SS	100	5 5 7		- reddish brown - coarse mineral (quartz) grain										
3 SS	100	3 5 8	5							12.9			25	
4 SS	100	4 7 11												
5 SS	100	2 2 3	10	- loose - yellowish brown	SM									
6 SS	100	4 4 7												
7 SS	100	3 3 5	15											
8 SS	100	5 9 12	20	**SANDY SILT (ML)** - reddish brown, moist, very stiff.	ML			*		12.9			59	
9 SS	100	8 9 15	25					*						
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
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SOIL BORING LOG

Westwood

BORING NO. B-03

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.924659 Long: -116.988027	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	9 12 12		**[FILL] Poorly-Graded Sand and Gravel (SP to GP)** - 3 in thick.				4.5 4.5						Coordinates are NAD83 Datum.
				SANDY FAT CLAY (CH) - reddish brown, damp, very stiff.	CH									
2 SS	100	4 7 9						4.5 4.5		21.3	58.9	34.1	57	
			5											
3 SS	100	3 3 4		**CLAYEY SAND (SC)** - yellowish brown, damp, loose.										
4 SS	100	5 7 9		- medium dense	SC									
			10											
5 SS	100	7 7 10		- gravel lens, 2 in thick										
6 SS	94	6 6 9		**LEAN CLAY w/ SAND (CL)** - yellowish red, damp, very stiff.	CL			2.0 2.75		16.6	36.7	17.6	72	pH = 6.9 Sat. ER* = 1,600 Moist ER* = 1,700
			15											
7 SS	100	7 12 12		**CLAYEY SAND (SC)** - yellowish red to yellowish brown, damp, medium dense.	SC									
8 SS	100	8 12 15	20											
9 SS	100	10 10 15	25											* ER = Electrical Resistivity measured in Ohm-cm
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
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SOIL BORING LOG

Westwood

BORING NO. B-04

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.925213 Long: -116.987283	---	26.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	100	7 8 14	0	**POORLY GRADED SAND w/ SILT (SP-SM)** - yellowish brown, dry to damp, medium dense.	SP-SM									Coordinates are NAD83 Datum.
2 SS	100	7 12 16		- reddish brown										
3 SS	100	7 7 12	5											
4 SS	100	4 4 6												
5 SS	100	3 4 4	10	**ELASTIC SILT w/ SAND (MH)** - reddish brown, damp, stiff to hard.	MH			4.5 4.5		29.1	51.3	16.7	78	
6 SS	100	3 3 6		**SILTY SAND (SM)** - reddish brown, damp, loose.	SM									
7 SS	100	4 7 9	15	**SANDY SILT (ML)** - brown to strong brown, damp, very stiff.	ML			4.0 4.25		19.4			66	
8 SS	100	9 9 12	20					*						
9 SS	100	9 9 13	25					*						
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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SOIL BORING LOG

Westwood

BORING NO. B-05

Facility/Project Name:	Boring Location:	Surface Elev. (ft):	Total Depth (ft bgs):	Borehole Dia. (in):
Beaumont Energy Storage Project Riverside County, California	Lat: 33.925303 Long: -116.987969	---	41.5	6"

Drilling Firm:	Drilling Method:	Personnel:	Date Started:	Date Completed:	Water Depth (ft bgs)
Choice Drilling	Hollow Stem Auger (HSA) Auto-Hammer	Logger - C. Acker Driller - C. Warner	12/14/20	12/14/20	DNE

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	N VALUE (BLOWS) 0 10 20 30 40 50	POCKET PEN (TSF) (* = brittle failure)	COMPRESSIVE STRENGTH (TSF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	P 200 (%)	COMMENTS
1 SS	94	18 23 24	0	**SANDY LEAN CLAY (CL)** - yellowish brown, dry to damp, hard.				*						Coordinates are NAD83 Datum.
AU										12.5	44	27	55.2	Bulk sample taken from auger cuttings at 2-5 ft bgs.
2 SS	100	19 23 27		- reddish brown				4.5 4.5						
3 SS	100	12 18 21	5	- few gravel	CL			4.5 4.5						
4 SS	100	12 12 19						*						
5 SS	100	8 8 10	10	**CLAYEY SAND (SC)** - reddish brown, dry to damp, medium dense.										
6 SS	100	7 7 12												
7 SS	100	4 4 7	15	- moist	SC									
8 SS	100	5 8 9	20	**POORLY GRADED SAND w/ SILT AND GRAVEL (SP-SM)** - reddish brown, moist, medium dense.	SP-SM									
9 SS	100	5 7 12	25	**SILT w/ SAND (ML)** - reddish brown, damp, very stiff.				*		23.6			76	
10 SS	100	7 7 12	30	- moist	ML			*						
11 SS	100	7 10 12	35					*						
12 SS	100	7 12 18	40	- reddish gray				*						
				BORING TERMINATED. TARGET DEPTH REACHED.										

Checked By:	Date:	Approved By:	Date:	Firm:	
R. Hughes	1/11/21	Sam Jorgensen	2/7/21	Westwood Professional Services 8401 Greenway Boulevard, Suite 400 Middleton, WI 53562	(608) 821-6600

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Appendix B

Electrical Resistivity Test Results

Westwood

Electrical Resistivity Test Results
Wenner 4-Electrode Method
Beaumont Energy Storage Project - Riverside County, California

ER-01

Latitude	Longitude
33.924133	-116.987564

Description: 55°F, sunny, damp soil conditions

Date: 12/14/2020

Northeast-Southwest Transect

ELECTRODE SPACING		APPARENT RESISTIVITY	
(feet)	(meters)	ohm-feet	ohm-meters
2	0.6	722	220
4	1.2	455	139
6	1.8	381	116
8	2.4	329	100
10	3.0	332	101
20	6.1	265	80.8
30	9.1	192	58.6
50	15.2	148	45.0
100	30.5	119	36.4
120	36.6	347	106

Northwest-Southeast Transect

ELECTRODE SPACING		APPARENT RESISTIVITY	
(feet)	(meters)	ohm-feet	ohm-meters
2	0.6	610	186
4	1.2	314	95.8
6	1.8	356	109
8	2.4	331	101
10	3.0	324	98.8
20	6.1	248	75.5
30	9.1	207	63.2
50	15.2	170	51.7
80	24.4	136	41.4

*Site contraints, including site boundary, limited ER testing to 120 ft and 80 ft max spacing in Northeast-Southwest and Northwest-Southeast transects, respectively.

Appendix C

Laboratory Testing Reports

Westwood

Laboratory Soil Test Data Summary

Beaumont Energy Storage Project - Riverside County, California

BORING ID	SAMPLE ID	SAMPLE DEPTH (ft)	GRAIN-SIZE DISTRIBUTION[1][3]				NATURAL MOISTURE CONTENT (%)	ATTERBERG LIMITS		pH	Sulfate Ions (mg/kg)	Chloride Ions (mg/kg)	Miller Box Electrical Resistivity (Ω-cm)		USCS CLASSIFICATION[2][3]	MODIFIED PROCTOR		THERMAL RESISTIVITY	
			% Gravel	% Sand	% Silt	% Clay		LL	PI				As-Received	Saturated		MAX DRY DENSITY (pcf)	OPTIMUM MOISTURE CONTENT (%)	As-Received (°C-cm/W)	Dry (°C-cm/W)
B-01	SS-04	7.5-9	13	73	14		7.4			7.4	< 12.9	< 9.2	346,700	12,700	Poorly Graded Sand w/ Silt (SP-SM)				
B-02	SS-03	5-6.5	4	71	25		12.9								Silty Sand (SM)				
B-02	SS-08	20-21.5	0	41	59		12.9								Sandy Silt (ML)				
B-03	SS-02	2.5-4	2	41	57		21.3	58.9	34.1						Sandy Fat Clay (CH)				
B-03	SS-06	12.5-14	0	28	72		16.6	36.7	17.6	6.9	< 12.9	82.3	1,700	1,600	Lean Clay w/ Sand (CL)				
B-04	SS-05	10-11.5	0	22	78		29.1	51.3	16.7						Elastic Silt w/ Sand (MH)				
B-04	SS-07	15-16.5	0	34	66		19.4								Sandy Silt (ML)				
B-05	SS-09	25-26.5	0	24	76		23.6								Silt w/ Sand (ML)				
B-05	BULK	2-5	4.6	40.2	28.8	26.4	12.5	44.0	27.0						Sandy Lean Clay (CL)	124	11.8	76	172

Footnotes:

(1) % Gravel = part. greater than 4.75 mm (#4 sieve); % Sand = part. between 0.075 mm (#200 sieve) and 4.75 mm (#4 sieve); % Silt = part. between 0.002 mm and 0.075 mm (#200 sieve); % Clay = part. smaller than 0.002 mm.

(2) Visual classification, informed where possible by laboratory testing

(3) Represents soil fraction captured in split spoon, does not include cobbles/large gravel that may have been in profile.

Westwood

1 Systems Drive
Appleton, WI 54914

main (920) 735-6900

LABORATORY TESTS OF SOILS

ASTM: D2216, D4318, D6913

Project: Beaumont BESS - Beaumont, CA

Report To: Terra-Gen Power, LLC **Date:** 1/6/2021

Westwood Prj. No. R0029655.00

Date Delivered: 12/18/2020

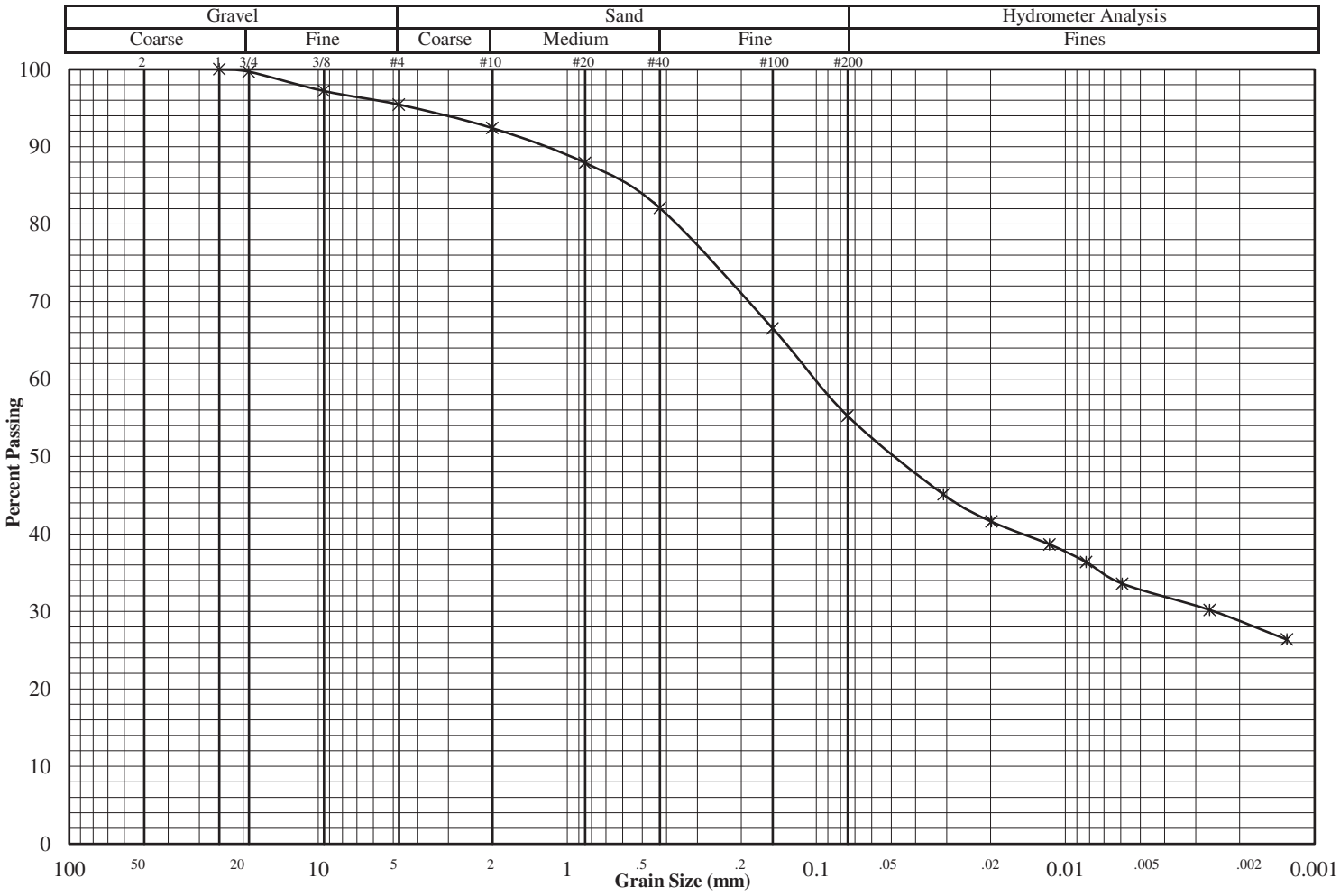
Boring	Depth	Sample	Moisture Content	Atterberg Limits LL	PL	PI	Percent Passing #4	#200
B-01	7.5-9	SS-04	7.4%				87	14
B-02	5-6.5	SS-03	12.9%				96	25
B-02	20-21.5	SS-08	12.9%				100	59
B-03	2.5-4	SS-02	21.3%	58.9	24.9	34.1	98	57
B-03	12.5-14	SS-06	16.6%	36.7	19.0	17.6	100	72
B-04	10-11.5	SS-05	29.1%	51.3	34.7	16.7	100	78
B-04	15-16.5	SS-07	19.4%				100	66
B-05	25-26.5	SS-09	23.6%				100	76

Grain Size Distribution ASTM D422-16

Job No. : **12941**

Project:	Beaumont BESS	Test Date:	12/28/20
Reported To:	Westwood Surveying & Engineering	Report Date:	1/4/21

	Location / Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Classification
*	B-05		2-5	Bulk	Sandy Lean Clay w/a little gravel (CL)
●					
◇					



Additional Results	*	●	◇
Liquid Limit	44		
Plastic Limit	17		
Plasticity Index ASTM:D4316	27		
Water Content ASTM:D2216	12.5		
Dry Density (pcf) ASTM:D7263			
Specific Gravity ASTM:D854	2.68*		
Porosity			
Organic Content ASTM:D2974			
pH ASTM:D4972 Method B			

Percent Passing

	*	●	◇
Mass (g)	19959.0		
2"			
1.5"			
1"	100.0		
3/4"	99.7		
3/8"	97.2		
#4	95.4		
#10	92.4		
#20	87.9		
#40	82.1		
#100	66.5		
#200	55.2		

	*	●	◇
D_{60}			
D_{30}			
D_{10}			
C_U			
C_C			

Remarks:

(* = assumed)

9530 James Ave South

SOIL ENGINEERING TESTING, INC.

Bloomington, MN 55431

Grain Size Distribution ASTM D422-16

Job No. : **12941**

Project:	Beaumont BESS	Test Date:	12/28/20
Reported To:	Westwood Surveying & Engineering	Report Date:	1/4/21

	Location / Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Classification
Spec 1	B-05		2-5	Bulk	Sandy Lean Clay w/a little gravel (CL)
Spec 2					
Spec 3					

Sieve Data

Specimen 1		Specimen 2		Specimen 3	
Sieve	% Passing	Sieve	% Passing	Sieve	% Passing
2"		2"		2"	
1.5"		1.5"		1.5"	
1"	100.0	1"		1"	
3/4"	99.7	3/4"		3/4"	
3/8"	97.2	3/8"		3/8"	
#4	95.4	#4		#4	
#10	92.4	#10		#10	
#20	87.9	#20		#20	
#40	82.1	#40		#40	
#100	66.5	#100		#100	
#200	55.2	#200		#200	

Hydrometer Data

Specimen 1		Specimen 2		Specimen 3	
Diameter (mm)	% Passing	Diameter	% Passing	Diameter	% Passing
0.031	45.1				
0.020	41.6				
0.012	38.7				
0.008	36.4				
0.006	33.6				
0.003	30.2				
0.001	26.4				

Remarks

Specimen 1	Specimen 2	Specimen 3

9530 James Ave South

SOIL ENGINEERING TESTING, INC.

Bloomington, MN 55431

Westwood

1 Systems Drive
Appleton, WI 54914

main (920) 735-6900

LABORATORY TESTS OF SOILS

ASTM: G187, D4972

Project: Beaumont BESS - Beaumont, CA

Report To: Terra-Gen Power, LLC

Date: 1/6/2021

Westwood Prj. No. R0029655.00

Date Delivered: 12/18/2020

			Electrical Resistivity								
			As-Received				Saturated				
Boring	Depth	Sample	Moist%	Temp. °C	Resistance (Ohms)	Resistivity (Ohms-cm)*	Moist%	Temp. °C	Resistance (Ohms)	Resistivity (Ohms-cm)*	pH
B-01	7.5-9	SS-04	7.4	19.8	520,000	346,700	23.5	19.8	19,000	12,700	7.4
B-03	12.5-14	SS-06	16.6	19.9	2,600	1,700	29.5	19.7	2,400	1,600	6.9

* Soil box factor = 0.67

Thermal Resistivity Report ASTM D:5334

Project: **Beaumont BESS** Job #: **12941**

Client: **Westwood Surveying & Engineering** Date: **1/8/21**

Boring	Specimen Type	Depth (ft)	Type	Classification	Initial Conditions			Dry
					Dry Density (PCF)	WC (%)	Thermal Resistivity (ºC-cm/W)	Thermal Resistivity (ºC-cm/W)
B-05	**Reconstituted**	**2-5**	**Bulk**	**Sandy Lean Clay with a little gravel (CL)**	**112.0**	**12.2%**	**76**	**172**
	Specimens reconstituted to approximately 90% of maximum modified proctor density near the as received moisture content.							

9530 James Ave South SOIL ENGINEERING TESTING, INC. Bloomington, MN 55431

http://www.soilengineeringtesting.com

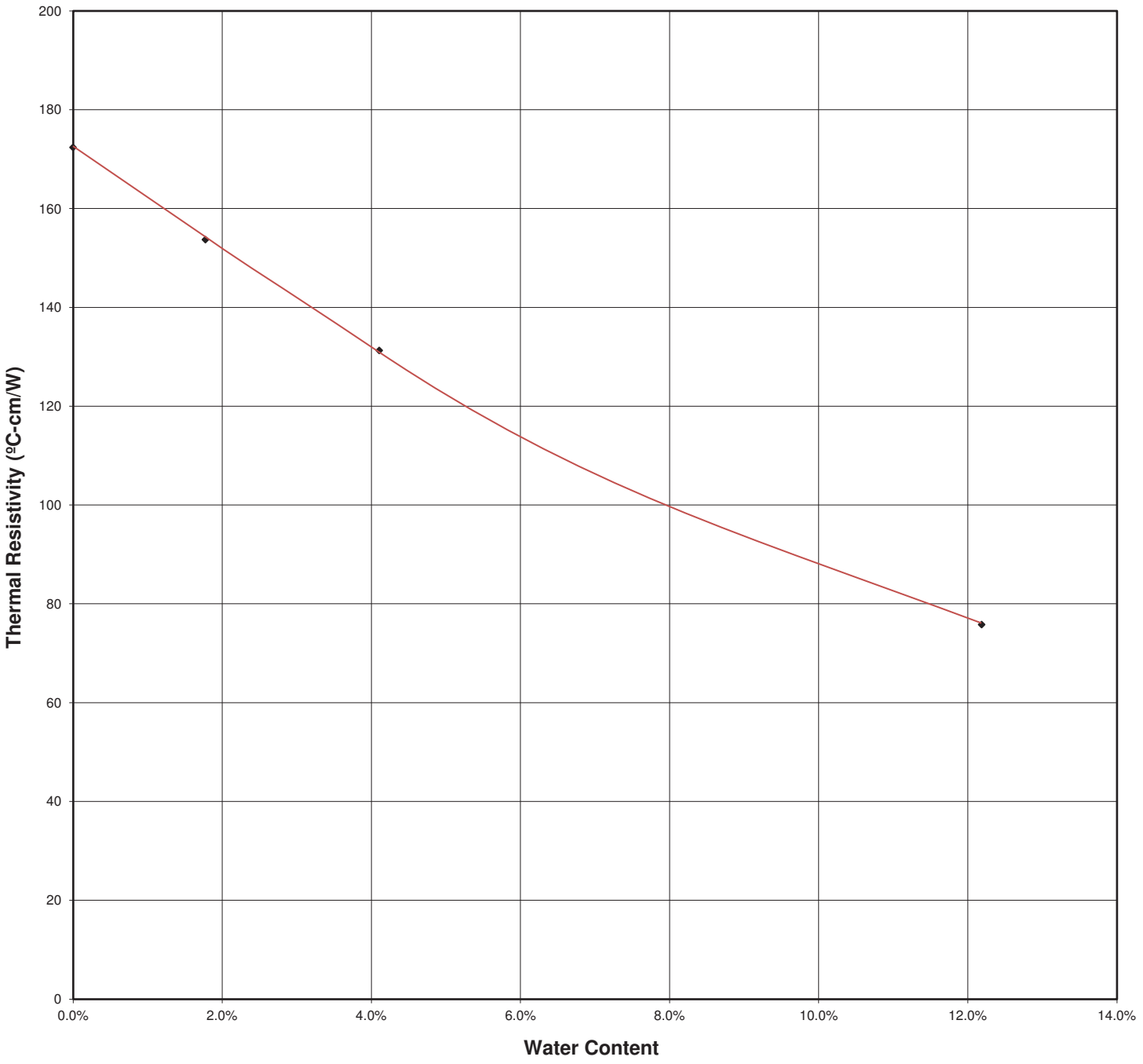
Thermal Resistivity Report ASTM D:5334

Project: Beaumont BESS — Job: 12941

Client: Westwood Surveying & Engineering — Date: 1/8/21

	Boring	Depth (ft)
Specimen A:	B-05	2-5

Thermal Dryout Curves (Water Content vs. Resistivity)



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http://www.soilengineeringtesting.com

Moisture Density Curve ASTM: D1557, Method B

Project: **Beaumont BESS** Date: **1/5/21**

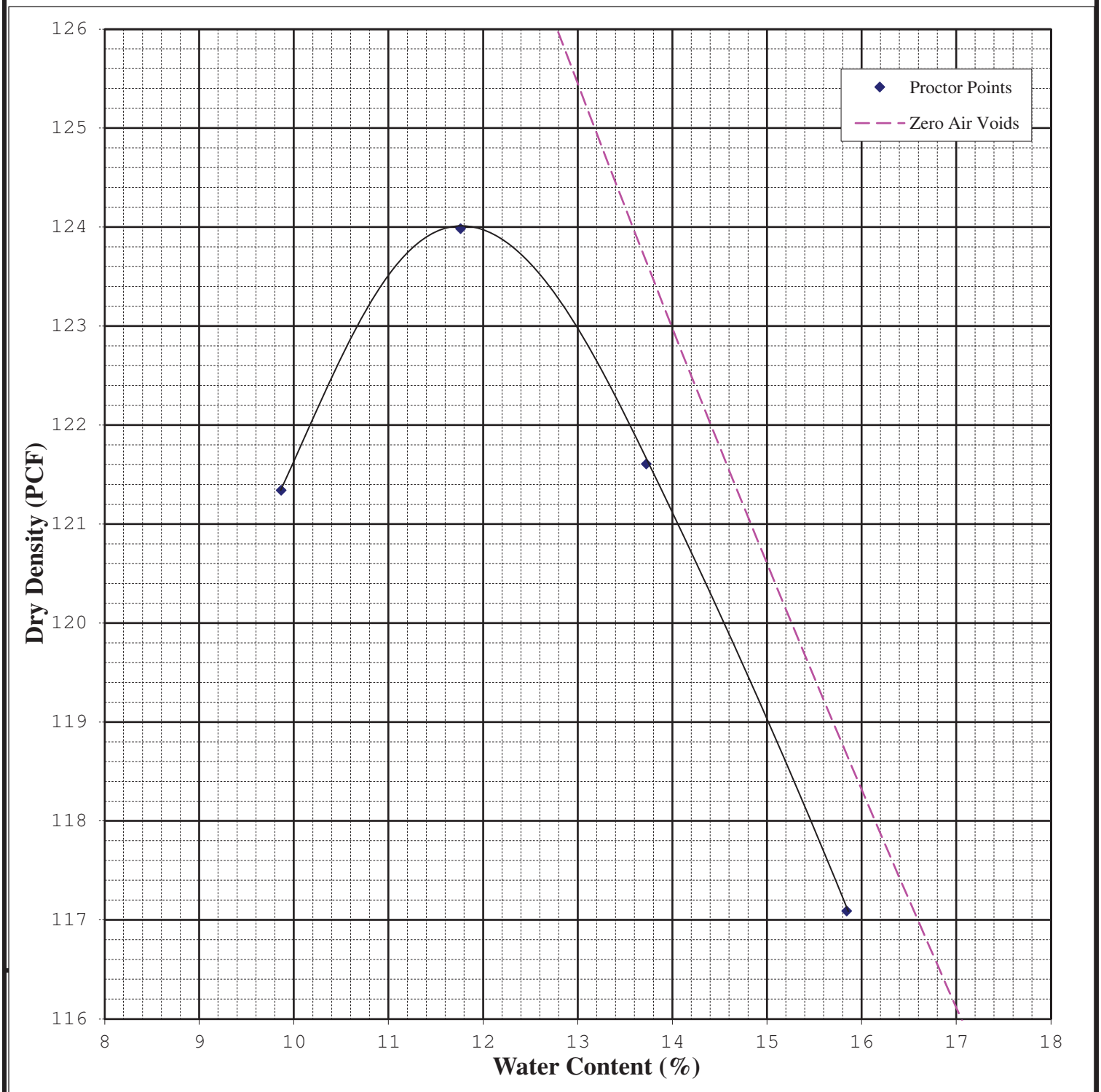
Client: **Westwood Surveying & Engineering** Job No. **12941**

Boring No. **B-05** Sample: Depth(ft): **2-5** Location:

Soil Type: **Sandy Lean Clay w/a little gravel (CL)**

As Received W.C. (%): **12.5** LL: **44** PL: **17** PI: **27** Specific Gravity: **2.72** *Assumed

Maximum Dry Density (pcf): **124.0** Opt. Water Content (%): **11.8**



9530 James Ave South

SOIL ENGINEERING TESTING, INC.

Bloomington, MN 55431

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

PAUL EGGEN
WESTWOOD PROFESSIONAL SERVICES
12701 WHITEWATER DRIVE
MINNETONKA. MN 55343

Report Date *15-Jan-21*

Project Name BEAUMONTBESS **Invoice #** E38951
Proiect # R0029655.00

Lab Code 5038951A
Sample ID B-01 SS-04
Sample Matrix Soil
Sample Date 12/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	97.7	%			1	5021		12/31/2020	NJC	1
Wet Chemistry										
General										
Sulfate, Unfiltered	< 12.9	mg/kg	12.9	43	1	9056		1/5/2021	ESC	1
Chlorides, Unfiltered	< 9.2	mg/kg	9.2	30.7	1	9056		1/5/2021	ESC	1

Lab Code 5038951B
Sample ID B-03 SS-06
Sample Matrix Soil
Sample Date 12/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.4	%			1	5021		12/31/2020	NJC	1
Wet Chemistry										
General										
Sulfate, Unfiltered	< 12.9	mg/kg	12.9	43	1	9056		1/5/2021	ESC	1
Chlorides, Unfiltered	82.3	mg/kg	9.2	30.7	1	9056		1/5/2021	ESC	1

"J" Flag: Analyte detected between LOD and LOQ | LOD Limit of Detection | LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

ESC denotes sub contract lab - Certification #998093910

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Appendix 4: Historical Site Conditions

Phase I Environmental Site Assessment or Other Information on Past Site Use

Appendix 5: LID Infeasibility

LID Technical Infeasibility Analysis

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	Westwood Professional Services, Inc.	Date	9/14/2021
Designed by	Matthew Hildreth	Case No	
Company Project Number/Name	Beaumont BESS		

BMP Identification

BMP NAME / ID: BMP-1

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} = 0.85 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)*
DMA-1	*84071*	*Mixed Surface Types*	*0.45*	*0.31*	*25938.9*			
	84071		*Total*		*25938.9*	*0.85*	*1837.3*	*1838*

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	Westwood Professional Services, Inc.	Date	9/14/2021
Designed by	Matthew Hildreth	Case No	
Company Project Number/Name	Beaumont BESS		

BMP Identification

BMP NAME / ID: BMP-2

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} = 0.85 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)*
DMA-2	*79279*	*Mixed Surface Types*	*0.57*	*0.39*	*30653.5*			

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	Westwood Professional Services, Inc.	Date	9/14/2021
Designed by	Matthew Hildreth	Case No	
Company Project Number/Name	Beaumont BESS		

BMP Identification

BMP NAME / ID: BMP-3

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} = 0.85 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)*
DMA-3	*46174*	*Mixed Surface Types*	*0.1*	*0.11*	*5100.3*			
	46174	***Total***			**5100.3**	**0.85**	***361.3***	***362***

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	Westwood Professional Services, Inc.	Date	9/14/2021
Designed by	Matthew Hildreth	Case No	
Company Project Number/Name	Beaumont BESS		

BMP Identification

BMP NAME / ID: BMP-4

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

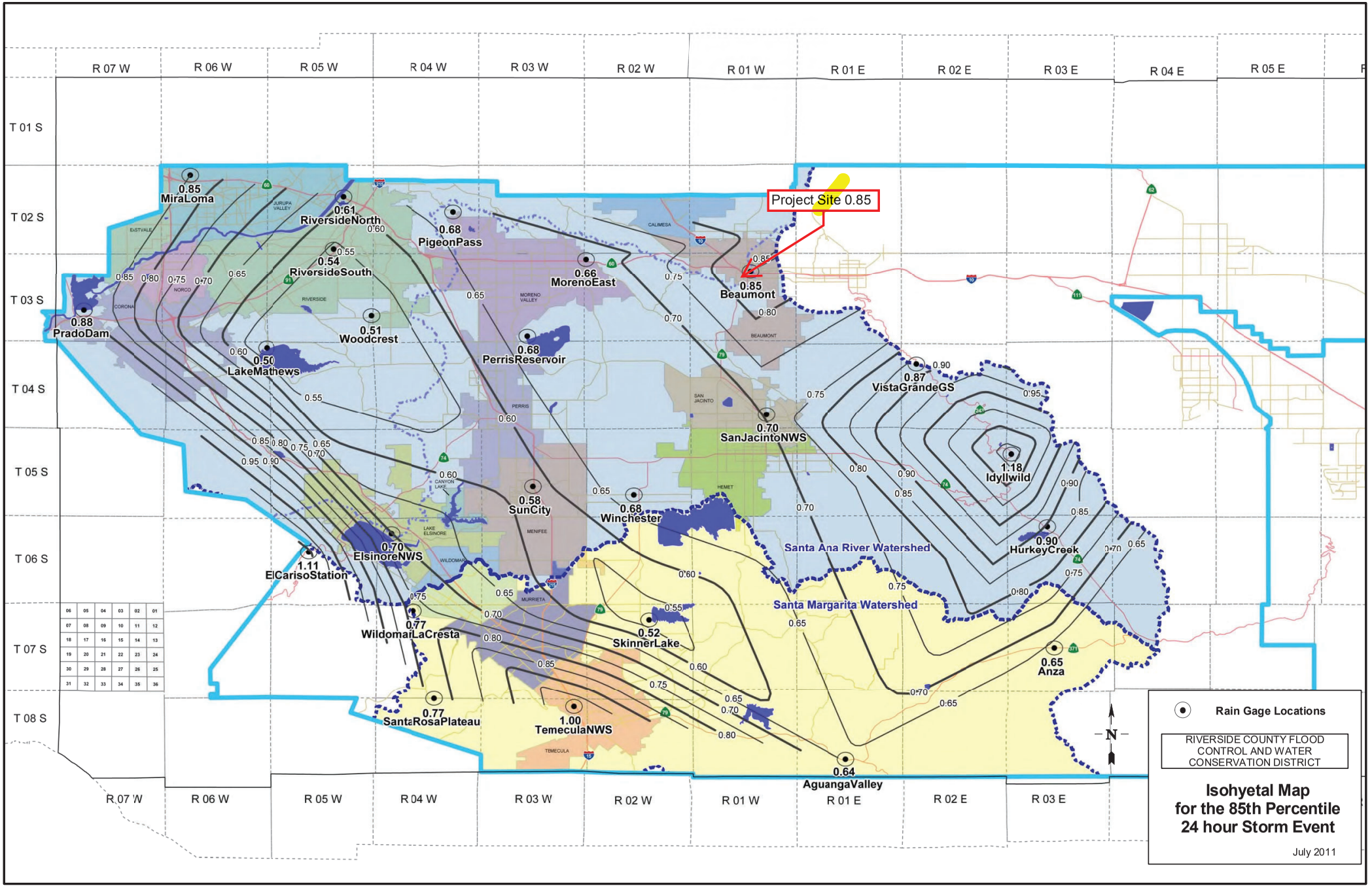
D_{85} = 0.85 inches

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)*
DMA-4	*32670*	*Mixed Surface Types*	*0.06*	*0.08*	*2738.3*			
	32670		***Total***		**2738.3**	**0.85**	***194***	***195***

Notes:


R 07 W
R 06 W
R 05 W
R 04 W
R 03 W
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R 01 E
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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
Project Site 0.85
0.85 MiraLoma
0.61 RiversideNorth
0.68 PigeonPass
0.54 RiversideSouth
0.66 MorenoEast
0.85 Beaumont
0.88 PradoDam
0.51 Woodcrest
0.68 PerrisReservoir
0.50 LakeMathews
0.87 VistaGrandeGS
0.70 SanJacintoNWS
1.18 Idyllwild
0.58 SunCity
0.68 Winchester
0.70 ElsinoreNWS
1.11 ElCarisoStation
0.90 HurkeyCreek
Santa Ana River Watershed
Santa Margarita Watershed
0.77 WildomarLaCresta
0.52 SkinnerLake
0.65 Anza
0.77 SantaRosaPlateau
1.00 TemeculaNWS
0.64 AguangaValley
N
Rain Gage Locations
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
Isohyetal Map for the 85th Percentile 24 hour Storm Event
July 2011

Bioretention Facility - Design Procedure	BMP ID 1	Legend:	Required Entries / Calculated Cells

Company Name: Westwood Professional Services, Inc. Date: 9/14/2021

Designed by: Matthew Hildreth County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T= 1.93 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP}= 1,837 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 = 2.0 ft

Top Width of Bioretention Facility, excluding curb w_T = 23.0 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 = 1.47 ft

Minimum Surface Area, A_m

$$A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$$

A_M = 1,251 ft^2

Proposed Surface Area A= 6,534 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 1 %

6" Check Dam Spacing 25 feet

Describe Vegetation: Natural Grasses

Notes:

Bioretention Facility - Design Procedure	BMP ID 2	Legend:	Required Entries / Calculated Cells

Company Name: Westwood Professional Services, Inc. Date: 9/14/2021

Designed by: Matthew Hildreth County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T= 1.82 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP}= 2,171 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 = 2.0 ft

Top Width of Bioretention Facility, excluding curb w_T = 35.0 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 = 1.48 ft

Minimum Surface Area, A_m

$$A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$$

A_M = 1,467 ft^2

Proposed Surface Area A= 6,578 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 1 %

6" Check Dam Spacing 25 feet

Describe Vegetation: Natural Grasses

Notes:

Bioretention Facility - Design Procedure	BMP ID: 3	Legend:	Required Entries / Calculated Cells

Company Name: Westwood Professional Services, Inc. Date: 9/14/2021

Designed by: Matthew Hildreth County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T = 1.06 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP} = 361 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 = 2.0 ft

Top Width of Bioretention Facility, excluding curb w_T = 42.0 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 = 1.48 ft

Minimum Surface Area, A_m

$$A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$$

A_M = 244 ft^2

Proposed Surface Area A= 7,405 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 1 %

6" Check Dam Spacing 25 feet

Describe Vegetation: Natural Grasses

Notes:

Bioretention Facility - Design Procedure	BMP ID: 4	Legend:	Required Entries / Calculated Cells

Company Name: Westwood Professional Services, Inc. Date: 9/14/2021

Designed by: Matthew Hildreth County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T = 0.75 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP} = 195 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 = 2.0 ft

Top Width of Bioretention Facility, excluding curb w_T = 42.0 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 = 1.48 ft

Minimum Surface Area, A_m

$$A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$$

A_M = 132 ft^2

Proposed Surface Area A= 2,614 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 1 %

6" Check Dam Spacing 25 feet

Describe Vegetation: Natural Grasses

Notes:

Effective Impervious Calculations

Drainage area sized for disturbance	Existing Gravel	Grass	Existing Impervious	Area
DMA1	1.09	0.84	0	1.93
DMA2	0	1.82	0	1.82
DMA3	0	1.06	0	1.06
DMA4	0	0.75	0	0.75
	1.09	4.47	0	5.56
	Proposed Gravel	Grass	Proposed Impervious	Area
DMA1	1.34	0.19	0.40	1.93
DMA2	0.93	0.19	0.70	1.82
DMA3	0.35	0.35	0.36	1.06
DMA4	0.22	0.36	0.17	0.75
	2.84	1.09	1.63	5.56
	0.3	0.3	1	
DMA1 Eff Impervious	0.402	0.057	0.4	0.45
	0.3	0.3	1	
DMA2 Eff Impervious	0.2778	0.057	0.704	0.57
	0.3	0.3	1	
DMA3 Eff Impervious	0.105	0.105	0.36	0.10
	0.3	0.3	1	
DMA4 Eff Impervious	0.066	0.108	0.17	0.06

The effective impervious calculations were taken by weighting the imperviousness of each landcover in the DMA and creating a weighted average.

Appendix 7: Hydromodification

Supporting Detail Relating to Hydrologic Conditions of Concern

Hydromodification Narrative for

Beaumont BESS Project

Prepared for:
Beaumont ESS, LLC
437 Madison Avenue Suite 22A
New York, NY 10222

Prepared by:
Chris Carda, PE
12701 Whitewater Drive, Suite 300
Minnetonka, MN 55343
(952) 937-5150

Project Number: 0029655.00
Date: 09/14/2021

CONTENTS

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List of Appendices ii

INTRODUCTION 2
EXISTING CONDITIONS 2
PROPOSED CONDITIONS 2
HYDROMODIFICATION RATES 2
SUMMARY 3

INTRODUCTION

The purpose of this onsite drainage study is to describe the hydromodification of the proposed Beaumont BESS Project ("the project") and determine the impact to flow rates from the site due to development of the project. This report was created to support the client with Riverside County permitting. The project premise encompasses approximately 6 acres of land in Riverside County, California and consists of 4 DMAs that were modeled.

EXISTING CONDITIONS

The project boundary consists of approximately 6 acres of undeveloped gravel and grassland/shrubland. The majority of the parcels drain to the south with one DMA draining to the southeast. The project is on a mild slope with no offsite drainage entering the site.

PROPOSED CONDITIONS

The proposed use of the site will be a Battery Energy Storage System (BESS). The facility will consist of BESS infrastructure, gravel access roads and a perimeter security fence. The BESS infrastructure is considered impervious and all the majority of the site will be gravel. There will be four Bioretention ponds installed on the downstream portion of each separate DMA and the edges of the site that will be graded will be seeded with a grass mix. The Bioretention basins will discharge in the same drainage area that the existing drainage areas were in existing conditions. Minor offsite improvements will occur to the roads adjacent to the project to allow for equipment delivery, however City of Beaumont staff has not requested treatment of offsite streets. Runoff will be conveyed thru a grassed swale prior to ultimate discharge.

HYDROMODIFICATION RATES

The project was divided into three different drainage management areas (DMAs) to analyze the 2-year discharge rates. HEC-HMS modeling software was used to complete the hydrologic and hydraulic modeling. HydroCAD modeling software was used to obtain the weighted CN and lag time. Atlas-14 precipitation data was downloaded and used as input for the analysis.

To calculate existing peak discharge rates, hydrologic soil groups were determined for the site area. USDA-NRCS SSURGO soils data provided a general idea of the soils in the area and was verified based on the Geotechnical report. Onsite soils are classified as Hydrologic Soils Groups C as a conservative assumption.

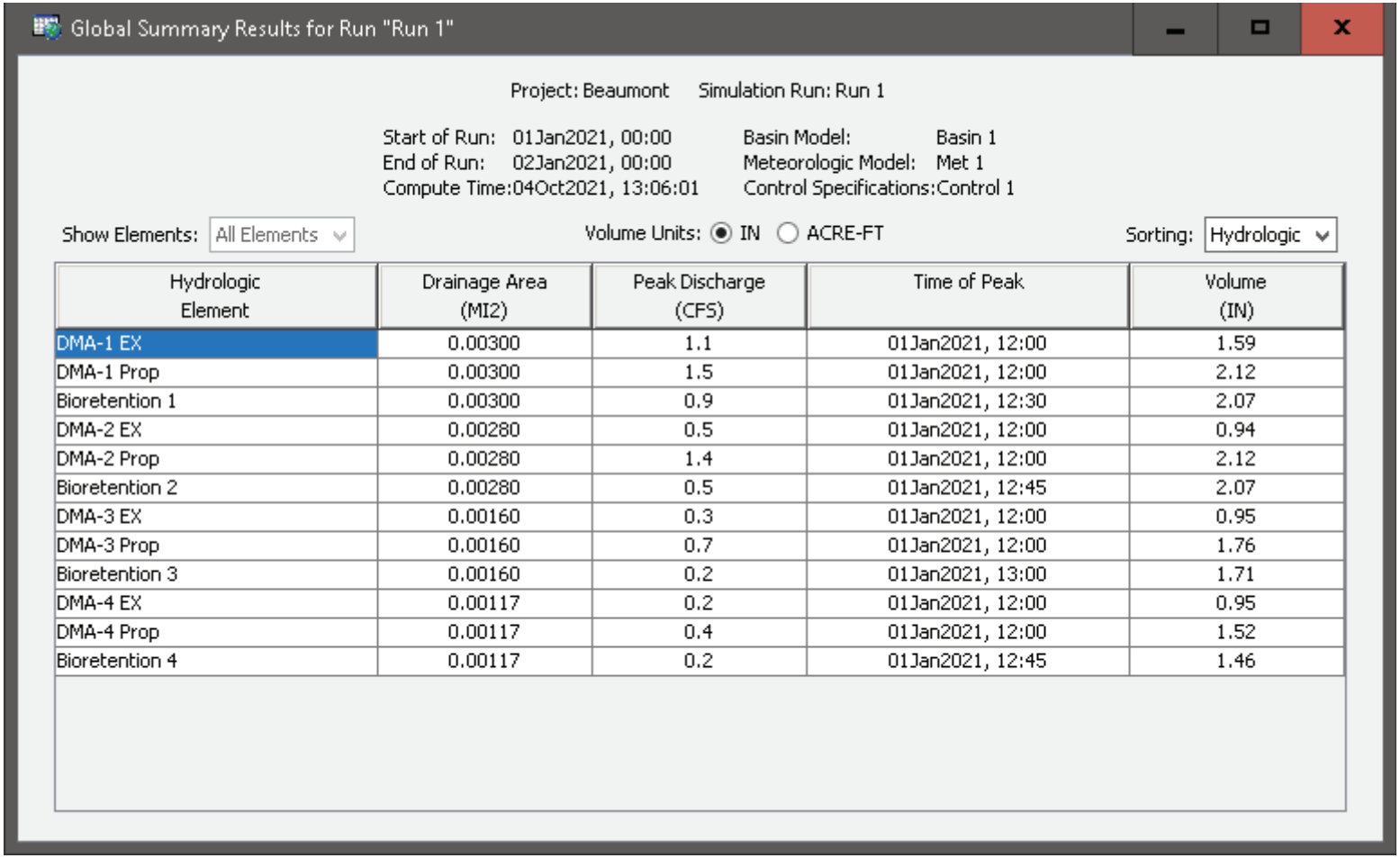
The curve numbers and lag times were input into HEC-HMS along with the lag time to get the existing and proposed 2-year runoff rates. Since the runoff rates increased Hydromodification was required, and to mitigate the flow rates the Bioretention basins were sized larger. Table 1 below shows a summary of the runoff rates

Table 1. 2-Year Pre-Post Discharge Comparison Table

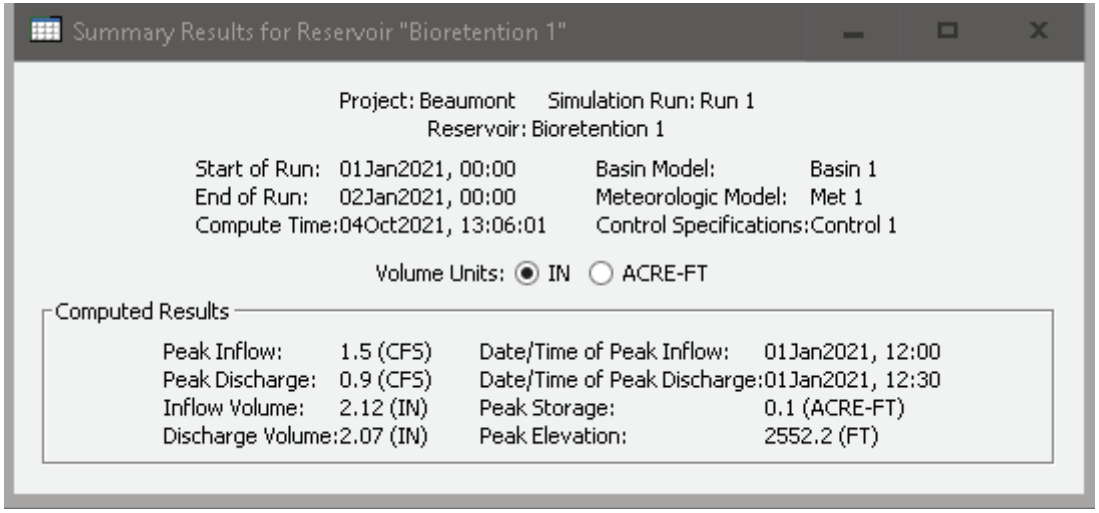
2-Year Peak Discharge Rates (cfs)			
Storm Event	**Existing Conditions**	**Proposed Conditions w/o Basin**	**Proposed Conditions With Basins**
DMA-1	1.1	1.5	0.9
DMA-2	0.5	1.4	0.5
DMA-3	0.3	0.7	0.2
DMA-4	0.2	0.4	0.2

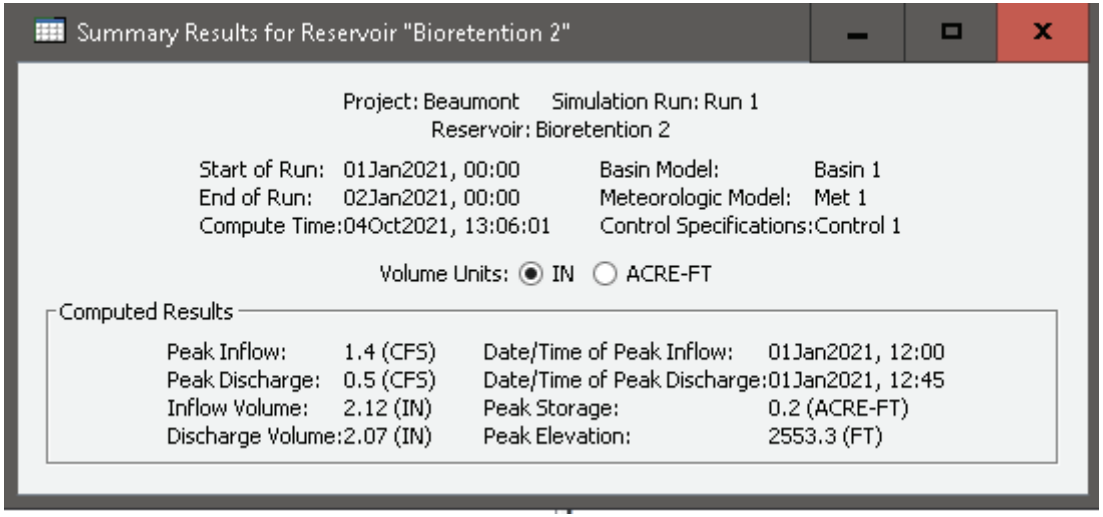
SUMMARY

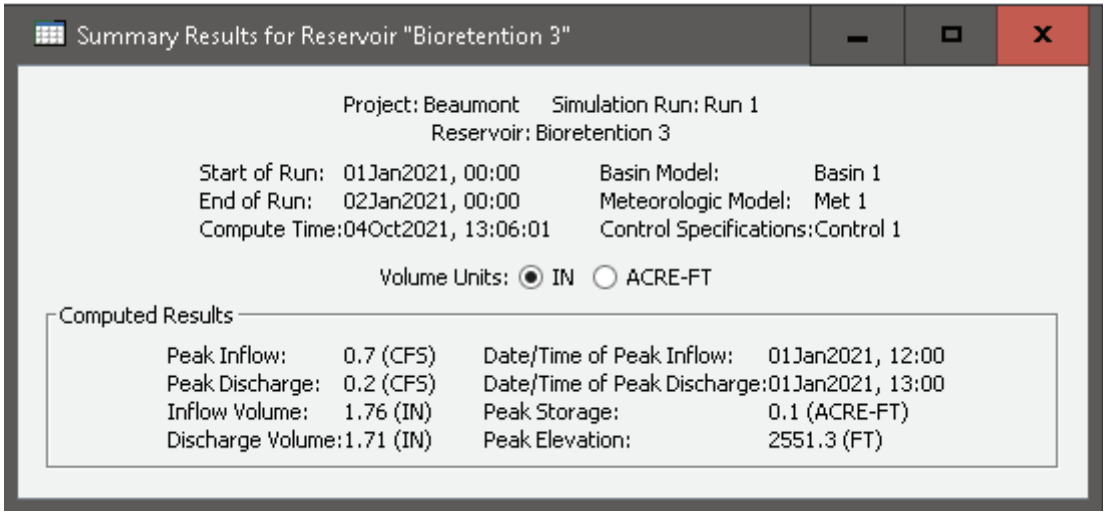
This analysis shows that overall the runoff rates from the site decrease following the creation of the BESS facility and construction of the Bioretention basins. With the addition of the basins the hydromodification requirements for the site are met and all drainage patterns will remain similar to existing conditions.

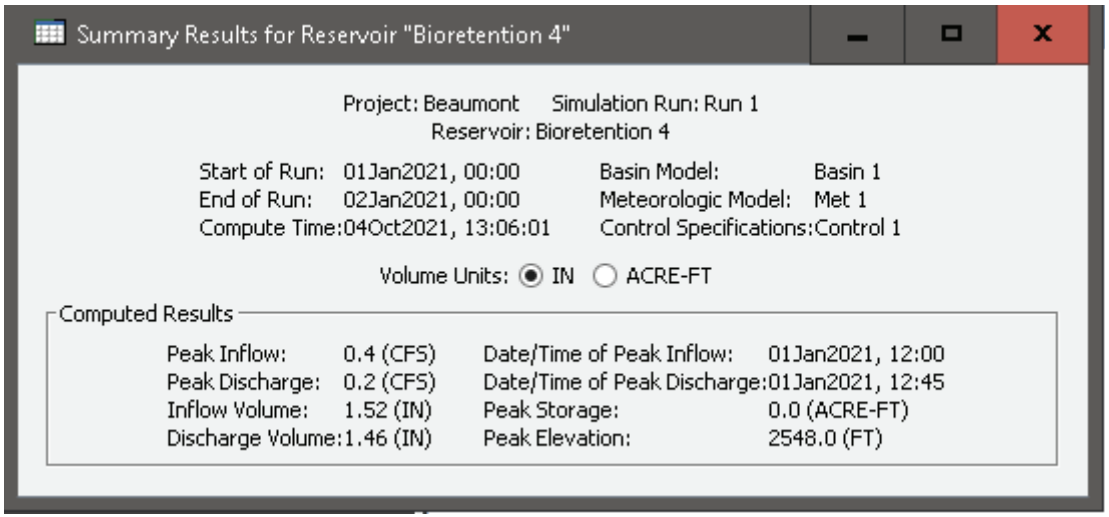


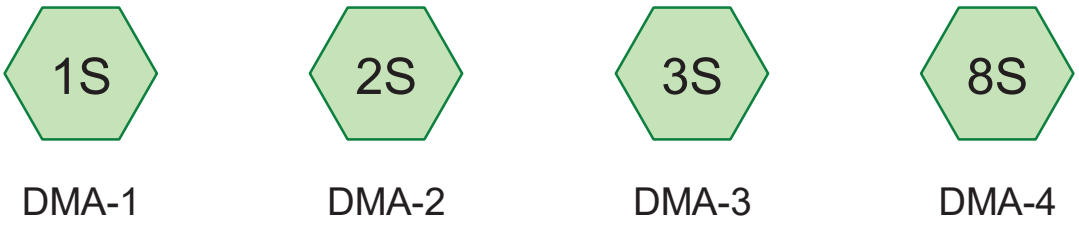
Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
DMA-1 EX	0.00300	1.1	01Jan2021, 12:00	1.59
DMA-1 Prop	0.00300	1.5	01Jan2021, 12:00	2.12
Bioretention 1	0.00300	0.9	01Jan2021, 12:30	2.07
DMA-2 EX	0.00280	0.5	01Jan2021, 12:00	0.94
DMA-2 Prop	0.00280	1.4	01Jan2021, 12:00	2.12
Bioretention 2	0.00280	0.5	01Jan2021, 12:45	2.07
DMA-3 EX	0.00160	0.3	01Jan2021, 12:00	0.95
DMA-3 Prop	0.00160	0.7	01Jan2021, 12:00	1.76
Bioretention 3	0.00160	0.2	01Jan2021, 13:00	1.71
DMA-4 EX	0.00117	0.2	01Jan2021, 12:00	0.95
DMA-4 Prop	0.00117	0.4	01Jan2021, 12:00	1.52
Bioretention 4	0.00117	0.2	01Jan2021, 12:45	1.46

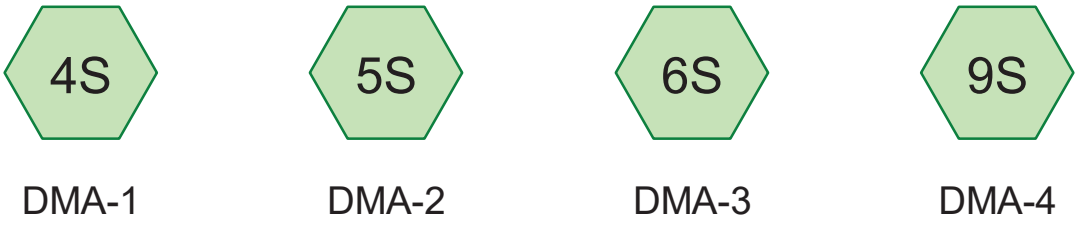

Summary Results for Reservoir "Bioretention 1"
Project: Beaumont Simulation Run: Run 1
Reservoir: Bioretention 1
Start of Run: 01Jan2021, 00:00
End of Run: 02Jan2021, 00:00
Compute Time: 04Oct2021, 13:06:01
Basin Model: Basin 1
Meteorologic Model: Met 1
Control Specifications: Control 1
Volume Units: IN ACRE-FT
Computed Results
Peak Inflow: 1.5 (CFS)
Peak Discharge: 0.9 (CFS)
Inflow Volume: 2.12 (IN)
Discharge Volume: 2.07 (IN)
Date/Time of Peak Inflow: 01Jan2021, 12:00
Date/Time of Peak Discharge: 01Jan2021, 12:30
Peak Storage: 0.1 (ACRE-FT)
Peak Elevation: 2552.2 (FT)

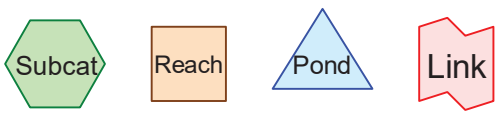

Summary Results for Reservoir "Bioretention 2"
Project: Beaumont Simulation Run: Run 1
Reservoir: Bioretention 2
Start of Run: 01Jan2021, 00:00
End of Run: 02Jan2021, 00:00
Compute Time: 04Oct2021, 13:06:01
Basin Model: Basin 1
Meteorologic Model: Met 1
Control Specifications: Control 1
Volume Units: IN ACRE-FT
Computed Results
Peak Inflow: 1.4 (CFS)
Peak Discharge: 0.5 (CFS)
Inflow Volume: 2.12 (IN)
Discharge Volume: 2.07 (IN)
Date/Time of Peak Inflow: 01Jan2021, 12:00
Date/Time of Peak Discharge: 01Jan2021, 12:45
Peak Storage: 0.2 (ACRE-FT)
Peak Elevation: 2553.3 (FT)


Summary Results for Reservoir "Bioretention 3"
Project: Beaumont Simulation Run: Run 1
Reservoir: Bioretention 3
Start of Run: 01Jan2021, 00:00
End of Run: 02Jan2021, 00:00
Compute Time: 04Oct2021, 13:06:01
Basin Model: Basin 1
Meteorologic Model: Met 1
Control Specifications: Control 1
Volume Units: IN ACRE-FT
Computed Results
Peak Inflow: 0.7 (CFS)
Peak Discharge: 0.2 (CFS)
Inflow Volume: 1.76 (IN)
Discharge Volume: 1.71 (IN)
Date/Time of Peak Inflow: 01Jan2021, 12:00
Date/Time of Peak Discharge: 01Jan2021, 13:00
Peak Storage: 0.1 (ACRE-FT)
Peak Elevation: 2551.3 (FT)


Summary Results for Reservoir "Bioretention 4"
Project: Beaumont Simulation Run: Run 1
Reservoir: Bioretention 4
Start of Run: 01Jan2021, 00:00
End of Run: 02Jan2021, 00:00
Compute Time: 04Oct2021, 13:06:01
Basin Model: Basin 1
Meteorologic Model: Met 1
Control Specifications: Control 1
Volume Units: IN ACRE-FT
Computed Results
Peak Inflow: 0.4 (CFS)
Peak Discharge: 0.2 (CFS)
Inflow Volume: 1.52 (IN)
Discharge Volume: 1.46 (IN)
Date/Time of Peak Inflow: 01Jan2021, 12:00
Date/Time of Peak Discharge: 01Jan2021, 12:45
Peak Storage: 0.0 (ACRE-FT)
Peak Elevation: 2548.0 (FT)







Routing Diagram for 2021-03-31_Modeling
Prepared by Westwood, Printed 10/4/2021
HydroCAD® 10.10-3a s/n 03363 © 2020 HydroCAD Software Solutions LLC

Rainfall Events Listing

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1-yr	BeaumontBS 24-hr S1	1-yr	Default	24.00	1	2.06	2
2	2-yr	BeaumontBS 24-hr S1	2-yr	Default	24.00	1	2.67	2
3	5-yr	BeaumontBS 24-hr S1	5-yr	Default	24.00	1	3.47	2
4	10-yr	BeaumontBS 24-hr S1	10-yr	Default	24.00	1	4.13	2
5	25-yr	BeaumontBS 24-hr S1	25-yr	Default	24.00	1	5.03	2
6	50-yr	BeaumontBS 24-hr S1	50-yr	Default	24.00	1	5.73	2
7	100-yr	BeaumontBS 24-hr S1	100-yr	Default	24.00	1	6.44	2
8	200-yr	BeaumontBS 24-hr S1	200-yr	Default	24.00	1	7.18	2
9	500-yr	BeaumontBS 24-hr S1	500-yr	Default	24.00	1	8.18	2
10	1000-yr	BeaumontBS 24-hr S1	1000-yr	Default	24.00	1	8.96	2

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.220	96	(9S)
0.170	98	(9S)
5.560	79	50-75% Grass cover, Fair, HSG C (1S, 2S, 3S, 4S, 5S, 6S, 8S, 9S)
3.710	96	Gravel surface, HSG C (1S, 4S, 5S, 6S)
1.460	98	Unconnected roofs, HSG C (4S, 5S, 6S)
11.120	**88**	**TOTAL AREA**

Summary for Subcatchment 1S: DMA-1

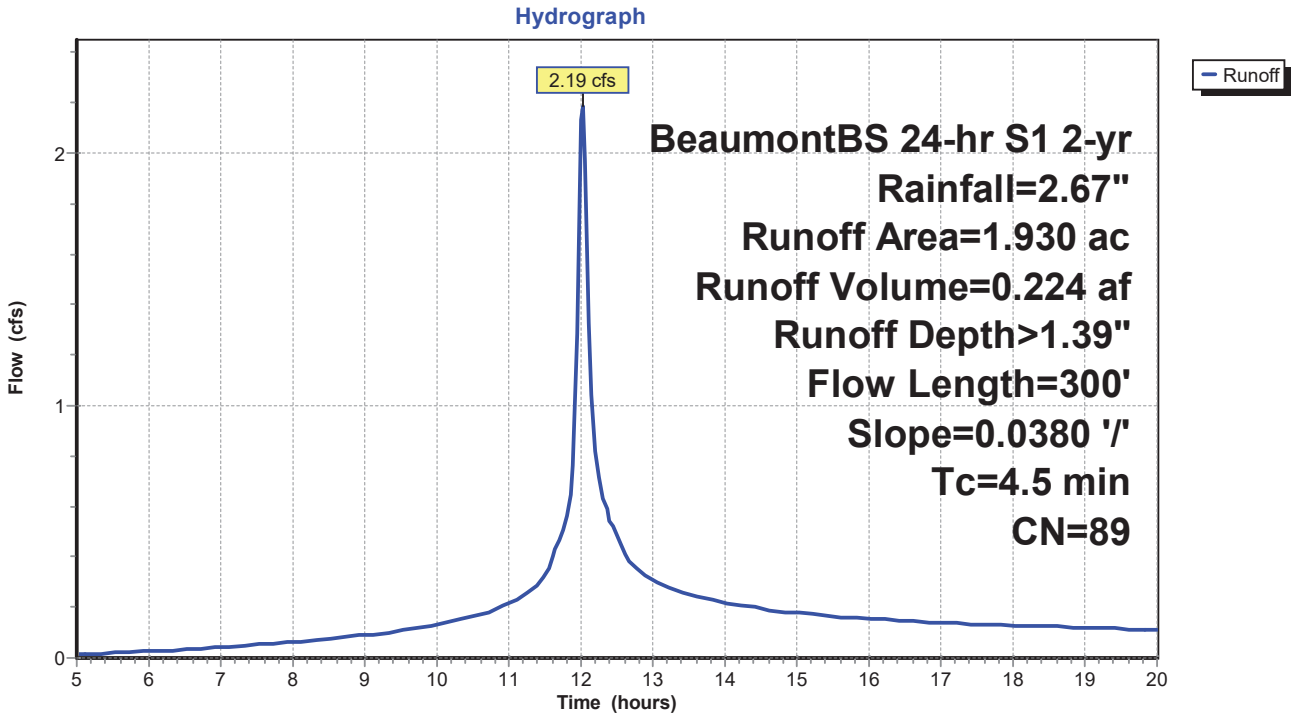
Runoff = 2.19 cfs @ 12.02 hrs, Volume= 0.224 af, Depth> 1.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

Area (ac)	CN	Description
0.840	79	50-75% Grass cover, Fair, HSG C
1.090	96	Gravel surface, HSG C
1.930	89	Weighted Average
1.930		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5	300	0.0380	1.10		**Lag/CN Method,**

Subcatchment 1S: DMA-1



Hydrograph for Subcatchment 1S: DMA-1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.00	0.01
5.25	0.32	0.00	0.01
5.50	0.34	0.01	0.02
5.75	0.36	0.01	0.02
6.00	0.38	0.01	0.03
6.25	0.40	0.02	0.03
6.50	0.41	0.02	0.03
6.75	0.44	0.02	0.04
7.00	0.46	0.03	0.04
7.25	0.48	0.04	0.05
7.50	0.50	0.04	0.05
7.75	0.52	0.05	0.06
8.00	0.54	0.06	0.06
8.25	0.57	0.07	0.07
8.50	0.59	0.08	0.08
8.75	0.62	0.09	0.08
9.00	0.65	0.10	0.09
9.25	0.67	0.11	0.10
9.50	0.70	0.12	0.11
9.75	0.74	0.14	0.12
10.00	0.77	0.15	0.13
10.25	0.80	0.17	0.14
10.50	0.84	0.19	0.16
10.75	0.88	0.22	0.18
11.00	0.93	0.24	0.21
11.25	0.98	0.27	0.26
11.50	1.05	0.31	0.33
11.75	1.14	0.37	0.51
12.00	1.40	0.56	**2.13**
12.25	1.55	0.67	0.72
12.50	1.63	0.73	0.49
12.75	1.70	0.78	0.36
13.00	1.75	0.82	0.31
13.25	1.79	0.86	0.28
13.50	1.83	0.89	0.25
13.75	1.87	0.92	0.23
14.00	1.91	0.95	0.22
14.25	1.94	0.98	0.21
14.50	1.97	1.00	0.20
14.75	2.00	1.03	0.19
15.00	2.03	1.05	0.18
15.25	2.05	1.07	0.17
15.50	2.08	1.09	0.17
15.75	2.10	1.11	0.16
16.00	2.13	1.13	0.16
16.25	2.15	1.15	0.15
16.50	2.17	1.17	0.15
16.75	2.19	1.19	0.14
17.00	2.22	1.21	0.14
17.25	2.24	1.23	0.14
17.50	2.26	1.24	0.13
17.75	2.28	1.26	0.13
18.00	2.30	1.28	0.13
18.25	2.31	1.29	0.13
18.50	2.33	1.31	0.12
18.75	2.35	1.32	0.12
19.00	2.37	1.34	0.12
19.25	2.39	1.36	0.12
19.50	2.40	1.37	0.11
19.75	2.42	1.38	0.11
20.00	**2.44**	**1.40**	0.11

Summary for Subcatchment 2S: DMA-2

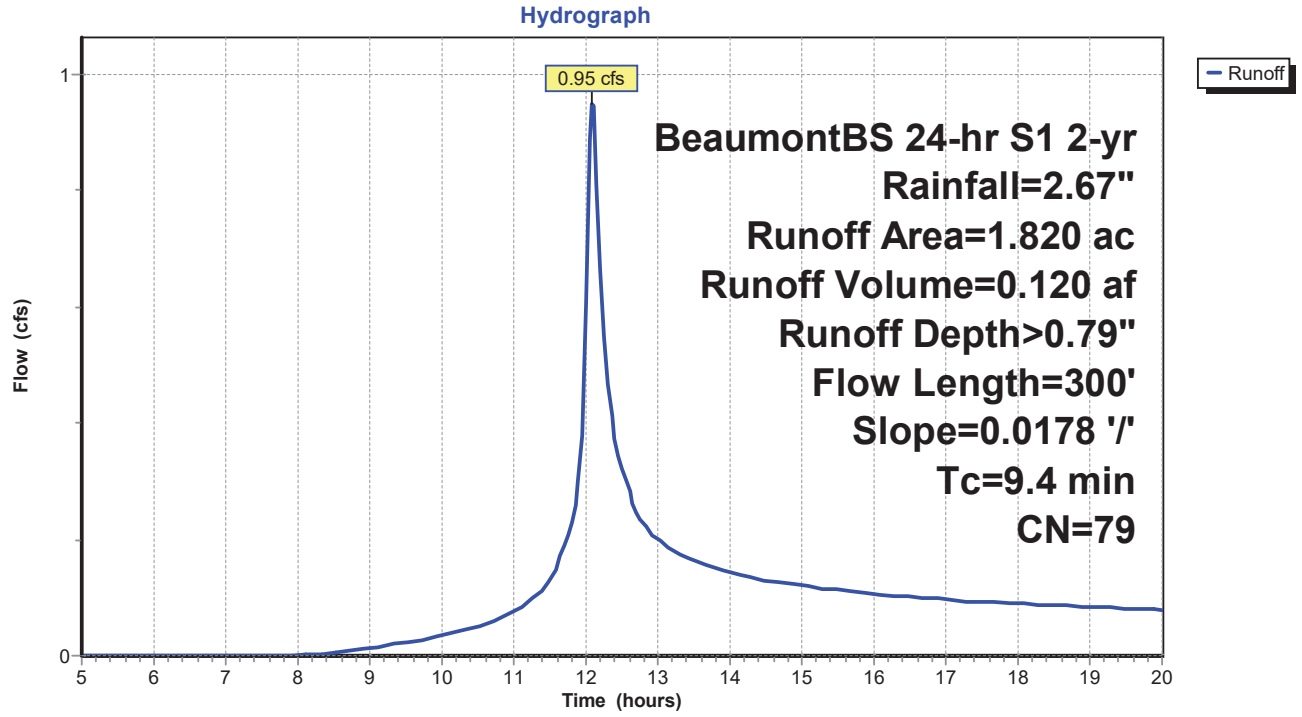
Runoff = 0.95 cfs @ 12.09 hrs, Volume= 0.120 af, Depth> 0.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

Area (ac)	CN	Description
1.820	79	50-75% Grass cover, Fair, HSG C
1.820		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.4	300	0.0178	0.53		**Lag/CN Method,**

Subcatchment 2S: DMA-2



Hydrograph for Subcatchment 2S: DMA-2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.00	0.00
5.25	0.32	0.00	0.00
5.50	0.34	0.00	0.00
5.75	0.36	0.00	0.00
6.00	0.38	0.00	0.00
6.25	0.40	0.00	0.00
6.50	0.41	0.00	0.00
6.75	0.44	0.00	0.00
7.00	0.46	0.00	0.00
7.25	0.48	0.00	0.00
7.50	0.50	0.00	0.00
7.75	0.52	0.00	0.00
8.00	0.54	0.00	0.00
8.25	0.57	0.00	0.00
8.50	0.59	0.00	0.01
8.75	0.62	0.00	0.01
9.00	0.65	0.00	0.01
9.25	0.67	0.01	0.02
9.50	0.70	0.01	0.02
9.75	0.74	0.01	0.03
10.00	0.77	0.02	0.04
10.25	0.80	0.03	0.04
10.50	0.84	0.03	0.05
10.75	0.88	0.04	0.06
11.00	0.93	0.05	0.08
11.25	0.98	0.07	0.10
11.50	1.05	0.08	0.13
11.75	1.14	0.11	0.21
12.00	1.40	0.21	**0.61**
12.25	1.55	0.28	**0.55**
12.50	1.63	0.32	0.32
12.75	1.70	0.35	0.23
13.00	1.75	0.38	0.20
13.25	1.79	0.41	0.18
13.50	1.83	0.43	0.16
13.75	1.87	0.45	0.15
14.00	1.91	0.47	0.14
14.25	1.94	0.49	0.14
14.50	1.97	0.50	0.13
14.75	2.00	0.52	0.13
15.00	2.03	0.54	0.12
15.25	2.05	0.55	0.12
15.50	2.08	0.57	0.11
15.75	2.10	0.58	0.11
16.00	2.13	0.60	0.11
16.25	2.15	0.61	0.10
16.50	2.17	0.63	0.10
16.75	2.19	0.64	0.10
17.00	2.22	0.65	0.10
17.25	2.24	0.67	0.10
17.50	2.26	0.68	0.09
17.75	2.28	0.69	0.09
18.00	2.30	0.70	0.09
18.25	2.31	0.72	0.09
18.50	2.33	0.73	0.09
18.75	2.35	0.74	0.09
19.00	2.37	0.75	0.08
19.25	2.39	0.76	0.08
19.50	2.40	0.77	0.08
19.75	2.42	0.78	0.08
20.00	**2.44**	**0.79**	0.08

Summary for Subcatchment 3S: DMA-3

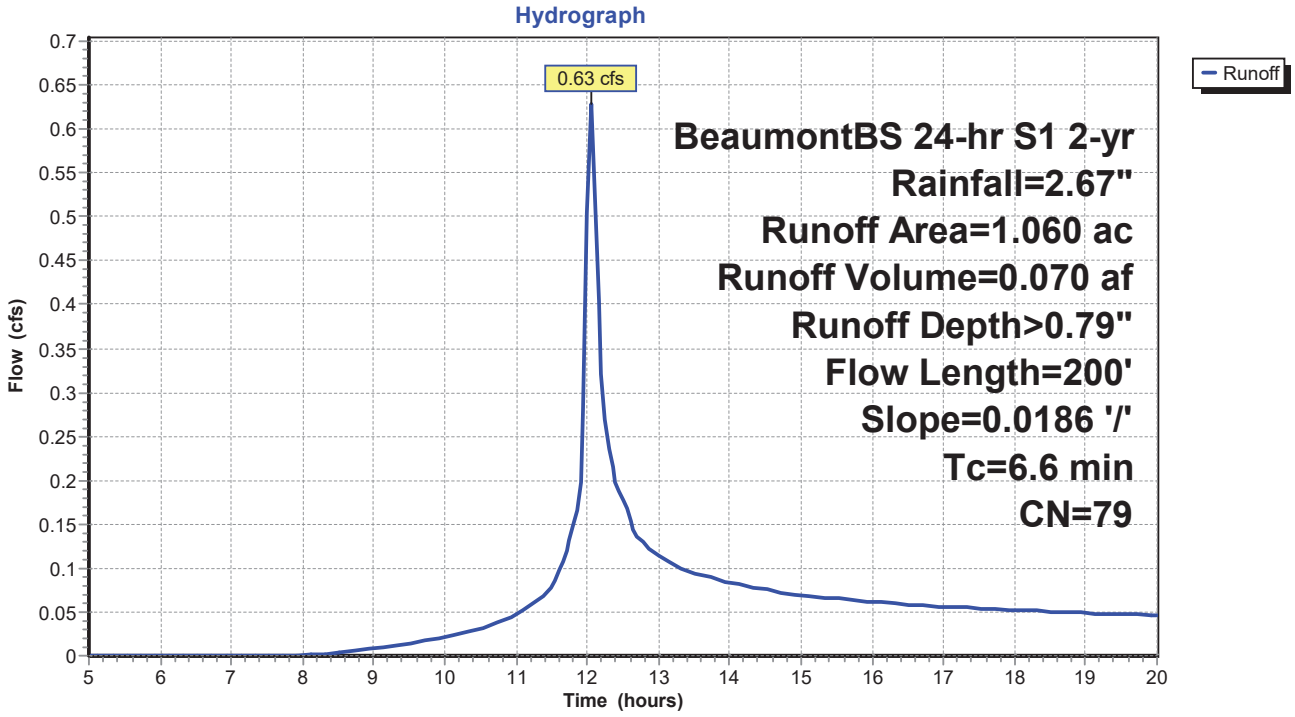
Runoff = 0.63 cfs @ 12.05 hrs, Volume= 0.070 af, Depth> 0.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

Area (ac)	CN	Description
1.060	79	50-75% Grass cover, Fair, HSG C
1.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	200	0.0186	0.50		**Lag/CN Method,**

Subcatchment 3S: DMA-3



Hydrograph for Subcatchment 3S: DMA-3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.00	0.00
5.25	0.32	0.00	0.00
5.50	0.34	0.00	0.00
5.75	0.36	0.00	0.00
6.00	0.38	0.00	0.00
6.25	0.40	0.00	0.00
6.50	0.41	0.00	0.00
6.75	0.44	0.00	0.00
7.00	0.46	0.00	0.00
7.25	0.48	0.00	0.00
7.50	0.50	0.00	0.00
7.75	0.52	0.00	0.00
8.00	0.54	0.00	0.00
8.25	0.57	0.00	0.00
8.50	0.59	0.00	0.00
8.75	0.62	0.00	0.01
9.00	0.65	0.00	0.01
9.25	0.67	0.01	0.01
9.50	0.70	0.01	0.01
9.75	0.74	0.01	0.02
10.00	0.77	0.02	0.02
10.25	0.80	0.03	0.03
10.50	0.84	0.03	0.03
10.75	0.88	0.04	0.04
11.00	0.93	0.05	0.05
11.25	0.98	0.07	0.06
11.50	1.05	0.08	0.08
11.75	1.14	0.11	0.13
12.00	1.40	0.21	**0.50**
12.25	1.55	0.28	**0.27**
12.50	1.63	0.32	0.18
12.75	1.70	0.35	0.13
13.00	1.75	0.38	0.11
13.25	1.79	0.41	0.10
13.50	1.83	0.43	0.09
13.75	1.87	0.45	0.09
14.00	1.91	0.47	0.08
14.25	1.94	0.49	0.08
14.50	1.97	0.50	0.08
14.75	2.00	0.52	0.07
15.00	2.03	0.54	0.07
15.25	2.05	0.55	0.07
15.50	2.08	0.57	0.07
15.75	2.10	0.58	0.06
16.00	2.13	0.60	0.06
16.25	2.15	0.61	0.06
16.50	2.17	0.63	0.06
16.75	2.19	0.64	0.06
17.00	2.22	0.65	0.06
17.25	2.24	0.67	0.06
17.50	2.26	0.68	0.05
17.75	2.28	0.69	0.05
18.00	2.30	0.70	0.05
18.25	2.31	0.72	0.05
18.50	2.33	0.73	0.05
18.75	2.35	0.74	0.05
19.00	2.37	0.75	0.05
19.25	2.39	0.76	0.05
19.50	2.40	0.77	0.05
19.75	2.42	0.78	0.05
20.00	**2.44**	**0.79**	0.05

Summary for Subcatchment 4S: DMA-1

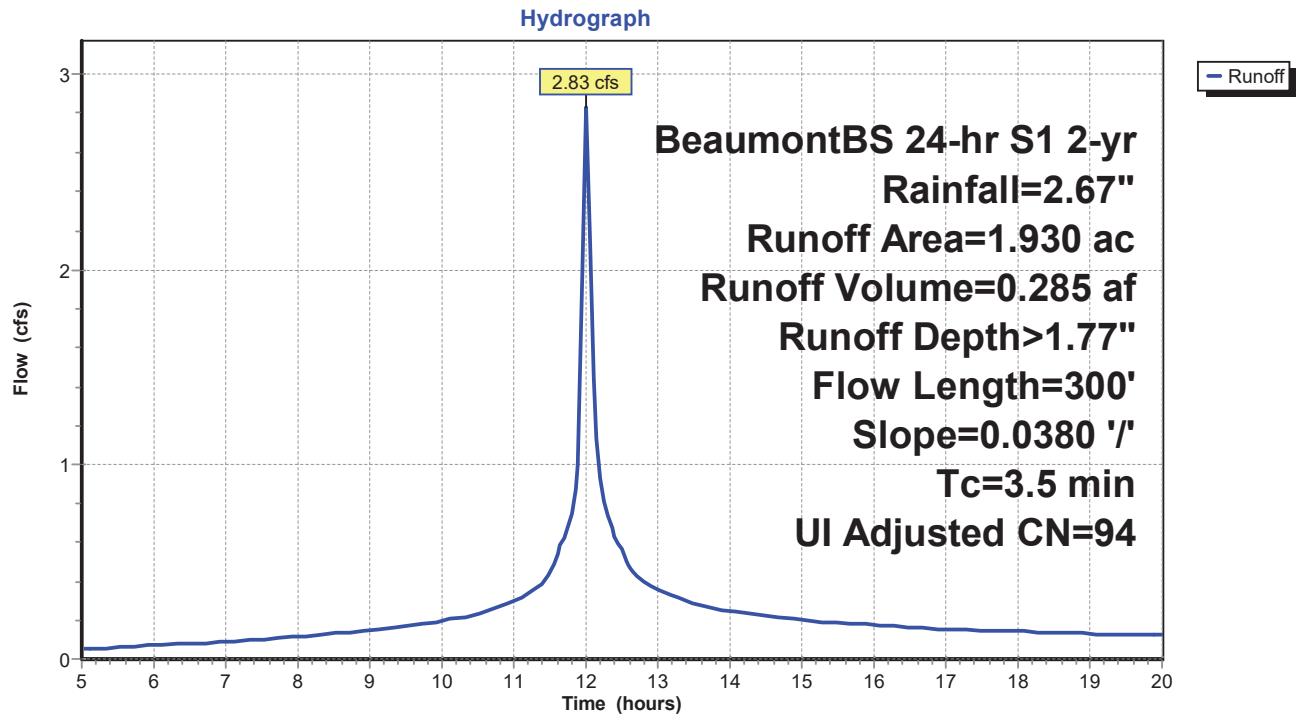
Runoff = 2.83 cfs @ 12.00 hrs, Volume= 0.285 af, Depth> 1.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

Area (ac)	CN	Adj	Description
0.190	79		50-75% Grass cover, Fair, HSG C
1.340	96		Gravel surface, HSG C
0.400	98		Unconnected roofs, HSG C
1.930	95	94	Weighted Average, UI Adjusted
1.530			79.27% Pervious Area
0.400			20.73% Impervious Area
0.400			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.5	300	0.0380	1.44		**Lag/CN Method,**

Subcatchment 4S: DMA-1



Hydrograph for Subcatchment 4S: DMA-1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.04	0.05
5.25	0.32	0.04	0.06
5.50	0.34	0.05	0.06
5.75	0.36	0.06	0.07
6.00	0.38	0.07	0.07
6.25	0.40	0.08	0.08
6.50	0.41	0.09	0.08
6.75	0.44	0.10	0.09
7.00	0.46	0.11	0.09
7.25	0.48	0.12	0.10
7.50	0.50	0.14	0.10
7.75	0.52	0.15	0.11
8.00	0.54	0.16	0.12
8.25	0.57	0.18	0.12
8.50	0.59	0.20	0.13
8.75	0.62	0.21	0.14
9.00	0.65	0.23	0.15
9.25	0.67	0.25	0.16
9.50	0.70	0.27	0.17
9.75	0.74	0.30	0.18
10.00	0.77	0.32	0.20
10.25	0.80	0.35	0.21
10.50	0.84	0.38	0.23
10.75	0.88	0.41	0.26
11.00	0.93	0.45	0.30
11.25	0.98	0.49	0.35
11.50	1.05	0.54	0.44
11.75	1.14	0.62	0.68
12.00	1.40	0.85	**2.83**
12.25	1.55	0.98	0.81
12.50	1.63	1.06	0.57
12.75	1.70	1.11	0.41
13.00	1.75	1.16	0.35
13.25	1.79	1.20	0.31
13.50	1.83	1.24	0.29
13.75	1.87	1.28	0.26
14.00	1.91	1.31	0.25
14.25	1.94	1.34	0.23
14.50	1.97	1.37	0.22
14.75	2.00	1.39	0.21
15.00	2.03	1.42	0.20
15.25	2.05	1.45	0.19
15.50	2.08	1.47	0.19
15.75	2.10	1.49	0.18
16.00	2.13	1.52	0.17
16.25	2.15	1.54	0.17
16.50	2.17	1.56	0.16
16.75	2.19	1.58	0.16
17.00	2.22	1.60	0.15
17.25	2.24	1.62	0.15
17.50	2.26	1.64	0.15
17.75	2.28	1.66	0.14
18.00	2.30	1.67	0.14
18.25	2.31	1.69	0.14
18.50	2.33	1.71	0.14
18.75	2.35	1.73	0.13
19.00	2.37	1.74	0.13
19.25	2.39	1.76	0.13
19.50	2.40	1.78	0.13
19.75	2.42	1.79	0.12
20.00	**2.44**	**1.81**	0.12

Summary for Subcatchment 5S: DMA-2

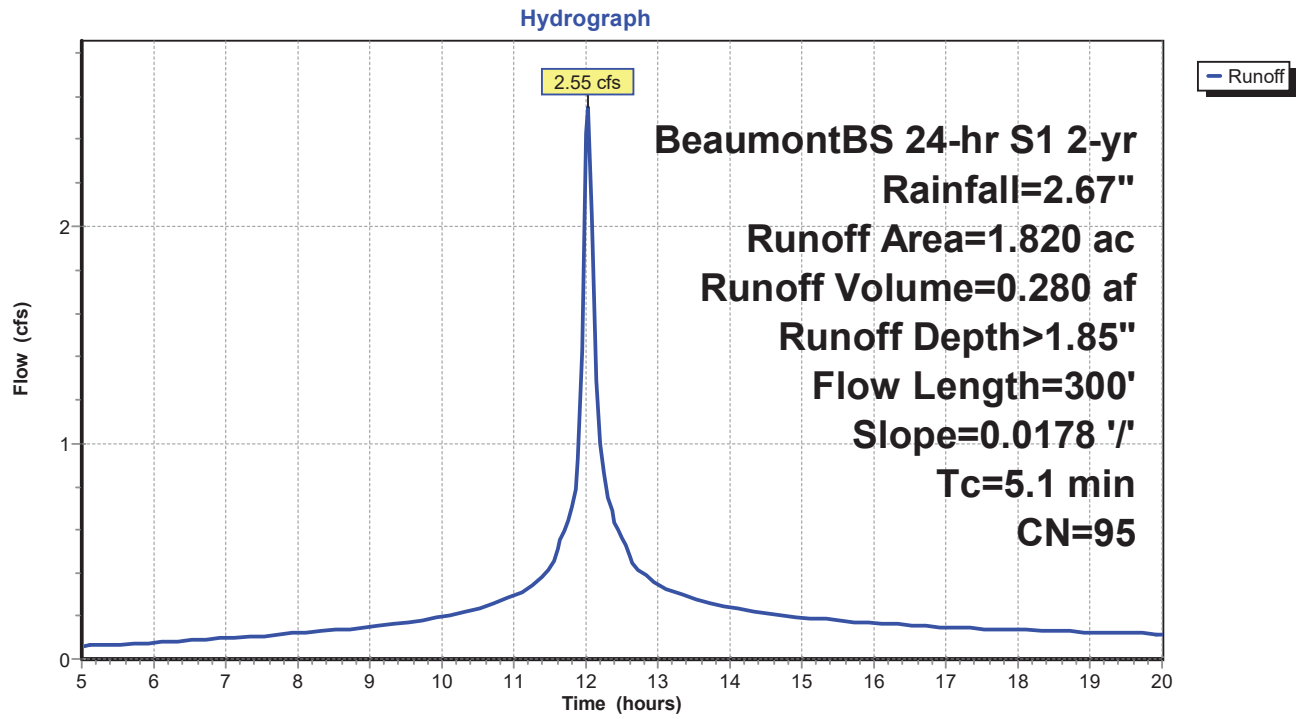
Runoff = 2.55 cfs @ 12.02 hrs, Volume= 0.280 af, Depth> 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

Area (ac)	CN	Description
0.190	79	50-75% Grass cover, Fair, HSG C
0.700	98	Unconnected roofs, HSG C
0.930	96	Gravel surface, HSG C
1.820	95	Weighted Average
1.120		61.54% Pervious Area
0.700		38.46% Impervious Area
0.700		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.1	300	0.0178	0.98		**Lag/CN Method,**

Subcatchment 5S: DMA-2



Hydrograph for Subcatchment 5S: DMA-2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.05	0.06
5.25	0.32	0.06	0.06
5.50	0.34	0.07	0.07
5.75	0.36	0.08	0.07
6.00	0.38	0.09	0.08
6.25	0.40	0.10	0.08
6.50	0.41	0.11	0.09
6.75	0.44	0.13	0.09
7.00	0.46	0.14	0.10
7.25	0.48	0.15	0.10
7.50	0.50	0.17	0.11
7.75	0.52	0.18	0.11
8.00	0.54	0.20	0.12
8.25	0.57	0.22	0.13
8.50	0.59	0.24	0.13
8.75	0.62	0.25	0.14
9.00	0.65	0.27	0.15
9.25	0.67	0.30	0.16
9.50	0.70	0.32	0.17
9.75	0.74	0.34	0.18
10.00	0.77	0.37	0.20
10.25	0.80	0.40	0.21
10.50	0.84	0.43	0.23
10.75	0.88	0.46	0.26
11.00	0.93	0.50	0.29
11.25	0.98	0.55	0.34
11.50	1.05	0.60	0.43
11.75	1.14	0.69	0.64
12.00	1.40	0.92	**2.43**
12.25	1.55	1.06	0.85
12.50	1.63	1.14	0.56
12.75	1.70	1.20	0.41
13.00	1.75	1.24	0.35
13.25	1.79	1.29	0.31
13.50	1.83	1.32	0.28
13.75	1.87	1.36	0.26
14.00	1.91	1.39	0.24
14.25	1.94	1.42	0.22
14.50	1.97	1.45	0.21
14.75	2.00	1.48	0.20
15.00	2.03	1.51	0.19
15.25	2.05	1.53	0.19
15.50	2.08	1.56	0.18
15.75	2.10	1.58	0.17
16.00	2.13	1.60	0.17
16.25	2.15	1.63	0.16
16.50	2.17	1.65	0.16
16.75	2.19	1.67	0.15
17.00	2.22	1.69	0.15
17.25	2.24	1.71	0.14
17.50	2.26	1.73	0.14
17.75	2.28	1.75	0.14
18.00	2.30	1.77	0.14
18.25	2.31	1.78	0.13
18.50	2.33	1.80	0.13
18.75	2.35	1.82	0.13
19.00	2.37	1.84	0.12
19.25	2.39	1.85	0.12
19.50	2.40	1.87	0.12
19.75	2.42	1.89	0.12
20.00	**2.44**	**1.90**	0.12

Summary for Subcatchment 6S: DMA-3

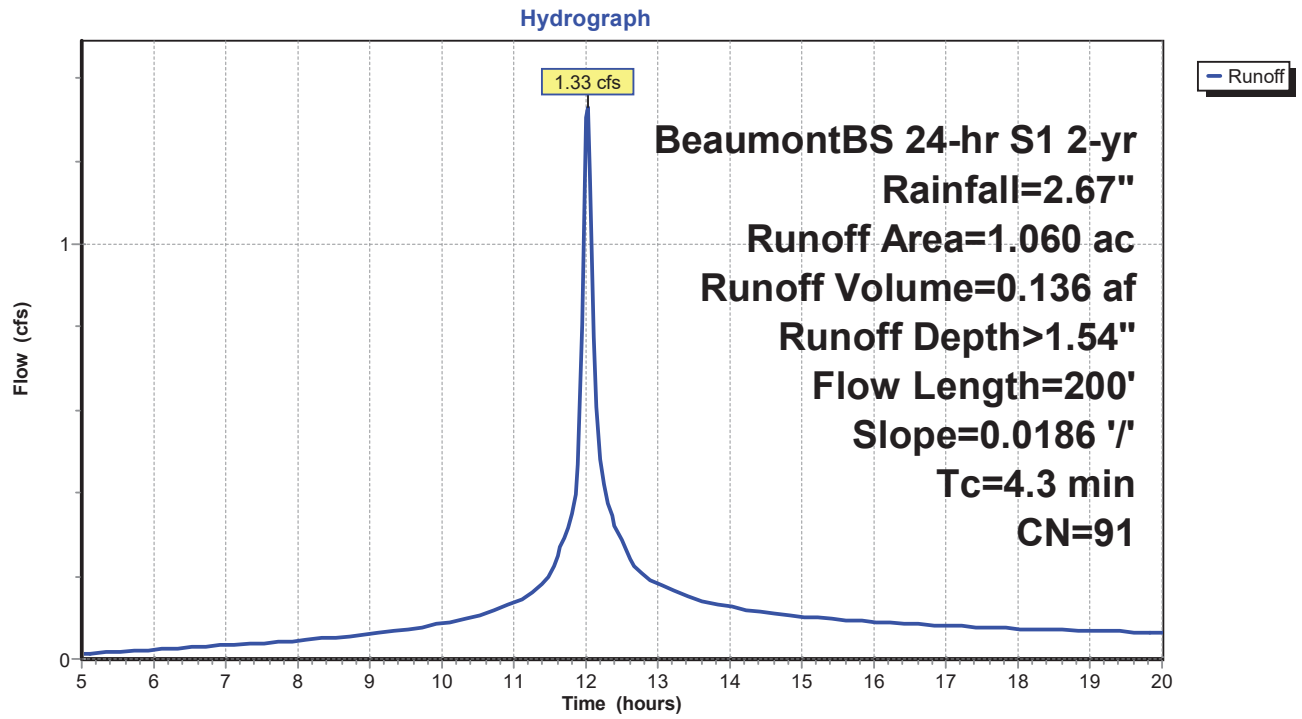
Runoff = 1.33 cfs @ 12.01 hrs, Volume= 0.136 af, Depth> 1.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

Area (ac)	CN	Description
0.350	79	50-75% Grass cover, Fair, HSG C
0.350	96	Gravel surface, HSG C
0.360	98	Unconnected roofs, HSG C
1.060	91	Weighted Average
0.700		66.04% Pervious Area
0.360		33.96% Impervious Area
0.360		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.3	200	0.0186	0.77		**Lag/CN Method,**

Subcatchment 6S: DMA-3



Hydrograph for Subcatchment 6S: DMA-3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.01	0.01
5.25	0.32	0.01	0.02
5.50	0.34	0.02	0.02
5.75	0.36	0.02	0.02
6.00	0.38	0.03	0.02
6.25	0.40	0.03	0.02
6.50	0.41	0.04	0.03
6.75	0.44	0.05	0.03
7.00	0.46	0.05	0.03
7.25	0.48	0.06	0.04
7.50	0.50	0.07	0.04
7.75	0.52	0.08	0.04
8.00	0.54	0.09	0.04
8.25	0.57	0.10	0.05
8.50	0.59	0.11	0.05
8.75	0.62	0.13	0.06
9.00	0.65	0.14	0.06
9.25	0.67	0.16	0.07
9.50	0.70	0.17	0.07
9.75	0.74	0.19	0.08
10.00	0.77	0.21	0.08
10.25	0.80	0.23	0.09
10.50	0.84	0.25	0.10
10.75	0.88	0.28	0.12
11.00	0.93	0.31	0.14
11.25	0.98	0.35	0.16
11.50	1.05	0.39	0.20
11.75	1.14	0.46	0.32
12.00	1.40	0.66	**1.30**
12.25	1.55	0.78	0.42
12.50	1.63	0.85	0.29
12.75	1.70	0.90	0.21
13.00	1.75	0.95	0.18
13.25	1.79	0.98	0.16
13.50	1.83	1.02	0.15
13.75	1.87	1.05	0.14
14.00	1.91	1.08	0.13
14.25	1.94	1.11	0.12
14.50	1.97	1.14	0.11
14.75	2.00	1.16	0.11
15.00	2.03	1.19	0.10
15.25	2.05	1.21	0.10
15.50	2.08	1.23	0.10
15.75	2.10	1.25	0.09
16.00	2.13	1.28	0.09
16.25	2.15	1.30	0.09
16.50	2.17	1.32	0.08
16.75	2.19	1.34	0.08
17.00	2.22	1.35	0.08
17.25	2.24	1.37	0.08
17.50	2.26	1.39	0.08
17.75	2.28	1.41	0.07
18.00	2.30	1.43	0.07
18.25	2.31	1.44	0.07
18.50	2.33	1.46	0.07
18.75	2.35	1.48	0.07
19.00	2.37	1.49	0.07
19.25	2.39	1.51	0.07
19.50	2.40	1.52	0.07
19.75	2.42	1.54	0.06
20.00	**2.44**	**1.55**	0.06

Summary for Subcatchment 8S: DMA-4

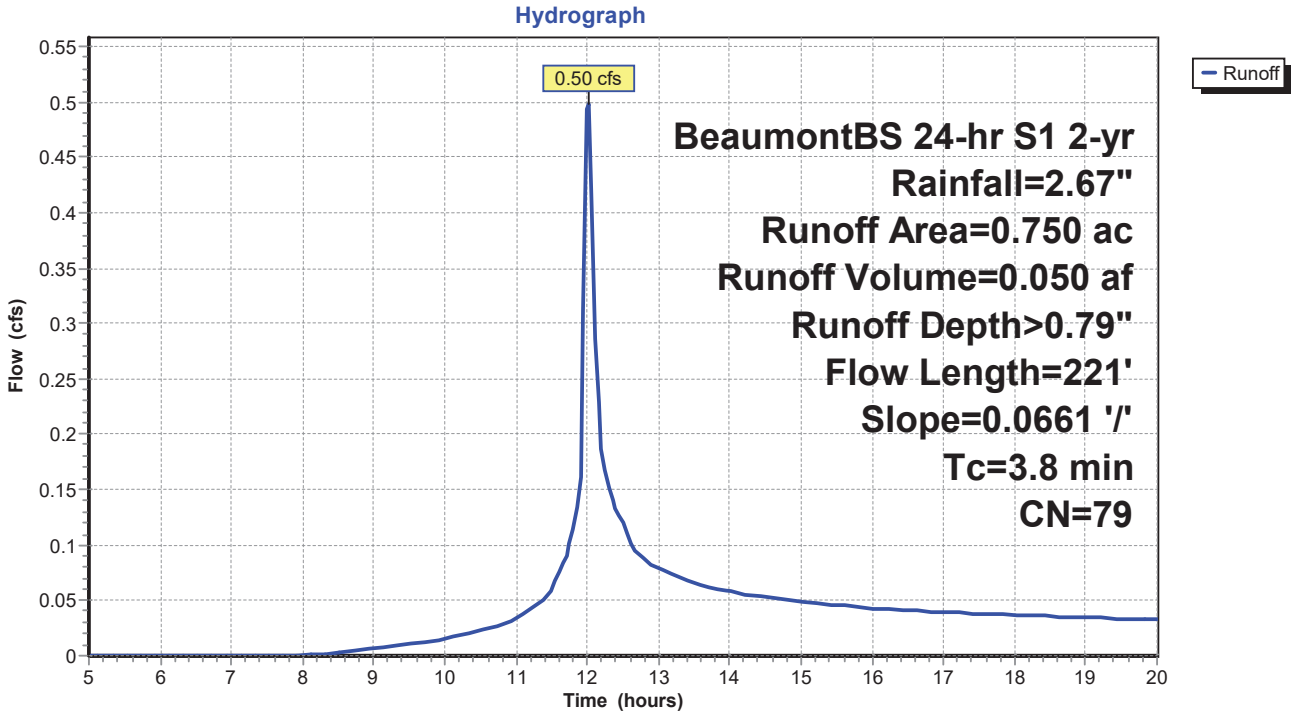
Runoff = 0.50 cfs @ 12.01 hrs, Volume= 0.050 af, Depth> 0.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

Area (ac)	CN	Description
0.750	79	50-75% Grass cover, Fair, HSG C
0.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.8	221	0.0661	0.97		**Lag/CN Method,**

Subcatchment 8S: DMA-4



Hydrograph for Subcatchment 8S: DMA-4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.00	0.00
5.25	0.32	0.00	0.00
5.50	0.34	0.00	0.00
5.75	0.36	0.00	0.00
6.00	0.38	0.00	0.00
6.25	0.40	0.00	0.00
6.50	0.41	0.00	0.00
6.75	0.44	0.00	0.00
7.00	0.46	0.00	0.00
7.25	0.48	0.00	0.00
7.50	0.50	0.00	0.00
7.75	0.52	0.00	0.00
8.00	0.54	0.00	0.00
8.25	0.57	0.00	0.00
8.50	0.59	0.00	0.00
8.75	0.62	0.00	0.00
9.00	0.65	0.00	0.01
9.25	0.67	0.01	0.01
9.50	0.70	0.01	0.01
9.75	0.74	0.01	0.01
10.00	0.77	0.02	0.02
10.25	0.80	0.03	0.02
10.50	0.84	0.03	0.02
10.75	0.88	0.04	0.03
11.00	0.93	0.05	0.03
11.25	0.98	0.07	0.04
11.50	1.05	0.08	0.06
11.75	1.14	0.11	0.10
12.00	1.40	0.21	**0.49**
12.25	1.55	0.28	0.17
12.50	1.63	0.32	0.12
12.75	1.70	0.35	0.09
13.00	1.75	0.38	0.08
13.25	1.79	0.41	0.07
13.50	1.83	0.43	0.07
13.75	1.87	0.45	0.06
14.00	1.91	0.47	0.06
14.25	1.94	0.49	0.06
14.50	1.97	0.50	0.05
14.75	2.00	0.52	0.05
15.00	2.03	0.54	0.05
15.25	2.05	0.55	0.05
15.50	2.08	0.57	0.05
15.75	2.10	0.58	0.04
16.00	2.13	0.60	0.04
16.25	2.15	0.61	0.04
16.50	2.17	0.63	0.04
16.75	2.19	0.64	0.04
17.00	2.22	0.65	0.04
17.25	2.24	0.67	0.04
17.50	2.26	0.68	0.04
17.75	2.28	0.69	0.04
18.00	2.30	0.70	0.04
18.25	2.31	0.72	0.04
18.50	2.33	0.73	0.04
18.75	2.35	0.74	0.04
19.00	2.37	0.75	0.03
19.25	2.39	0.76	0.03
19.50	2.40	0.77	0.03
19.75	2.42	0.78	0.03
20.00	**2.44**	**0.79**	0.03

Summary for Subcatchment 9S: DMA-4

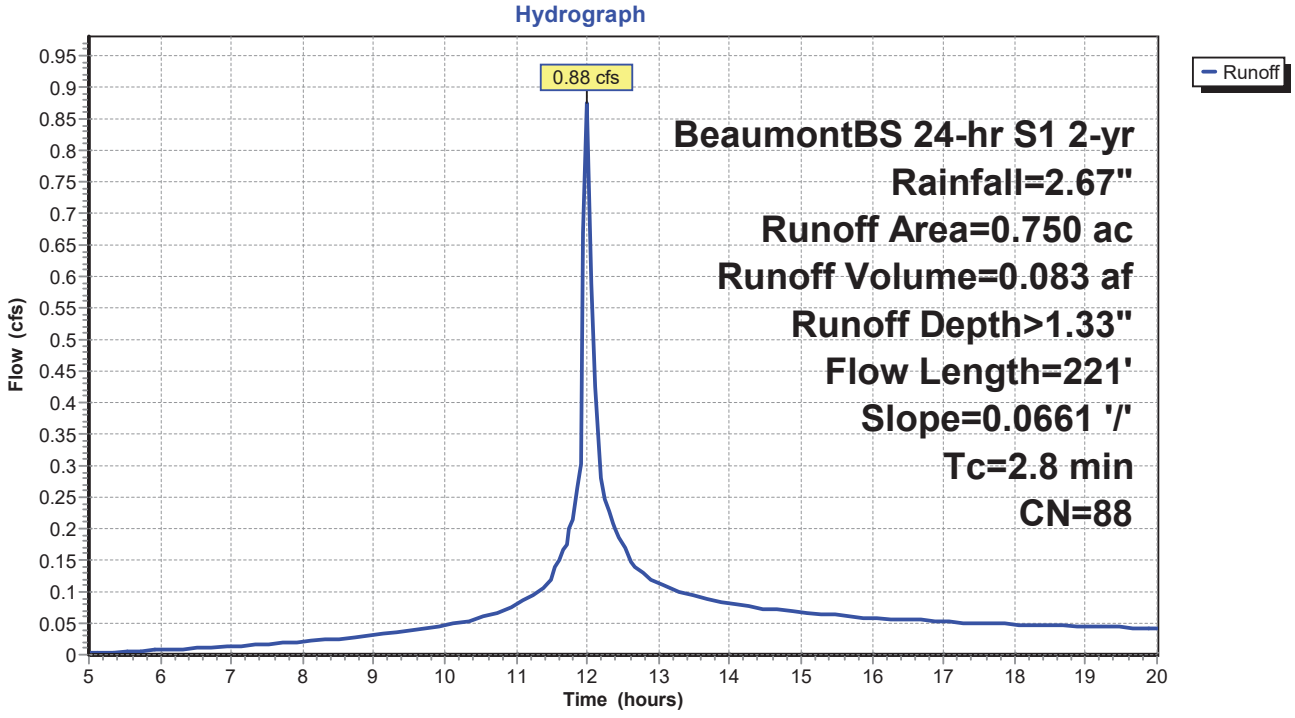
Runoff = 0.88 cfs @ 12.00 hrs, Volume= 0.083 af, Depth> 1.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
BeaumontBS 24-hr S1 2-yr Rainfall=2.67"

	Area (ac)	CN	Description
	0.360	79	50-75% Grass cover, Fair, HSG C
*	0.220	96	
*	0.170	98	
	0.750	88	Weighted Average
	0.580		77.33% Pervious Area
	0.170		22.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8	221	0.0661	1.31		**Lag/CN Method,**

Subcatchment 9S: DMA-4



Hydrograph for Subcatchment 9S: DMA-4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.30	0.00	0.00
5.25	0.32	0.00	0.00
5.50	0.34	0.00	0.00
5.75	0.36	0.00	0.01
6.00	0.38	0.01	0.01
6.25	0.40	0.01	0.01
6.50	0.41	0.01	0.01
6.75	0.44	0.02	0.01
7.00	0.46	0.02	0.01
7.25	0.48	0.03	0.02
7.50	0.50	0.03	0.02
7.75	0.52	0.04	0.02
8.00	0.54	0.05	0.02
8.25	0.57	0.05	0.02
8.50	0.59	0.06	0.03
8.75	0.62	0.07	0.03
9.00	0.65	0.08	0.03
9.25	0.67	0.09	0.03
9.50	0.70	0.10	0.04
9.75	0.74	0.12	0.04
10.00	0.77	0.13	0.05
10.25	0.80	0.15	0.05
10.50	0.84	0.17	0.06
10.75	0.88	0.19	0.07
11.00	0.93	0.21	0.08
11.25	0.98	0.24	0.10
11.50	1.05	0.28	0.12
11.75	1.14	0.34	0.20
12.00	1.40	0.51	**0.87**
12.25	1.55	0.62	0.25
12.50	1.63	0.68	0.18
12.75	1.70	0.73	0.13
13.00	1.75	0.77	0.11
13.25	1.79	0.80	0.10
13.50	1.83	0.83	0.09
13.75	1.87	0.86	0.09
14.00	1.91	0.89	0.08
14.25	1.94	0.92	0.08
14.50	1.97	0.94	0.07
14.75	2.00	0.96	0.07
15.00	2.03	0.99	0.07
15.25	2.05	1.01	0.06
15.50	2.08	1.03	0.06
15.75	2.10	1.05	0.06
16.00	2.13	1.07	0.06
16.25	2.15	1.09	0.06
16.50	2.17	1.11	0.06
16.75	2.19	1.12	0.05
17.00	2.22	1.14	0.05
17.25	2.24	1.16	0.05
17.50	2.26	1.18	0.05
17.75	2.28	1.19	0.05
18.00	2.30	1.21	0.05
18.25	2.31	1.22	0.05
18.50	2.33	1.24	0.05
18.75	2.35	1.25	0.05
19.00	2.37	1.27	0.04
19.25	2.39	1.28	0.04
19.50	2.40	1.30	0.04
19.75	2.42	1.31	0.04
20.00	**2.44**	**1.33**	0.04

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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.

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**
❑ **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

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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/

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**
❑ **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

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❑ **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.

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❑ **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/

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❑ **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.

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❑ **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

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❑ **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

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❑ **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

Documentation for this section shall be provided with the Final WQMP submittal.

Appendix 10: Educational Materials

BMP Fact Sheets, Maintenance Guidelines and Other End-User BMP Information

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:

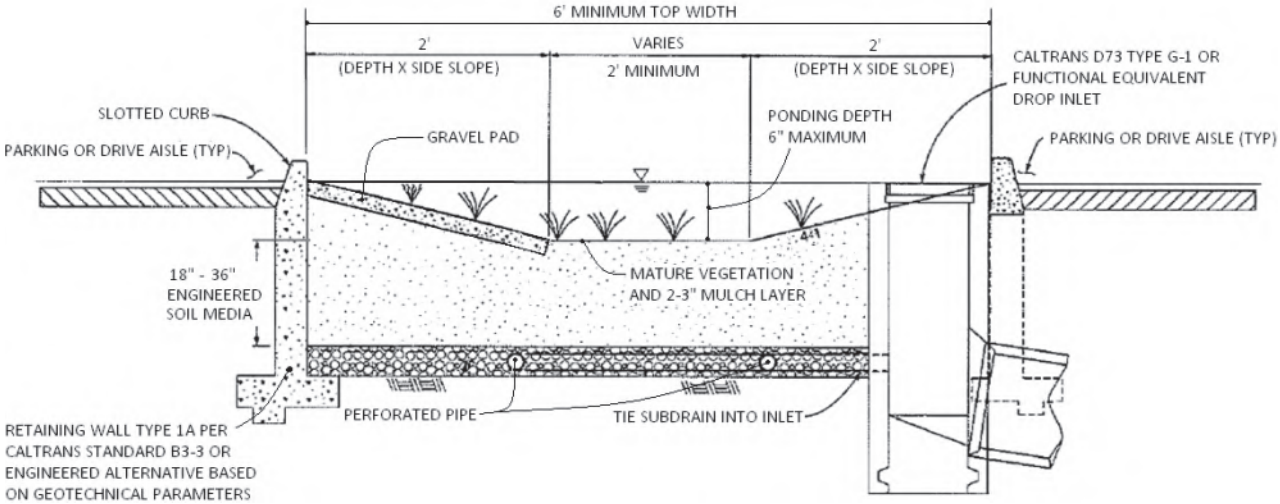
- *Depressing* landscaped areas below adjacent impervious surfaces, rather than elevating those areas
- Grading the site to direct runoff from those impervious surfaces *into* the Bioretention Facility, rather than away from the landscaping
- Sizing and designing the depressed landscaped area as a Bioretention 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.

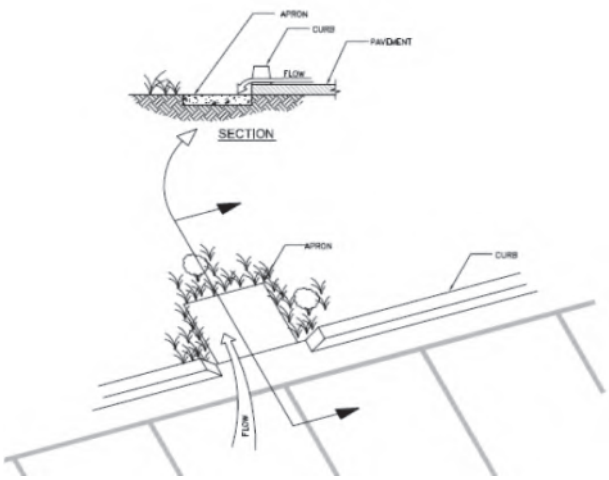


Figure 3: Apron located in a Bioretention Facility

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

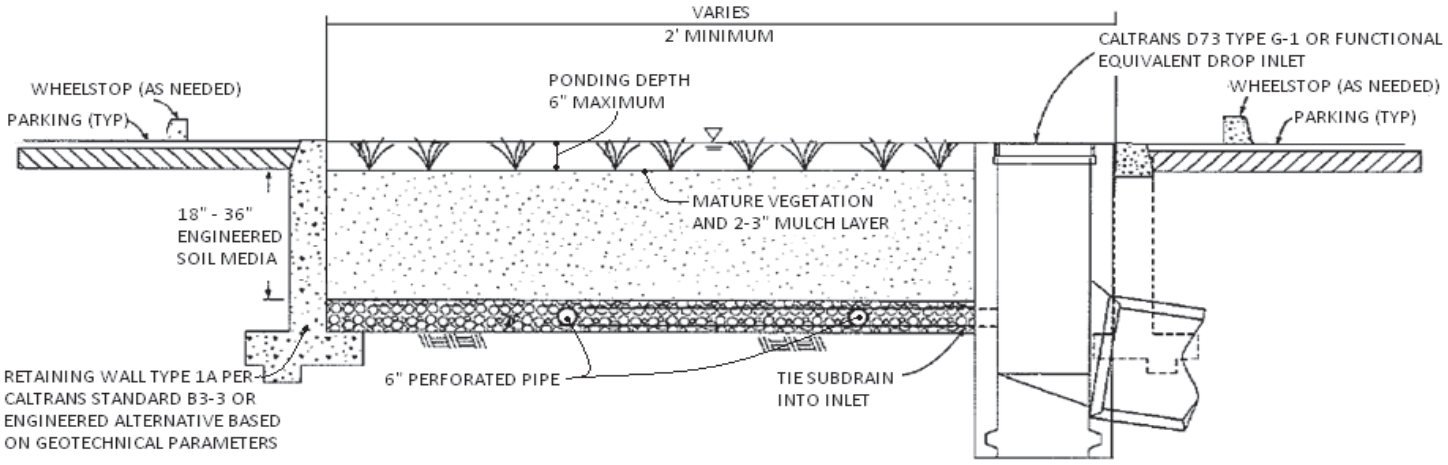
Bioretention Facilities Requiring Side Slopes

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.

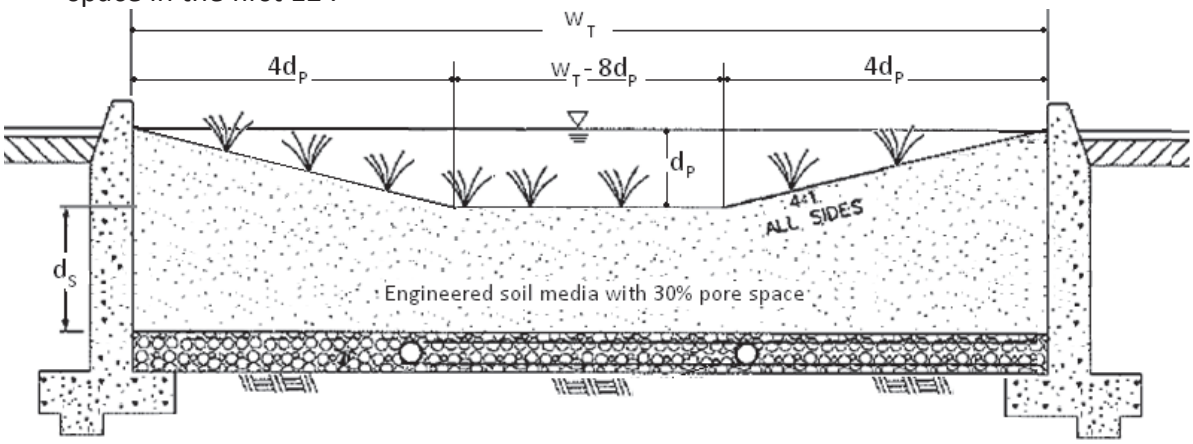
2) Enter the Design Volume, V_{BMP}, determined from Section 2.1 of this Handbook.

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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Bioretention Area Inspection and Maintenance Checklist

Facility:			
Location/Address:			
Date:	**Time:**	**Weather Conditions:**	**Date of Last Inspection:**
Inspector:		**Title:**	
Rain in Last 48 Hours □ **Yes** □ **No**		**If yes, list amount and timing:**	
Pretreatment: □ **vegetated filter strip** □ **swale** □ **turf grass** □ **forebay** □ **other, specify:**			□ **none**
Site Plan or As-Built Plan Available: □ **Yes** □ **No**			

Inspection Item		Comment	Action Needed
1. PRETREATMENT			
Sediment has accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Trash and debris have accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
2. DEWATERING			
Standing water is present after 48 hours. If yes, describe sheen, color, or smell.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
3. INLETS			
Inlets are in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment has accumulated and/or is blocking the inlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is occurring around the inlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
3. VEGETATION			
Vegetation is wilting, discolored, or dying due to disease or stress.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Vegetation needs to be controlled through mowing or manual removal.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
4. BIORETENTION MAIN INFILTRATION AREA			
Trash and debris have accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment has accumulated at the surface.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Topmost layer is caked or crusted over with sediment.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is evident.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Mulch is compacted.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sinkholes or animal borrows are present.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
5. SIDE SLOPES AND EMBANKMENT			
Erosion is evident.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sinkholes or instability is evident.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
6. OUTLETS AND OVERFLOW STRUCTURE (i.e., catch basin)			
Outlets or overflow structures in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment, trash or debris is blocking the outlets or overflow structure.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is occurring around the outlets or overflow structure.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Height from surface of practice to top of overflow structure is insufficient to allow for ponding during rain events.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**

Constructed Wetlands Inspection and Maintenance Checklist

Facility:			
Location/Address:			
Date:	**Time:**	**Weather Conditions:**	**Date of Last Inspection:**
Inspector:		**Title:**	
Rain in Last 48 Hours □ **Yes** □ **No**		**If yes, list amount and timing:**	
Pretreatment: □ **vegetated filter strip** □ **swale** □ **forebay** □ **other, specify:**			
Site Plan or As-Built Plan Available: □ **Yes** □ **No**			

Inspection Item		Comment	Action Needed
1. PRETREATMENT			
Sediment has accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Trash and debris have accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
2. DEWATERING			
The water quality orifice is visible.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
3. INLETS			
Inlets are in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment has accumulated and/or is blocking the inlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is occurring around the inlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
3. EMBANKMENT			
Sinkholes, cracks or seeps are visible in the embankment.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Trees or woody vegetation on the dam or embankment.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
4. BASIN PERMANENT POOL			
Trash and debris have accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment has accumulated and reduced pool volume.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Invasive plants are present.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is present at shoreline.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Excessive algae blooms are present.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
5. SIDE SLOPES AND EMBANKMENT			
Erosion is evident.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sinkholes, animal borrows or instability is present.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
6. OUTLETS AND OVERFLOW STRUCTURE			
Outlets or overflow structures in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment, trash or debris is blocking the outlets, trash racks or overflow structure.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is occurring around the outlets or outlet structure.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Joints are not water tight and/or leaks are visible.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**

Additional Notes
Wet weather inspection needed □ **Yes** □ **No**

Site Sketch:

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR BIORETENTION AREAS

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	REMOVE OBSTRUCTIONS, WEEDS, DEBRIS AND TRASH FROM BIORETENTION AREA AND ITS INLETS AND OUTLETS; AND DISPOSE OF PROPERLY.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
2	INSPECT BIORETENTION AREA FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, TILL AND REPLACE THE SURFACE BIOTREATMENT SOIL WITH THE APPROVED SOIL MIX AND REPLANT.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
3	CHECK UNDERDRAINS FOR CLOGGING. USE THE CLEANOUT RISER TO CLEAN ANY CLOGGED UNDERDRAINS.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
4	MAINTAIN THE IRRIGATION SYSTEM AND ENSURE THAT PLANTS ARE RECEIVING THE CORRECT AMOUNT OF WATER (IF APPLICABLE).	QUARTERLY
5	ENSURE THAT THE VEGETATION IS HEALTHY AND DENSE ENOUGH TO PROVIDE FILTERING AND PROTECT SOILS FROM EROSION. PRUNE AND WEED THE BIORETENTION AREA. REMOVE AND/OR REPLACE ANY DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
6	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	ANNUALLY, BEFORE THE WET SEASON BEGINS
7	CHECK THAT MULCH IS AT APPROPRIATE DEPTH (2 - 3 INCHES PER SOIL SPECIFICATIONS) AND REPLENISH AS NECESSARY BEFORE WET SEASON BEGINS. IT IS RECOMMENDED THAT 2" – 3" OF ARBOR MULCH BE REAPPLIED EVERY YEAR.	ANNUALLY, BEFORE THE WET SEASON BEGINS
8	INSPECT THE ENERGY DISSIPATION AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ACCUMULATED SEDIMENT.	ANNUALLY, BEFORE THE WET SEASON BEGINS
9	INSPECT OVERFLOW PIPE TO ENSURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE DAMAGED PIPING.	ANNUALLY, BEFORE THE WET SEASON BEGINS
10	REPLACE BIOTREATMENT SOIL AND MULCH, IF NEEDED. CHECK FOR STANDING WATER, STRUCTURAL FAILURE AND CLOGGED OVERFLOWS. REMOVE TRASH AND DEBRIS. REPLACE DEAD PLANTS.	
11	INSPECT BIORETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST.	ANNUALLY, BEFORE THE WET SEASON

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR FLOW-THROUGH PLANTERS

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	INSPECT THE PLANTER SURFACE AREA, INLETS AND OUTLETS FOR OBSTRUCTIONS AND TRASH; CLEAR ANY OBSTRUCTIONS AND REMOVE TRASH.	QUARTERLY
2	INSPECT PLANTER FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, THE SURFACE BIOTREATMENT SOIL SHOULD BE TILLED OR REPLACED WITH THE APPROVED SOIL MIX AND REPLANTED. USE THE CLEANOUT RISER TO CLEAR ANY UNDERDRAINS OF OBSTRUCTIONS OR CLOGGING MATERIAL.	QUARTERLY
3	CHECK FOR ERODED OR SETTLED BIOTREATMENT SOIL MEDIA. LEVEL SOIL WITH RAKE AND REMOVE/REPLANT VEGETATION AS NECESSARY.	QUARTERLY
4	MAINTAIN THE VEGETATION AND IRRIGATION SYSTEM. PRUNE AND WEED TO KEEP FLOW-THROUGH PLANTER NEAT AND ORDERLY IN APPEARANCE.	QUARTERLY
5	EVALUATE HEALTH AND DENSITY OF VEGETATION. REMOVE AND REPLACE ALL DEAD AND DISEASED VEGETATION. REMOVE EXCESSIVE GROWTH OF PLANTS THAT ARE TOO CLOSE TOGETHER.	ANNUALLY, BEFORE THE RAINY SEASON BEGINS
6	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	ANNUALLY, BEFORE THE RAINY SEASON BEGINS
7	INSPECT THE OVERFLOW PIPE TO MAKE SURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE ANY DAMAGED OR DISCONNECTED PIPING. USE THE CLEANOUT RISER TO CLEAR UNDERDRAINS OF OBSTRUCTIONS OR CLOGGING MATERIAL.	ANNUALLY, BEFORE THE RAINY SEASON BEGINS
8	INSPECT THE ENERGY DISSIPATOR AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ANY ACCUMULATION OF SEDIMENT.	ANNUALLY, BEFORE THE RAINY SEASON BEGINS
9	INSPECT AND, IF NEEDED, REPLACE WOOD MULCH. IT IS RECOMMENDED THAT 2" TO 3" OF COMPOSTED ARBOR MULCH BE APPLIED ONCE A YEAR.	ANNUALLY, BEFORE THE RAINY SEASON BEGINS
10	INSPECT SYSTEM FOR EROSION OF BIOTREATMENT SOIL MEDIA, LOSS OF MULCH, STANDING WATER, CLOGGED OVERFLOWS, WEEDS, TRASH AND DEAD PLANTS. IF USING ROCK MULCH, CHECK FOR 3" OF COVERAGE.	ANNUALLY AT THE END OF THE RAINY SEASON AND/OR AFTER LARGE STORM EVENTS,
11	INSPECT SYSTEM FOR STRUCTURAL INTEGRITY OF WALLS, FLOW SPREADERS, ENERGY DISSIPATORS, CURB CUTS, OUTLETS AND FLOW SPLITTERS.	ANNUALLY AT THE END OF THE RAINY SEASON AND/OR AFTER LARGE STORM EVENTS,

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR PERVIOUS PAVEMENT

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	CHECK FOR SEDIMENT AND DEBRIS ACCUMULATION. PREVENT SOIL FROM WASHING OR BLOWING ONTO THE PAVEMENT. DO NOT STORE SAND, SOIL, MULCH OR OTHER LANDSCAPING MATERIALS ON PERVIOUS PAVEMENT SURFACES.	TWO TO FOUR TIMES ANNUALLY
2	CONDUCT PREVENTATIVE SURFACE CLEANING, USING COMMERCIALLY AVAILABLE REGENERATIVE AIR OR VACUUM SWEEPERS, TO REMOVE SEDIMENT AND DEBRIS.	TWO TO FOUR TIMES ANNUALLY
3	INSPECT FOR ANY SIGNS OF PAVEMENT FAILURE. REPAIR ANY SURFACE DEFORMATIONS OR BROKEN PAVERS. REPLACE MISSING JOINT FILLER IN PICP.	TWO TO FOUR TIMES ANNUALLY
4	CHECK FOR STANDING WATER ON THE PAVEMENT SURFACE WITHIN 30 MINUTES AFTER A STORM EVENT.	TWO TO FOUR TIMES ANNUALLY
5	INSPECT UNDERDRAIN OUTLETS AND CLEANOUTS, PREFERABLY BEFORE THE WET SEASON. REMOVE TRASH/DEBRIS.	TWO TO FOUR TIMES ANNUALLY
6	REMOVE SEDIMENT AND DEBRIS ACCUMULATION ON PERVIOUS PAVEMENT.	TWO TO FOUR TIMES ANNUALLY
7	REMOVE WEEDS. MOW VEGETATION IN GRID PAVEMENTS (SUCH AS TURF BLOCK) AS NEEDED.	AS NEEDED
8	PERFORM RESTORATIVE SURFACE CLEANING WITH A VACUUM SWEEPER, AND/OR RECONSTRUCTION OF PART OF THE PERVIOUS SURFACE TO RESTORE SURFACE PERMEABILITY AS NEEDED. REPLENISH AGGREGATE IN PICP JOINTS OR GRIDS AS NEEDED AFTER RESTORATIVE SURFACE CLEANING.	AS NEEDED
9	POWER WASHING WITH SIMULTANEOUS VACUUMING ALSO CAN BE USED TO RESTORE SURFACE INFILTRATION TO HIGHLY CLOGGED AREAS OF PERVIOUS CONCRETE, POROUS ASPHALT OR PICP, BUT IS NOT RECOMMENDED FOR GRID PAVEMENTS.	AS NEEDED
10	INSPECT PERVIOUS PAVING AREA USING THE ATTACHED INSPECTION CHECKLIST.	QUARTERLY OR AS NEEDED

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR INFILTRATION TRENCHES

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	MONITOR OBSERVATION WELL TO CONFIRM THAT TRENCH HAS DRAINED DURING DRY SEASON. IF INSPECTION INDICATES THAT THE TRENCH IS PARTIALLY OR COMPLETELY CLOGGED, RESTORE TO DESIGN CONDITIONS.	ANNUALLY, DURING DRY SEASON
2	REMOVE OBSTRUCTIONS, DEBRIS AND TRASH FROM INFILTRATION TRENCH AND DISPOSE OF PROPERLY.	MONTHLY, OR AS NEEDED AFTER STORM EVENTS
3	CHECK OBSERVATION WELL 2 TO 3 DAYS AFTER STORMS TO CONFIRM DRAINAGE. TRENCH SHOULD COMPLETELY DEWATER WITHIN 5 DAYS.	MONTHLY DURING WET SEASON, OR AS NEEDED AFTER STORM EVENTS
4	MOW AND TRIM VEGETATION AROUND THE TRENCH TO MAINTAIN A NEAT AND ORDERLY APPEARANCE.	AS NEEDED
5	REMOVE ANY TRASH, GRASS CLIPPINGS AND OTHER DEBRIS FROM THE TRENCH PERIMETER AND DISPOSE OF PROPERLY.	AS NEEDED
6	CHECK FOR EROSION AT INFLOW OR OVERFLOW STRUCTURES. REPAIR AS NECESSARY.	MONTHLY, OR AS NEEDED AFTER STORM EVENTS
7	INSPECT INFILTRATION TRENCH USING THE ATTACHED INSPECTION CHECKLIST.	MONTHLY, OR AFTER LARGE STORM EVENTS, AND AFTER REMOVAL OF ACCUMULATED DEBRIS OR MATERIAL

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR EXTENDED DETENTION BASINS

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	EVALUATE THE HEALTH OF VEGETATION AND REMOVE AND REPLACE ANY DEAD OR DYING PLANTS.	TWICE A YEAR
2	TRIM VEGETATION AT BEGINNING AND END OF WET SEASON.	TWICE A YEAR
3	INSPECT VEGETATION TO PREVENT ESTABLISHMENT OF WOODY VEGETATION AND FOR AESTHETICS AND MOSQUITO CONTROL.	MONTHLY
4	HARVEST VEGETATION ANNUALLY, DURING THE SUMMER	ANNUALLY
5	EXAMINE THE OUTLET, EMBANKMENTS, DIKES, BERMS, AND SIDE SLOPES FOR STRUCTURAL INTEGRITY AND SIGNS OF EROSION OR RODENT BURROWS. FILL IN ANY HOLES DETECTED IN THE SIDE SLOPES.	TWICE A YEAR
6	INSPECT INLETS, OUTLETS AND OVERFLOW STRUCTURES TO ENSURE THAT PIPING IS INTACT AND NOT PLUGGED. REMOVE ANY ACCUMULATED SEDIMENT AND DEBRIS. ENSURE THAT ENERGY DISSIPATION IS FUNCTIONING ADEQUATELY.	TWICE A YEAR
7	INSPECT FOR STANDING WATER AND CORRECT ANY PROBLEMS THAT PREVENT THE BASIN FROM DRAINING AS DESIGNED.	TWICE A YEAR
8	CONFIRM THAT ANY FENCES AROUND THE FACILITY ARE SECURE	TWICE A YEAR
9	REMOVE SEDIMENT FROM FOREBAY WHEN THE SEDIMENT LEVEL REACHES THE LEVEL SHOWN ON THE FIXED VERTICAL SEDIMENT MARKER AND DISPOSE OF SEDIMENT PROPERLY.	AS NEEDED
10	REMOVE ACCUMULATED SEDIMENT FROM THE DETENTION BASIN AND REGRADE WHEN THE ACCUMULATED SEDIMENT VOLUME EXCEEDS 10% OF BASIN VOLUME AND DISPOSE OF SEDIMENT PROPERLY.	EVERY 10 YEARS, OR AS NEEDED
11	REMOVE ACCUMULATED TRASH AND DEBRIS FROM THE EXTENDED DETENTION BASIN AND DISPOSE OF PROPERLY.	TWICE A YEAR
12	INSPECT EXTENDED DETENTION BASIN USING THE ATTACHED INSPECTION CHECKLIST.	QUARTERLY, OR AS NEEDED

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR TREE WELL FILTERS

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	EVALUATE HEALTH OF TREES AND GROUNDCOVER. REMOVE AND REPLACE ALL DEAD AND DISEASED VEGETATION.	TWICE A YEAR
2	MAINTAIN THE VEGETATION AND IRRIGATION SYSTEM. PRUNE AND WEED TO KEEP TREE WELL FILTER NEAT AND ORDERLY IN APPEARANCE.	AS NEEDED
3	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	AS NEEDED
4	CHECK THAT PLANTING MIX IS AT APPROPRIATE DEPTH AND REPLENISH AS NECESSARY. REPLENISH MULCH AS NEEDED.	BEFORE WET SEASON AND AS NECESSARY
5	REMOVE SEDIMENT, LITTER AND DEBRIS FROM TREE WELL FILTER. CONFIRM THAT NO CLOGGING WILL OCCUR AND THAT THE FILTER WILL DRAIN PER THE DESIGN SPECIFICATIONS. DISPOSE OF SEDIMENT, LITTER AND DEBRIS PROPERLY.	BEFORE WET SEASON AND AS NECESSARY
6	INSPECT TREE WELL FILTER TO ENSURE THAT IT DRAINS BETWEEN STORMS PER DESIGN SPECIFICATIONS	PERIODICALLY OR AS NEEDED AFTER STORM EVENTS
7	INSPECT OVERFLOW PIPE TO ENSURE THAT IT WILL SAFELY CONVEY EXCESS FLOWS TO STORM DRAIN. REPAIR OR REPLACE ANY DAMAGED OR DISCONNECTED PIPING.	AS NECESSARY
8	INSPECT TREE WELL FILTER USING THE ATTACHED INSPECTION CHECKLIST.	MONTHLY, OR AFTER LARGE STORM EVENTS, AND AFTER REMOVAL OF ACCUMULATED DEBRIS OR MATERIAL

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR SUBSURFACE INFILTRATION TRENCHES

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	MONITOR OBSERVATION WELL TO CONFIRM THAT THE SUBSURFACE INFILTRATION SYSTEM HAS DRAINED DURING DRY SEASON. IF INSPECTION INDICATES THAT THE SYSTEM IS PARTIALLY OR COMPLETELY CLOGGED, RESTORE TO DESIGN CONDITIONS.	ANNUALLY, DURING DRY SEASON
2	REMOVE OBSTRUCTIONS, DEBRIS AND TRASH NEAR INLET AND DISPOSE OF PROPERLY.	MONTHLY DURING WET SEASON, OR AS NEEDED AFTER STORM EVENTS
3	CHECK OBSERVATION WELL 2 TO 3 DAYS AFTER STORMS TO CONFIRM DRAINAGE. THE SUBSURFACE INFILTRATION SYSTEM SHOULD COMPLETELY DEWATER WITHIN 3 DAYS (PREFERRED) OR WITHIN 5 DAYS TO AVOID MOSQUITO PRODUCTION.	MONTHLY DURING WET SEASON, OR AS NEEDED AFTER STORM EVENTS
4	CHECK FOR EROSION AT INFLOW OR OVERFLOW STRUCTURES. REPAIR AS NECESSARY.	MONTHLY, OR AS NEEDED AFTER STORM EVENTS
5	INSPECT SUBSURFACE INFILTRATION SYSTEM USING THE ATTACHED INSPECTION CHECKLIST.	MONTHLY, OR AFTER LARGE STORM EVENTS, AND AFTER REMOVAL OF ACCUMULATED DEBRIS OR MATERIAL

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR MEDIA FILTERS

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	INSPECT FOR STANDING WATER, SEDIMENT, TRASH AND DEBRIS.	MONTHLY DURING RAINY SEASON
2	REMOVE ACCUMULATED TRASH AND DEBRIS IN THE UNIT DURING ROUTINE INSPECTIONS.	MONTHLY DURING RAINY SEASON, OR AS NEEDED AFTER STORM EVENTS
3	INSPECT TO ENSURE THAT THE FACILITY IS DRAINING COMPLETELY WITHIN FIVE DAYS AND PER MANUFACTURER'S SPECIFICATIONS.	ONCE DURING THE WET SEASON AFTER MAJOR STORM EVENT.
4	REPLACE THE MEDIA PER MANUFACTURER'S INSTRUCTIONS OR AS INDICATED BY THE CONDITION OF THE UNIT.	PER MANUFACTURER'S SPECIFICATIONS.
5	INSPECT MEDIA FILTERS USING THE ATTACHED INSPECTION CHECKLIST.	QUARTERLY OR AS NEEDED

REVISIONS | BY | CSJ | DATE

REGISTERED PROFESSIONAL ENGINEER
<DESIGNER'S NAME>
Exp. XX/XX/XX
No. XXXXX
CIVIL
STATE OF CALIFORNIA

DEVELOPER'S INFORMATION

CONSULTANT'S INFORMATION

STORMWATER CONTROL NOTES

SAN JOSE | CALIFORNIA
Project No. | Designed: XX | Checked: XX | Date: XX/XX/XX

SHEET
XX
Of XX SHEETS

PW PROJECT #
3-XXXXX

3.7 Guidance for Large Bioretention/Biofiltration BMP Facilities

Applicability	Large sites, multi-parcel sites, BMPs treating greater than 5 acres This fact sheet is intended to be used in combination with Fact Sheet 3.4, 3.5, or 3.6 to provide guidance for how to scale up the design of small scale features to larger scale basins
LID BMPs	Bioretention, Biofiltration with Partial Infiltration, and Biofiltration with No Infiltration

Limits on Use and Applicability

This fact sheet provides guidance for the design, installation, and maintenance of regional scale bioretention/biofiltration Best Management Practices (BMPs) for large multi-parcel projects. The requirements included in this fact sheet are in addition to, those specified in the LID BMP Handbook Fact Sheets for Bioretention (3.4), Biofiltration with Partial Infiltration (3.5), and Biofiltration with No Infiltration (3.6). The user will still need to refer to those fact sheets. This fact sheet then provides additional or overriding criteria for facilities that are designed at a larger scale. These additional criteria are necessary to address unique design challenges associated with larger facilities.

Use of regional scale facilities is at the discretion of the Copermittee. Before continuing with design of regional scale facilities, PDPs shall consult with the Copermittee with jurisdiction over the project site.

Categories of Regional Bioretention/Biofiltration Facilities

The same categories of regional bioretention/biofiltration facilities apply at a regional scale and need to be selected based on the feasibility criteria at the location.

- Bioretention (full infiltration) – Fact Sheet 3.4
- Biofiltration with partial infiltration – Fact Sheet 3.5
- Biofiltration (no infiltration/limited infiltration) – Fact Sheet 3.6

Using a regional facility does not preclude the requirement to evaluate infiltration feasibility criteria. Large facilities require a thorough and detailed assessment of the sites underlying infiltration rates and geotechnical environment. Refer to the Santa Margarita Watershed WQMP for complete feasibility analysis requirements.

Basic Design Requirements and Provisions

Basin Guidelines

All regional facilities shall be designed in accordance with the "Basin Guidelines" included in Appendix C of the LID BMP Handbook. Section 1 of the "Basin Guidelines" presents guidelines

and standards for the design and maintenance of water quality basins used within Riverside County including provisions for:

- General Criteria
- Geotechnical Reports
- Basin Grading Parameters
- Setbacks
- Outlet Structures and Spillways
- Maintenance Access
- Landscaping
- Fencing, and
- Additional Requirements

Site Geotechnical Investigation

A site-specific geotechnical investigation is required to determine subsurface conditions, infiltration rates, the seasonal high ground water elevation (SHGWE), and impacts to site environs as listed in the Feasibility Criteria. The investigation must be conducted by or under direct supervision of a State of California-licensed engineering geologist, geotechnical engineer, or civil engineer with experience in geotechnical engineering, and in compliance with the *SMR WQMP*. The Geotechnical Report shall meet the minimum requirements of the "Basin Guidelines" and provide the following additional information:

- Infiltration rates (in accordance with the "Infiltration Testing Guidelines" included in Appendix A)
- Seasonal high groundwater levels
- Potential for groundwater mounding below the facility or down gradient
- Geotechnical hazards
- Other impacts to site environs, such as water balance impacts on biological resources
- Utilities

Summary of BMP Design Parameters

The BMP design parameters contained in the respective fact sheets for Bioretention, Biofiltration with Partial Infiltration, and Biofiltration with No Infiltration apply to the design of large scale facilities of the same type; however, additional criteria also apply. Table 1 below provides a summary of the standard and augmented design components required for large scale facilities. Where augmented components are specified, additional design criteria are provided in this fact sheet to augment the criteria in the standard fact sheets.

Table 1. Design Requirements for BMP Components

Component	Design Requirements
Pretreatment	Augmented
Cross Section Geometry	Augmented
Overflow	Augmented
Engineered Soil Media	Standard
Subsurface Storage Layer	Standard
Underdrain	Augmented
Energy Dissipation	Augmented
Internal Flow Distribution	Augmented
Media Properties and Outlet Control	Augmented
Landscaping	Standard
Vector Control	Standard
Maintenance Access	Augmented
Construction Considerations	Augmented
Sizing	Standard

Augmented Design Requirements for Regional Scale Facilities

This section contains the augmented design parameters and requirements that are unique to Large Bioretention/Biofiltration Facilities. These provisions help to maintain BMP function and performance in larger facilities and provide additional storage and routing options that are not applicable to smaller scale facilities.

Cross Section Geometry

The following design parameters for regional scale facilities shall be used in place of the corresponding parameters for standard facilities:

- The ponding depth above the engineered soil media shall not exceed 3 feet or the maximum depth that can be drained in 72 hours. A shorter drawdown time may be specified if necessary to support the selected vegetation.
- The engineered soil media shall be a minimum of 2 feet deep.
- Side slopes shall conform to the Basin Guidelines in Appendix C.

Pretreatment

Pretreatment shall be provided in order to reduce the sediment load entering the facility and to maintain the infiltration/filtration rate of the basin. This is more critical for regional facilities as they tend to be deeper and therefore have a larger sediment load per unit area of media.

Where feasible, the following pre-treatment approach is recommended:

- Stabilization or bypass of all exposed soil areas in the watershed.

- Use of a manufactured pre-treatment system with a GULD certification for "pre-treatment" or "basic treatment" per Washington State TAPE Program. Currently approved products: are here: http://www.ecy.wa.gov/programs/wq/stormwater/newtech/technologies.html. Use Internet Explorer for this web page.

The minimum pretreatment mechanism shall be a sedimentation basin or forebay with a volume equivalent to 20 percent of the BMP volume and shall be separated by a berm with a height of at least half of the total ponding depth of the facility.

Overflow

Regional facilities shall conform to the requirements included in the "Basin Guidelines" (Appendix C). These guidelines provide guidance for the design of outlet structures and spillways.

Underdrain

Hydraulic calculations shall be used to determine necessary size of underdrains. It should not be assumed that the 6-inch diameter default for smaller systems will be adequate for larger systems. Subdrains shall be sloped with positive drainage of at least 0.5%.

Rigid non-perforated observation pipes with a diameter equal to the underdrain diameter shall be connected to the underdrain every 50 feet to provide a clean-out port as well as an observation well to monitor dewatering rates.

- The wells/cleanouts shall be connected to the underdrain with the appropriate manufactured connections.
- The wells/cleanouts shall extend 6 inches above the top elevation of the bioretention facility mulch, and shall be capped with a lockable screw cap. Cleanouts may be integrated with vents, in which case the vent should extend above the facility high water line.
- The ends of underdrain pipes not terminating in an observation well/cleanout shall be capped.

Energy Dissipation

Energy dissipation must be provided to prevent erosion of the engineered soil media layer. Internal erosion is a greater risk for larger BMPs due to the higher flow rates and velocities routed to them. Energy dissipation is required meeting the following provisions:

1. All significant inlets shall enter the sediment forebay, if a sediment forebay is provided as the required pretreatment device. Significant inlets include any piped, channeled or conveyed inlets. If a forebay is not provided, a stilling well is recommended.
2. Energy dissipation shall be provided at each inlet to the facility (including curb-cuts) and shall be engineered to control the velocity of inflows to less than 2 feet per second to prevent scour of the media bed.

3. Woody plants (trees, shrubs, etc.) shall not be placed directly in the entrance flow path, but may be used in other portions of the regional facility.

Side Slope Erosion Control

Side slopes of regional facilities can contribute large sediment loads if not full stabilized prior to commissioning of the system. The design and construction phasing shall demonstrate how side slopes will be stabilized to minimize erosion. Example design approaches include:

- Revegetation with dense grass, including irrigation
- Flexible soil armoring grid products combined with revegetation

Flow Distribution System

An internal flow distribution system should be considered to convey pre-treated inflows more evenly across the media bed. This helps avoid scour caused by concentrated flow of water over the media surface near the inlet. It is also desirable to avoid short circuiting[1]. Example design approaches for flow distribution include:

- Design a distribution channel or perforated pipe around a portion of the perimeter (1/2 to 2/3 of the perimeter of the system) and internal to the facility, where needed, to distribute flows within the facility.
- A distribution channel could consist of shallow swale (3 to 6 inches deep) in the media bed, armored with turf reinforcement matting, other geotextile, or cobbles, to withstand higher velocities.
- The distribution system should be designed to drain completely between storm events.

Media Bed Hydraulics and Outlet Control

The following design approach for media outlet control should be considered to help improve filtration processes and media longevity for systems that are designed as biofiltration (with or without partial infiltration)

1. An outlet-controlled underdrain system, consisting of an orifice or other flow control device that controls the rate at which water discharges from the system underdrain.[2]

[1] Short-circuiting of flows refers to a disproportionately high fraction of the total filtration occurring in the immediate vicinity of the inlet. These conditions are undesirable as this can overwhelm biological functions and treatment processes in the areas receiving the majority of the flow and result in lower treatment performance on average.

[2] When an outlet-controlled underdrain is used, the rate of flow through the media is controlled by the rate that water can discharge from the underdrain orifice rather than the filtration rate of the media. The filtration rate of the media may vary spatially and will change with time. The use of an outlet controlled underdrain promotes more uniform infiltration across the media bed and longer average contact time with the biofiltration media. It also allows

2. When an outlet control is used, the initial media permeability may be higher (20 to 80 in/hr).

3. The outlet control is then designed such that the average infiltration rate through the media (i.e., the rate at which water passes through the media; as controlled by the outlet, not by the saturated hydraulic conductivity of the media) is approximately 2.5 to 5 in/hr.

4. The facility must drain freely to an acceptable discharge point.

5. If the design configuration has potential for trapped air in the underdrain system to interfere with infiltration through the media bed (i.e., an "airlock"), it may be necessary to vent at an elevation above the high water line.

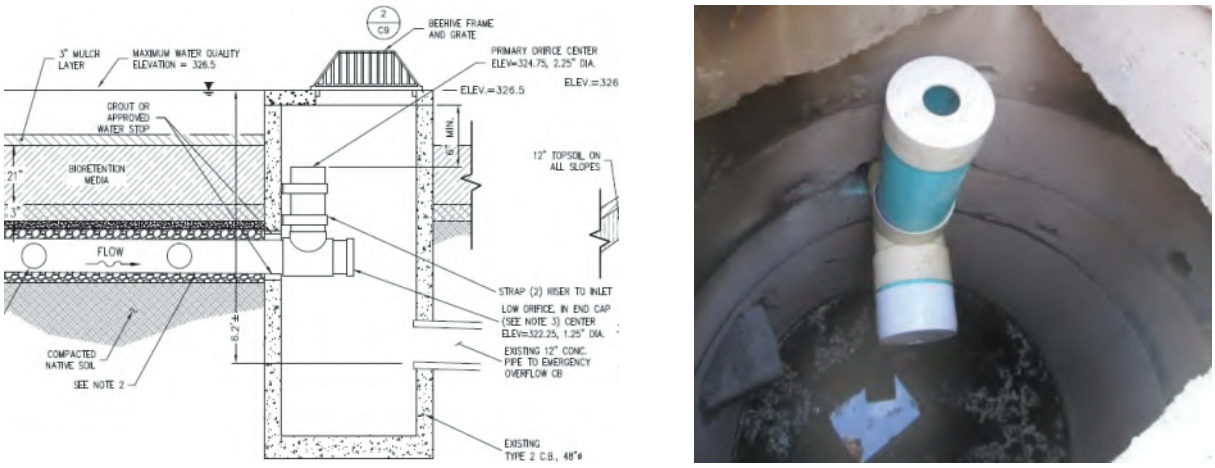


Figure 1. Example Outlet Control Structure

Design for LID and Hydromodification Control

Large bioretention/biofiltration basins can be designed for both LID and hydromodification control. Figure 2 shows schematics of how LID and hydromodification designs can be integrated.

the biofiltration media to be designed with a higher initial saturated hydraulic conductivity, such that a greater degree of clogging can occur before maintenance of the media bed is required.

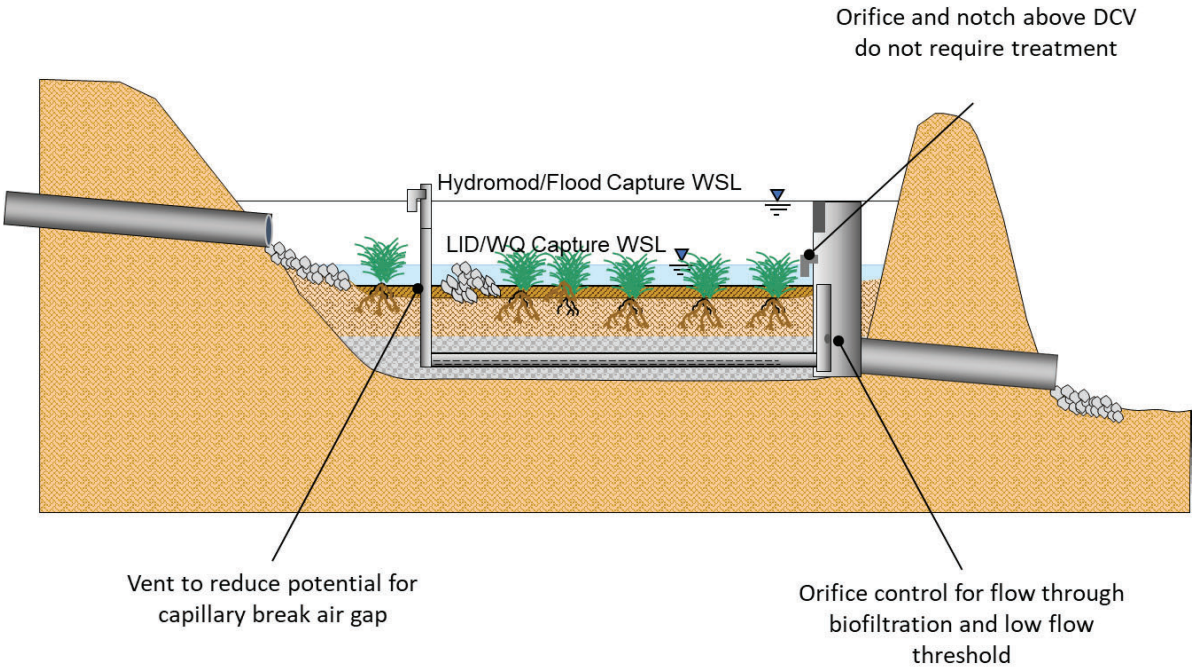
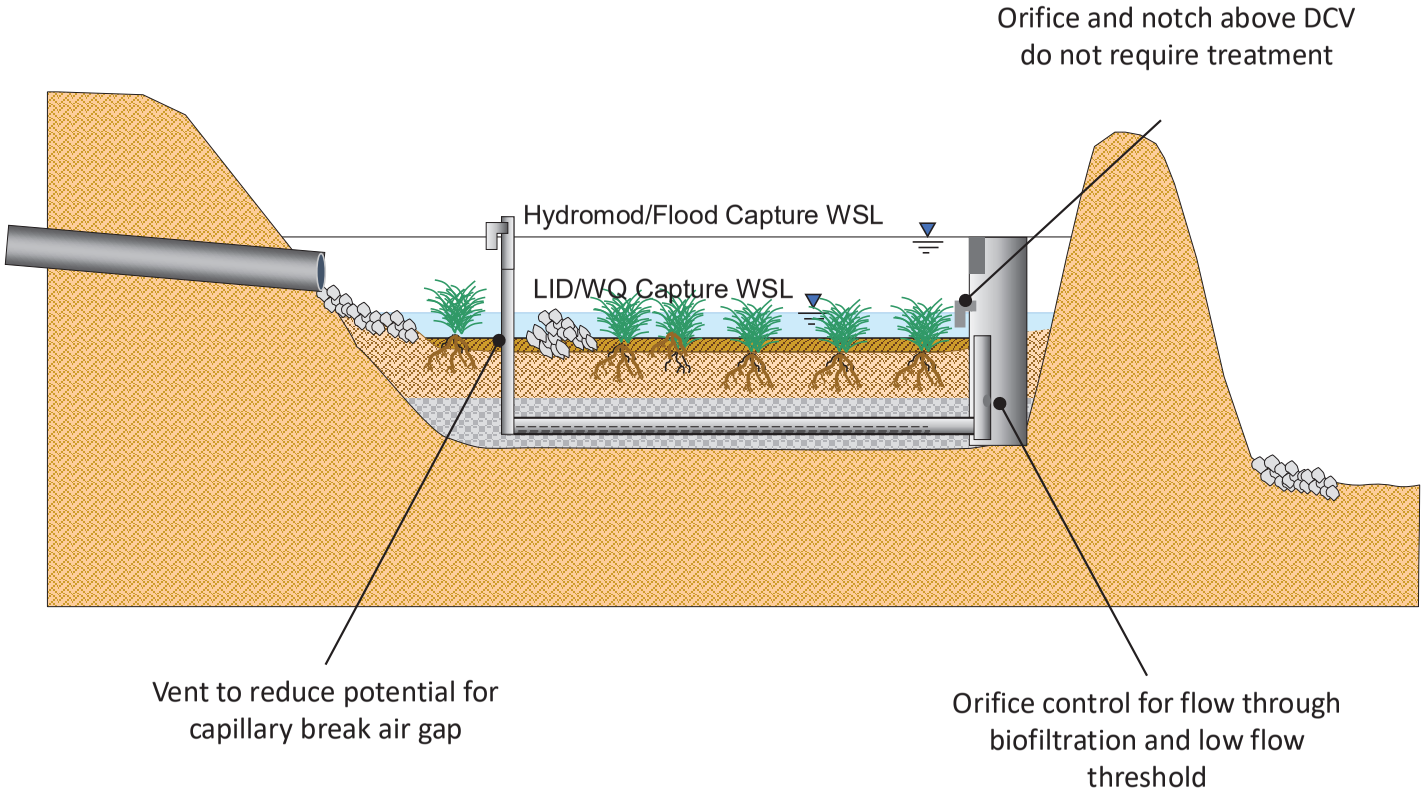
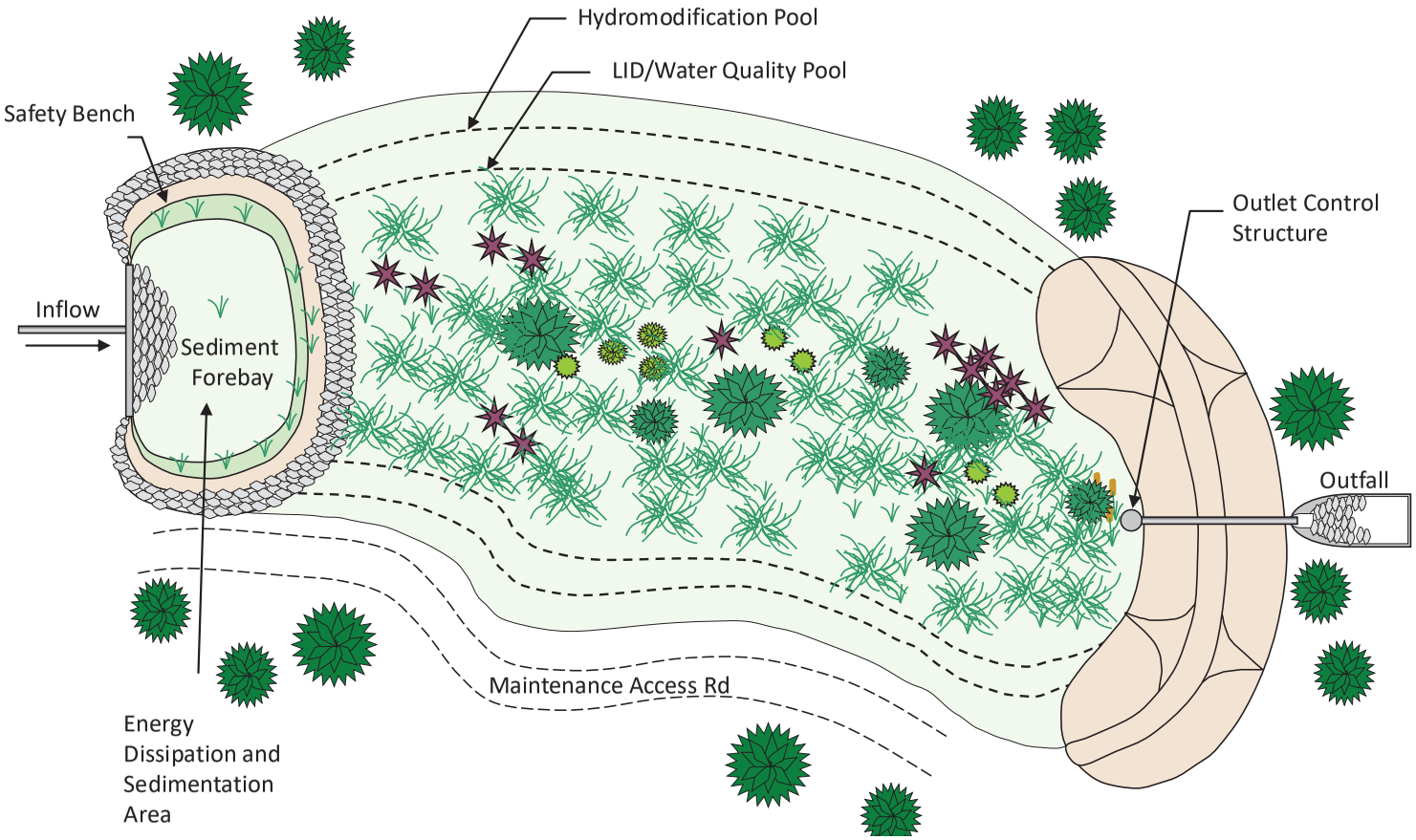


Figure 2. Example Schematic of Combination LID/Hydromodification Basin

Maintenance Access

Access for maintenance activities shall be provided as outlined in the "Basin Guidelines."


Orifice and notch above DCV
do not require treatment
Hydromod/Flood Capture WSL
LID/WQ Capture WSL
Vent to reduce potential for
capillary break air gap
Orifice control for flow through
biofiltration and low flow
threshold


Hydromodification Pool
LID/Water Quality Pool
Safety Bench
Outlet Control Structure
Inflow
Sediment Forebay
Outfall
Maintenance Access Rd
Energy Dissipation and Sedimentation Area

Construction Considerations

The following factors should be considered in construction of regional facilities. These criteria are not intended to be comprehensive or replace the need for complete construction specifications consistent with standard engineering practices and applicable standards.

1. Irrigation should be considered to provide for robust plant establishment and growth and help improve long term permeability of the soil

2. Regional bioretention/biofiltration facilities should not be hydraulically connected to the storm drain system until all contributing drainage areas are stabilized (e.g., with stable vegetative cover or pavement) or are controlled with robust erosion and sediment controls. For phased projects, where interim conditions include sediment producing open space and/or graded pads that will be under construction after the facility is brought online, a high level of sediment control must be provided. It is preferred to bypass any areas that are still under construction or otherwise not stabilized.

3. To preserve and avoid the loss of infiltration capacity, the following construction guidelines should be specified:

    - Provisions address sedimentation, per above.

    - Compaction of the subgrade with heavy equipment should be minimized to the maximum extent possible. If the use of heavy equipment on the base of the facility cannot be avoided, the infiltrative capacity should be restored by tilling or aerating prior to placing the infiltrative bed.

    - If a full infiltration design is proposed, the exposed soils should be inspected by a geotechnical engineer after excavation to confirm that soil conditions are suitable.

4. Batch-level testing of bioretention soil media should be considered. For regional systems including large quantities of soil, batch level testing can help control variability between batches.

5. In-situ testing of bioretention soil media, such as with a single ring infiltrometer, should be considered on a specified interval. This can help confirm that placement methods are not resulting in significant loss of permeability.

6. The use of treated wood or galvanized metal anywhere inside the facility is prohibited.

7. As discussed above, side slopes of the basin should be well stabilized to avoid erosion onto the media bed.

8. An establishment period for vegetation should be specified in the construction plans or landscape contractor agreements.

Sizing Methodologies

In general, the sizing methods described in Fact Sheet 3.4, 3.5, and 3.6 are applicable.

Augmented Maintenance Considerations

Maintenance activities described in Fact Sheet 3.4, 3.5, and 3.6 are generally applicable. When developing the O&M Plan for regional facilities, additional consideration should be given to the scale of the regional facilities. For example:

- Maintenance may require larger or specialized equipment compared to normal bioretention/biofiltration maintenance.
- Access drive isles within the media bed may be needed. These drive isles could be reinforced with geotextiles, such as grid paver filled with gravel or BSM, to maintain permeability while supporting maintenance vehicle access.
- Methods that are allowable for maintenance may need to be specified (e.g., limitations on vehicle traffic on the media bed)
- A rotating maintenance cycle across different parts of the facility may be appropriate. This helps limit the impact to overall treatment processes when vegetation or media needs to be periodically replaced. For example, one third of the system could experience more intensive maintenance each year.

Appendix G

Noise Impact Analysis

NOISE IMPACT ANALYSIS

BEAUMONT BATTERY ENERGY STORAGE PROJECT

CITY OF BEAUMONT

Lead Agency:

City of Beaumont
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Beaumont, CA 92223

Prepared by:

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949 510 5355
Greg Tonkovich, INCE

Project No. 21011

February 24, 2021

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ACRONYMS AND ABBREVIATIONS

ANSI	American National Standards Institute
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
City	City of Beaumont
CNEL	Community Noise Equivalent Level
dB	Decibel
dBA	A-weighted decibels
DOT	Department of Transportation
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
EPA	Environmental Protection Agency
Hz	Hertz
Ldn	Day-night average noise level
Leq	Equivalent sound level
Lmax	Maximum noise level
ONAC	Federal Office of Noise Abatement and Control
OSB	Oriented Strand Board
OSHA	Occupational Safety and Health Administration
PPV	Peak particle velocity
RMS	Root mean square
SEL	Single Event Level or Sound Exposure Level
STC	Sound Transmission Class
VdB	Vibration velocity level in decibels

1.0 INTRODUCTION

1.1 Purpose of Analysis and Study Objectives

This Noise Impact Analysis has been prepared to demonstrate compliance of the proposed Beaumont Battery Energy Storage project (proposed project) with the City of Beaumont's Noise Element and Noise Ordinance . The following is provided in this report:

- A description of the study area and the proposed project;
- Information regarding the fundamentals of noise;
- Information regarding the fundamentals of vibration;
- An evaluation of the current noise environment;
- An analysis of the potential short-term construction-related noise impacts from the proposed project and evaluation against applicable noise standards; and,
- An analysis of long-term operations-related noise impacts from the proposed project and evaluation against applicable noise standards.

1.2 Site Location and Study Area

The project site is located in the City of Beaumont (City) at 248 Veile Avenue. The approximately 6.95-acre project site is currently vacant and is designated Industrial in the City of Beaumont General Plan and is zoned Manufacturing. The project site is bounded by a Southern California Edison (SCE) substation to the north, Elm Avenue and single-family residential uses to the east, vacant land to the south, and Veile Avenue and an auto recycling center to the west. The project study area is shown in Figure 1.

Sensitive Receptors in Project Vicinity

The nearest sensitive receptors to the project site are the single-family homes on the east side of the project site, where the nearest residential property line is 80 feet east of the project site and the nearest residential structure is approximately 120 feet east of the project site. The nearest school to the project site is Three Ring Elementary School that that is located 0.66 mile north of the project site.

1.3 Proposed Project Description

The proposed project would develop a battery energy storage facility. The major components of the project are described below with additional detail provided in Table A. The equipment manufacturers for the project have not yet been selected and therefore the project's exact dimensions, specifications and site layout may change. As such, the project design assumptions are intended to establish the maximum project footprint and reasonable "worst-case" noise impacts which in turn allows for flexibility in final project manufacturer selection, design, specifications, and equipment layout based on information from various equipment manufacturers that may be selected for the project.

Battery Enclosures: The project will be comprised of lithium-ion battery modules that will be installed in racks and housed within enclosures that resemble shipping containers. A typical battery enclosure will house hundreds of battery modules where each enclosure is typically capable of storing between 2 to 5 megawatt hours (MWh) of energy. Each enclosure is equipped with integrated operational management systems and fire and safety systems (heating ventilation and cooling (HVAC), gas, heat and smoke

detection and alarms, ventilation and fire suppression) to ensure safe and efficient operations. The BESS enclosures will be designed,

Table A – Project Equipment Details

Equipment	Description	Number of Units	Height
Battery Energy Storage System (BESS) Enclosures	Integrated battery energy storage system enclosures, including battery modules, energy, fire and safety management systems, ancillary equipment and HVAC.	118	Up to 15 feet
Power Conversion System (PCS)	Inverters and Low Voltage-Medium Voltage Transformers	59	Up to 10 feet
Power Distribution Center (PDC)	Substation Controls Building	1	Up to 15 feet
Auxiliary Transformers	Medium Voltage-Low Voltage Auxiliary Transformers for equipment back-feed power	3	Up to 8 feet
Battery Step Up Transformer (BSU)	Medium Voltage-High Voltage main power transformer	1	26 feet
Generation Tie Line	Up to 250 feet of 66-kV overhead generation tie line with up to three on-site 75-foot poles interconnecting the BSU/GSU to the adjacent SCE substation	Up to 250 feet (length)	75 feet
Approximately 2 Poles	Poles up to 75 feet		
Other lighting, electrical, safety, communications and security equipment	Yard maintenance and safety lighting, electrical equipment and meters within the onsite switchyard, barbed-wire fencing of the onsite switchyard, security lighting and cameras and other associated equipment.	Various	2 to 4 static masts (lightning rods) up to 50 feet; switchgear cabinets and power distribution panels up to 10 feet; junction boxes and telephony equipment up to 8 feet. The height of other equipment pursuant to approved Building Permit and consistent with building and zoning requirements.
Perimeter wall	A 6-foot to 8-foot masonry perimeter wall and a single project gate surrounding the Project site	1,600 feet (length)	6 to 8 Feet

Source: Project Applicant.

constructed, and operated pursuant to the 2019 California Fire Code. The dimensions of a typical BESS enclosure measures approximately 50 feet long by 10 feet wide with a height of up to 15 feet. The number, size, layout and capabilities of each enclosure will vary depending on the battery, enclosure, and BESS system manufacturer(s) selected for the Project. Unitized systems may consist of several smaller enclosures set side-by-side to create banks of battery enclosures with similar overall dimensions. Regardless of the system manufacturer, the project's developed footprint and overall capability will remain substantially the same.

Power Conversion System (PCS): Low voltage cables will connect the battery enclosures to low profile, pad-mounted PCS inverter-transformers located adjacent to each enclosure. The PCS converts electricity

from alternating current (AC) to direct current (DC) (and vice-versa) when power is being taken (discharged) from the battery versus charging the battery.

Power Distribution Center (PDC): The project's PDC is an enclosure that houses and protects critical low and medium voltage electrical, communications, and command equipment. Typically, the PDC is located near the Main Step-Up Transformer within an on-site switchyard.

On-Site Switchyard: The project's onsite switchyard will be a secure, separately fenced (chain link security fencing) area where high voltage electrical equipment, auxiliary transformers, meters and communications equipment are located, including the PDC, and Main Step Up Transformer (also referred to as the Battery Step Up Transformer (BSU) or Generator Step Up Transformer (GSU)) which steps up the voltage from the inverter-transformer to the voltage level of the transmission system, where it is then delivered it into the grid via the project gen-tie.

Other Site Design Features: The project will include other essential appurtenant design features to ensure safety and efficiency as well as compliance with all building, fire, and health and safety regulations, including: above- and below-ground electrical duct banks; electrical systems, meters, communications systems, and security systems; yard lighting; fencing and walls; and fire-operations and maintenance access roads. Appropriate set-backs and separation between equipment and other features will be accounted for in the overall project design. The proposed site plan is shown in Figure 2.

1.4 Executive Summary

Standard Noise Regulatory Conditions

The proposed project will be required to comply with the following regulatory requirements from the City of Beaumont and State of California.

City of Beaumont Noise Regulations

The following lists the noise and vibration regulations from the General Plan and Municipal Code that are applicable to the proposed project.

- Policy 3.4.8 of the Beaumont 2040 Plan: requiring industrial projects near existing residential development to limit the impact of truck traffic, are and noise pollution on sensitive receptors
- Section 9.02.110(F) Construction Noise Limits
- Sections 9.02.050, 9.02.090, and 9.02.130 Operational Industrial Noise Limits

State of California Noise Regulations

The following lists the State of California noise regulations that are applicable to the proposed project.

- California Vehicle Code Section 2700-27207 – On Road Vehicle Noise Limits
- California Vehicle Code Section 38365-38350 – Off-Road Vehicle Noise Limits

Summary of Analysis Results

Under CEQA Guidelines section 15183, where a project is consistent with the development density established by existing zoning or general plan policies for which an EIR was certified, no additional environmental review is required except to the extent there are project-specific significant effects which are peculiar to the project or its site. The following is a summary of the evaluation of the proposed project

demonstrating that it will not result in any project-specific significant effects which are peculiar to the project or its site.

Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

The EIR for the General Plan concluded that "noise impacts from new development will be mitigated on a project-level basis through the use of appropriate location-specific design and engineering techniques, including building setbacks, appropriate building siting, sound barriers and sound attenuating construction techniques." (GPU EIR at p. 5.12-33.) Beaumont 2040 Plan Implementation action N2, requires project-specific acoustical studies, and certain other implementation actions require that standards be met for the operation of construction equipment, equipment staging areas to be located to as far away for noise sensitive receptors as feasible, and incorporation of noise attenuation measures such as temporary bound barriers during certain construction phases. (GPU EIR at p. 5.12-33 and 34.) Implementation of Project Design Features described below would allow the project to meet the noise standards established in the general plan and noise ordinance.

Generation of excessive groundborne vibration or groundborne noise levels?

The General Plan EIR determined that compliance with applicable provisions of Chapter 9.02 of the Beaumont Municipal Code and Beaumont 2040 Plan policies associated with construction hours and reduction of construction related vibration impacts would result in less than significant impacts. This project would comply with those provisions and would not result in any site specific peculiar vibration impacts.

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

No impact.

1.5 Project Design Features Incorporated into the Proposed Project

This analysis was based on implementation of the following project design features that are either already depicted on the proposed project site plan and architectural plans or are required from City and State Regulations.

Project Design Feature 1:
During all construction activities the project applicant shall require a sound blanket or sound wall to be placed on the east side of any stationary equipment utilized onsite. The sound blanket or sound wall shall be of adequate height to block the line of sight between the noise sources on the equipment and residents at the nearby homes to the east.

Project Design Feature 2:
The project applicant shall construct the wall depicted on the Proposed Site Plan (see Figure 2) that includes a 6-foot high wall on the west side and a 9-foot high wall on the east side. The walls shall be constructed of a solid material, such as vinyl or concrete masonry units (CMU) or another solid material that provides a minimum sound transmission class (STC) rating of 25. The walls may also be constructed of a combination of a berm and wall, as long as the depicted heights are met.



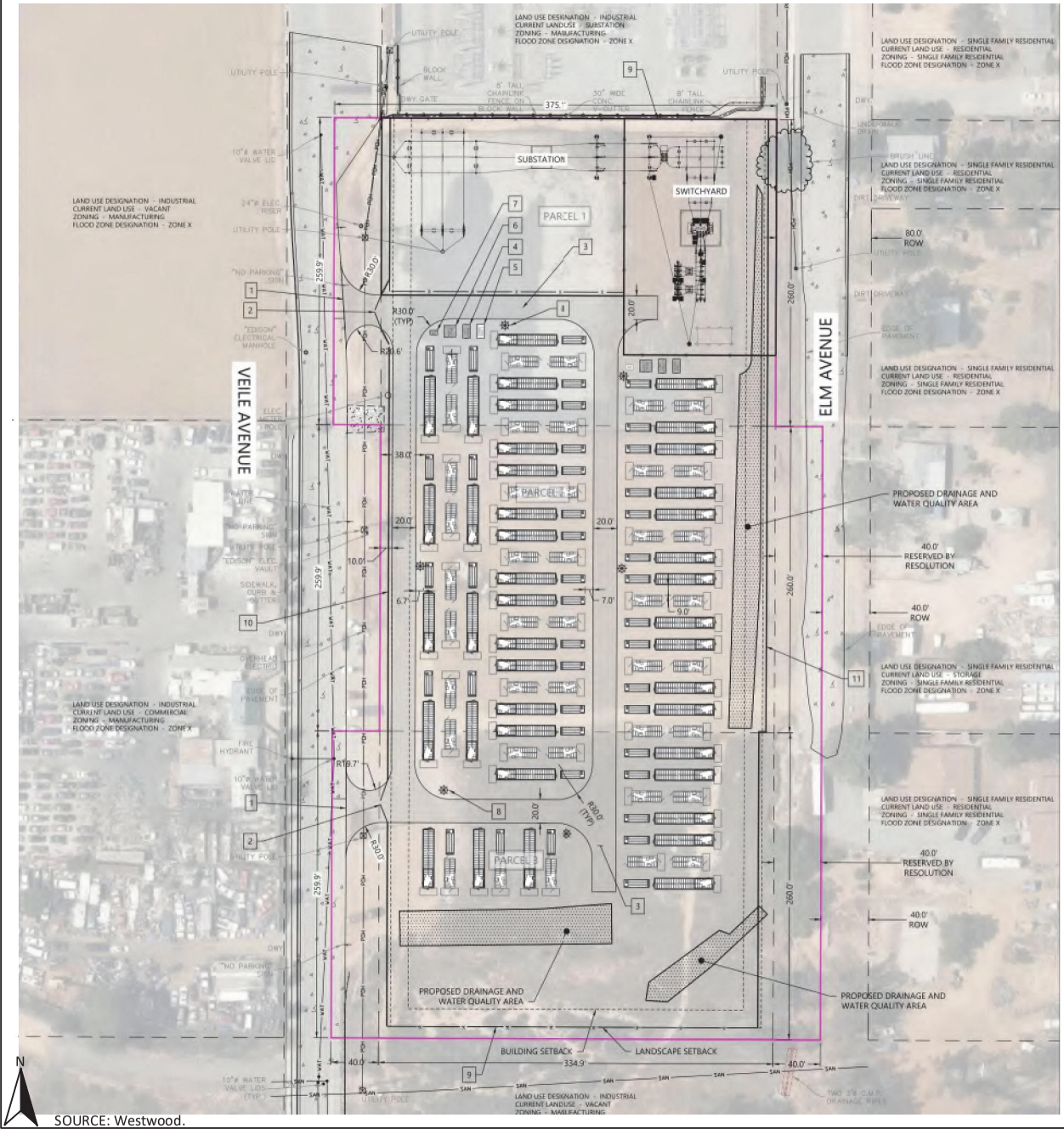
N

Imagery ©2021 Google, Imagery ©2021 County of San Bernardino, Maxar Technologies, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2021 500 ft

SOURCE: Google Maps.

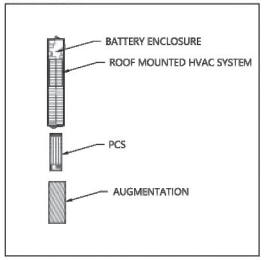
VISTA ENVIRONMENTAL

Figure 1
Project Location Map



SOURCE: Westwood.

BATTERY LEGEND



1. 24' COMMERCIAL DRIVEWAY CONNECTION
2. PROPOSED 30' WIDE GATE WITH KNOX BOX FOR FIRE AND SITE ACCESS
3. PROPOSED 20' PRIVATE DRIVEWAY & FIRE LANE (GRAVEL)
4. PROPOSED SWITCH GEAR
5. PROPOSED SWITCH BOARD
6. PROPOSED TRANSFORMER
7. PROPOSED JUNCTION BOX
8. PROPOSED LIGHT POLE
9. PROPOSED 6' CHAIN LINK FENCE
10. PROPOSED 6' WALL
11. PROPOSED 9' WALL

LEGEND:

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- PARCEL LINES
- EASEMENT LINES
- EX. TREELINE
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- EX. FENCE
- EX. FIBER OPTIC LINE
- EX. GAS PIPELINE
- EX. UNDERGROUND POWER
- EX. OVERHEAD POWER
- EX. TELEPHONE LINE
- PROPOSED DRAINAGE POND AREA
- 20 FT. PROPOSED ACCESS ROAD
- PROPOSED BATTERY CONTAINER & PCS
- PROPOSED SETBACK BOUNDARY
- PROPOSED EXTERIOR LIGHT

SITE INFORMATION	
ASSESSORS PARCEL NUMBER	
PARCEL 1	APN 417-110-012
PARCEL 2	APN 417-130-012
PARCEL 3	APN 417-130-O05
SITE LOCATION	248 VEILE AVENUE
CITY JURISDICTION	CITY OF BEAUMONT, CALIFORNIA
TOTAL SITE AREA	6.95 ACRES
PARCEL 1	2.24 ACRES
PARCEL 2	2.24 ACRES
PARCEL 3	2.47 ACREDS
TOTAL PROPOSED LANDSCAPING	0.24 ACRES
LAND USE DESIGNATION	INDUSTRIAL
ZONING DESIGNATION	M (MANUFACTURING)
PROPOSED ZONING	M (MANUFACTURING)
EXISTING USE	VACANT
BUILDING SETBACK	
FRONT	25'
REAR	20' PLUS 2' FOR EVERY FOOT OVER 35'
SIDE	0'
LANDSCAPE SETBACK	10' (RIGHT OF WAY)
TOTAL PARKING STALLS REQUIRED	0
TOTAL PARKING STALLS PROVIDED	0

VISTA ENVIRONMENTAL

Figure 2
Proposed Site Plan

2.0 NOISE FUNDAMENTALS

Noise is defined as unwanted sound. Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm or when it has adverse effects on health. Sound is produced by the vibration of sound pressure waves in the air. Sound pressure levels are used to measure the intensity of sound and are described in terms of decibels. The decibel (dB) is a logarithmic unit which expresses the ratio of the sound pressure level being measured to a standard reference level. A-weighted decibels (dBA) approximate the subjective response of the human ear to a broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear.

2.1 Noise Descriptors

Noise Equivalent sound levels are not measured directly, but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. The peak traffic hour Leq is the noise metric used by California Department of Transportation (Caltrans) for all traffic noise impact analyses.

The Day-Night Average Level (Ldn) is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time of day corrections require the addition of ten decibels to sound levels at night between 10 p.m. and 7 a.m. While the Community Noise Equivalent Level (CNEL) is similar to the Ldn, except that it has another addition of 4.77 decibels to sound levels during the evening hours between 7 p.m. and 10 p.m. These additions are made to the sound levels at these time periods because during the evening and nighttime hours, when compared to daytime hours, there is a decrease in the ambient noise levels, which creates an increased sensitivity to sounds. For this reason the sound appears louder in the evening and nighttime hours and is weighted accordingly. The City of Beaumont relies on the CNEL noise standard to assess transportation-related impacts on noise sensitive land uses.

2.2 Tone Noise

A pure tone noise is a noise produced at a single frequency and laboratory tests have shown that humans are more perceptible to changes in noise levels of a pure tone. For a noise source to contain a “pure tone,” there must be a significantly higher A-weighted sound energy in a given frequency band than in the neighboring bands, thereby causing the noise source to “stand out” against other noise sources. A pure tone occurs if the sound pressure level in the one-third octave band with the tone exceeds the average of the sound pressure levels of the two contiguous one-third octave bands by:

- 5 dB for center frequencies of 500 hertz (Hz) and above
- 8 dB for center frequencies between 160 and 400 Hz
- 15 dB for center frequencies of 125 Hz or less

2.3 Noise Propagation

From the noise source to the receiver, noise changes both in level and frequency spectrum. The most obvious is the decrease in noise as the distance from the source increases. The manner in which noise reduces with distance depends on whether the source is a point or line source as well as ground absorption, atmospheric effects and refraction, and shielding by natural and manmade features. Sound

from point sources, such as air conditioning condensers, radiate uniformly outward as it travels away from the source in a spherical pattern. The noise drop-off rate associated with this geometric spreading is 6 dBA per each doubling of the distance (dBA/DD). Transportation noise sources such as roadways are typically analyzed as line sources, since at any given moment the receiver may be impacted by noise from multiple vehicles at various locations along the roadway. Because of the geometry of a line source, the noise drop-off rate associated with the geometric spreading of a line source is 3 dBA/DD.

2.4 Ground Absorption

The sound drop-off rate is highly dependent on the conditions of the land between the noise source and receiver. To account for this ground-effect attenuation (absorption), two types of site conditions are commonly used in traffic noise models, soft-site and hard-site conditions. Soft-site conditions account for the sound propagation loss over natural surfaces such as normal earth and ground vegetation. For point sources, a drop-off rate of 7.5 dBA/DD is typically observed over soft ground with landscaping, as compared with a 6.0 dBA/DD drop-off rate over hard ground such as asphalt, concrete, stone and very hard packed earth. For line sources a 4.5 dBA/DD is typically observed for soft-site conditions compared to the 3.0 dBA/DD drop-off rate for hard-site conditions. Caltrans research has shown that the use of soft-site conditions is more appropriate for the application of the Federal Highway Administration (FHWA) traffic noise prediction model used in this analysis.

3.0 GROUND-BORNE VIBRATION FUNDAMENTALS

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors, since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

3.1 Vibration Descriptors

There are several different methods that are used to quantify vibration amplitude such as the maximum instantaneous peak in the vibrations velocity, which is known as the peak particle velocity (PPV) or the root mean square (rms) amplitude of the vibration velocity. Due to the typically small amplitudes of vibrations, vibration velocity is often expressed in decibels and is denoted as (L_v) and is based on the rms velocity amplitude. A commonly used abbreviation is "VdB", which in this text, is when L_v is based on the reference quantity of 1 micro inch per second.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Off-site sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration.

3.3 Vibration Propagation

The propagation of ground-borne vibration is not as simple to model as airborne noise. This is due to the fact that noise in the air travels through a relatively uniform median, while ground-borne vibrations travel through the earth which may contain significant geological differences. There are three main types of vibration propagation; surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wave front, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wave front. However, unlike P-waves, the particle motion is transverse or "side-to-side and perpendicular to the direction of propagation."

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 REGULATORY SETTING

The project site is located in the City of Beaumont. Noise regulations are addressed through the efforts of various federal, state, and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Promulgating noise emission standards for interstate commerce
- Assisting state and local abatement efforts
- Promoting noise education and research

The Federal Office of Noise Abatement and Control (ONAC) was initially tasked with implementing the Noise Control Act. However, the ONAC has since been eliminated, leaving the development of federal noise policies and programs to other federal agencies and interagency committees. For example, the Occupational Safety and Health Administration (OSHA) agency prohibits exposure of workers to excessive sound levels. The Department of Transportation (DOT) assumed a significant role in noise control through its various operating agencies. The Federal Aviation Administration (FAA) regulates noise of aircraft and airports. Surface transportation system noise is regulated by a host of agencies, including the Federal Transit Administration (FTA). Transit noise is regulated by the FTA, while freeways that are part of the interstate highway system are regulated by the Federal Highway Administration (FHWA). Finally, the federal government actively advocates that local jurisdictions use their land use regulatory authority to arrange new development in such a way that "noise sensitive" uses are either prohibited from being sited adjacent to a highway or, alternately that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by the transportation sources, the City is restricted to regulating the noise generated by the transportation system through nuisance abatement ordinances and land use planning.

4.2 State Regulations

Noise Standards

California Department of Health Services Office of Noise Control

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the "Land Use Compatibility for Community Noise Environments Matrix," which allows the local jurisdiction to clearly delineate compatibility of sensitive uses with various incremental levels of noise.

California Noise Insulation Standards

Title 24, Chapter 1, Article 4 of the California Administrative Code (California Noise Insulation Standards) requires noise insulation in new hotels, motels, apartment houses, and dwellings (other than single-family detached housing) that provides an annual average noise level of no more than 45 dBA CNEL. When such structures are located within a 60-dBA CNEL (or greater) noise contour, an acoustical analysis is required

to ensure that interior levels do not exceed the 45-dBA CNEL annual threshold. In addition, Title 21, Chapter 6, Article 1 of the California Administrative Code requires that all habitable rooms, hospitals, convalescent homes, and places of worship shall have an interior CNEL of 45 dB or less due to aircraft noise.

Government Code Section 65302

Government Code Section 65302 mandates that the legislative body of each county and city in California adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable.

California Vehicle Code Section 27200-27207 – On-Road Vehicle Noise

California Vehicle Code Section 27200-27207 provides noise limits for vehicles operated in California. For vehicles over 10,000 pounds noise is limited to 88 dB for vehicles manufactured before 1973, 86 dB for vehicles manufactured before 1975, 83 dB for vehicles manufactured before 1988, and 80 dB for vehicles manufactured after 1987. All measurements are based at 50 feet from the vehicle.

California Vehicle Section 38365-38380 – Off-Road Vehicle Noise

California Vehicle Code Section 38365-38380 provides noise limits for off-highway motor vehicles operated in California. 92 dBA for vehicles manufactured before 1973, 88 dBA for vehicles manufactured before 1975, 86 dBA for vehicles manufactured before 1986, and 82 dBA for vehicles manufactured after December 31, 1985. All measurements are based at 50 feet from the vehicle.

Vibration Standards

Title 14 of the California Administrative Code Section 15000 requires that all state and local agencies implement the California Environmental Quality Act (CEQA) Guidelines, which requires the analysis of exposure of persons to excessive groundborne vibration. However, no statute has been adopted by the state that quantifies the level at which excessive groundborne vibration occurs.

Caltrans issued the *Transportation- and Construction-Induced Vibration Guidance Manual* in 2004. The manual provides practical guidance to Caltrans engineers, planners, and consultants who must address vibration issues associated with the construction, operation, and maintenance of Caltrans projects. However, this manual is also used as a reference point by many lead agencies and CEQA practitioners throughout California, as it provides numeric thresholds for vibration impacts. Thresholds are established for continuous (construction-related) and transient (transportation-related) sources of vibration, which found that the human response becomes distinctly perceptible at 0.25 inch per second PPV for transient sources and 0.04 inch per second PPV for continuous sources.

4.3 Local Regulations

The City of Beaumont General Plan and Municipal Code establishes the following applicable policies related to noise and vibration.

City of Beaumont General Plan

Conflicts between noise sources and noise-sensitive land uses occur when noise-sensitive land uses are permitted in areas with high ambient noise levels. These conflicts can be avoided through consideration

of noise sources and the future noise environment when making land use and development decisions. Table B (Table 10.1 in the General Plan) presents ambient noise level standards by land use and time of day.

Table B – City of Beaumont General Plan Noise Standards by Land Use

Land Use	Decibels	Time
Residential	45 dB(A)	10:00 pm – 7:00 am
Residential	55 dB(A)	7:00 am – 10:00 pm
Industrial and Commercial	50 dB(A)	10:00 pm – 7:00 am
Industrial and Commercial	75 dB(A)	7:00 am – 10:00 pm

Source: City of Beaumont, 2020

The following applicable goals and policies to the proposed project are from the Noise Element of the General Plan.

Goal 10.1: A City where noise exposure is minimized for those living and working in the community.

Policies:

10.1.1 Protect public health and welfare by eliminating existing noise problems and by preventing significant degradation of the future acoustic environment.

10.1.2 Adopt, maintain, and enforce planning guidelines that establish the acceptable noise standards identified in Table 10.1 (see Table B) and 10.2.

10.1.3 Protect noise-sensitive uses, such as residences, schools, health care facilities, hotels, libraries, parks and places of worship, from excessive noise levels through land use adjacency, building design, and noise ordinance enforcement.

10.1.4 Incorporate noise considerations into land use planning decisions. Require the inclusion of noise mitigation measures, as may be necessary to meet standards, in the design of new development projects in the City.

10.1.5 Require projects involving new development or modifications to existing development to implement measures, where necessary, to reduce noise levels to at least the normally compatible range. Design measures should focus on architectural features and building design and construction, rather than site design features, such as excessive setbacks, berms, and sound walls, to maintain compatibility with adjacent and surrounding uses.

10.1.6 Encourage reduction of stationary noise impacts from commercial and industrial land uses, activities, events, and businesses on noise-sensitive land uses.

10.1.7 Limit delivery or service hours for stores and businesses with loading areas, docks, or trash bins that front, side, border, or gain access on driveways next to residential and other noise sensitive areas, such as residences, schools, hospitals, religious meeting spaces, and recreation areas.

10.1.8 Promote the effective enforcement of Federal, State, and City noise standards by all appropriate City departments.

City of Beaumont Municipal Code

The City of Beaumont Municipal Code establishes the following applicable standards related to noise.

9.02.050 - Base ambient noise level.

All ambient noise measurements shall commence at the base ambient noise levels in decibels within the respective times and zones as follows:

Table C – City of Beaumont Municipal Code Base Ambient Noise Levels

Decibels	Time	Zone Use
45 dB(A)	10:00 p.m. – 7:00 a.m.	Residential
55 dB(A)	7:00 a.m. – 10:00 p.m.	Residential
50 dB(A)	10:00 p.m. – 7:00 a.m.	Industrial and Commercial
75 dB(A)	7:00 a.m. – 10:00 p.m.	Industrial and Commercial

Source: City of Beaumont Municipal Code Section 9.02.050

Actual decibel measurements exceeding the levels set forth hereinabove at the times and within the zones corresponding thereto shall be employed as the "base ambient noise level" referred to in this Chapter. Otherwise, no ambient noise shall be deemed to be less than the above specified levels.

9.02.060 – Exterior noise level measurement.

Except as otherwise specifically provided herein, all reference to "exterior noise" or "exterior noise levels" as used in this Chapter shall be as measured at any point relative to the closest point of the source of the noise at the property line of the complaining party. Measurements will not be made during extraordinary times, such as during the movement of a nearby train or airplane.

9.02.090 – Maximum nonresidential noise levels.

Any provision contained herein to the contrary notwithstanding, no exterior noise level shall exceed the base ambient noise levels (BANL) for nonresidential land uses set forth in any development agreement applicable to such development or as otherwise specifically set forth in any development standard which is by its terms enforceable by the City against the noise maker.

9.02.100 – Exemptions.

Sound emanating from the following sources is exempt from the provisions of this Chapter:

D. Other public/governmental services or operations including, but not limited to trains and railway or airplanes and helicopter machinery, equipment or vehicles.

9.02.110 – Special Provisions.

F. *Construction, Landscape, Maintenance or Repair.*

1. It shall be unlawful for any person to engage in or permit the generation of noise related to landscape maintenance, construction including erection, excavation, demolition, alteration or repair of any structure or improvement, at such sound levels, as measured at the property line of the nearest adjacent occupied property, as to be in excess of the sound

levels permitted under this Chapter, at other times than between the hours of 7:00 a.m. and 6:00 p.m. The person engaged in such activity is hereby permitted to exceed sound levels otherwise set forth in this Chapter for the duration of the activity during the above described hours for purposes of construction. However, nothing contained herein shall permit any person to cause sound levels to at any time exceed 55 dB(A) for intervals of more than 15 minutes per hour as measured in the interior of the nearest occupied residence or school.

2. Whenever a construction site is within one-quarter of a mile of an occupied residence or residences, no construction activities shall be undertaken between the hours of 6:00 p.m. and 6:00 a.m. during the months of June through September and between the hours of 6:00 p.m. and 7:00 a.m. during the months of October through May. Exceptions to these standards shall be allowed only with the written consent of the building official.
3. Construction related noise as defined in subsection (F)(1) and (2) above may take place outside the time period set forth therein and above the relative sound levels in case of urgent necessity in the interest of public health and safety, and then only with the prior permission of the building inspector. Such permit may be granted for a period of not to exceed three days or until the emergency ends, whichever is less. The permit may be renewed for periods of three days while the emergency continues.
4. Unless exempted by this Chapter, if the building official should determine that the public health and safety will not be impaired by the construction related noise, the building inspector may issue a permit for construction within the hours of 6:00 p.m. and 7:00 a.m., upon application being made at the time the permit for the work is awarded or during the progress of the work. The building official may place such conditions on the issuance of the permit that are appropriate to maintain the public health and safety, as determined by the building official.

G. *Machinery, Equipment, Fans and Air Conditioning.* It shall be unlawful for any person to operate, cause to operate or permit the operation of any machinery, equipment, device, pump, fan, compressor, air conditioning apparatus or similar mechanical device, including but not limited to the use of any steam shovel, pneumatic hammer, derrick, steam or electric hoist, blower or power fan, or any internal combustion engine, the operation of which causes noise due to the explosion of operating gases or fluids, or other appliance, in any manner so as to create any noise which would cause the noise level at the property line of the property upon which the equipment or machinery is operated to exceed the base ambient noise level by five dB(A).

9.02.130 – Application between zones.

In applying the regulations set forth in this Chapter, each source of noise shall be subject only to such regulation as shall apply to the zone, including any designated truck route, within which it is located. A use lying adjacent to a zone with a more restrictive noise requirement hereunder shall not be required to conform to that more restrictive requirement. For purposes of this subsection, "zone" shall be as utilized in Title 17 of the Beaumont Municipal Code.

5.0 EXISTING NOISE CONDITIONS

To determine the existing noise levels, noise measurements have been taken in the vicinity of the project site. The field survey noted that noise within the project area is generally characterized by vehicle traffic on Veile Avenue that is located adjacent to the west side of the project site and from Interstate 10 that is located as near as 0.3 mile northeast of the project site as well as from the train noise from the Union Pacific Railroad that is located as near as 0.25 mile northeast of the project site. The following describes the measurement procedures, measurement locations, noise measurement results, and the modeling of the existing noise environment.

5.1 Noise Measurement Equipment

The noise measurements were taken using two Extech Model 407780 Type 2 integrating sound level meters programmed in "slow" mode to record the sound pressure level at 3-second intervals for approximately 24 hours in "A" weighted form. In addition, the L_{eq} averaged over the entire measuring time and L_{max} were recorded. The sound level meters and microphones were mounted approximately four to seven feet above the ground and were equipped with a windscreen. The sound level meters were calibrated before and after the monitoring using an Extech calibrator, Model 407766. The noise level measurement equipment meets American National Standards Institute specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA).

Noise Measurement Location

The noise monitoring locations were selected in order to obtain noise levels on the project site and at the nearest residential uses that are located on the east side of the project site. Descriptions of the noise monitoring sites are provided below in Table D and are shown in Figure 3. Appendix A includes a photo index of the study area and noise level measurement locations.

Noise Measurement Timing and Climate

The noise measurements were recorded between 12:48 p.m. on Tuesday, January 26, 2021 and 12:55 p.m. on Wednesday, January 27, 2021. When the noise measurements were started the sky was partly cloudy, the temperature was 45 degrees Fahrenheit, the humidity was 63 percent, barometric pressure was 27.31 inches of mercury, the wind was blowing around four miles per hour, and there were patches of snow on the ground (snow has very high noise absorption values, which results in lower noise levels). Overnight, the temperature dropped to 35 degrees Fahrenheit. At the conclusion of the noise measurements, all of the snow had melted, the sky was partly cloudy, the temperature was 49 degrees Fahrenheit, the humidity was 55 percent, barometric pressure was 27.42 inches of mercury, and the wind was blowing around nine miles per hour.

5.2 Noise Measurement Results

The results of the noise level measurements are presented in Table D. The measured sound pressure levels in dBA have been used to calculate the minimum and maximum L_{eq} averaged over 1-hour intervals. Table D also shows the L_{eq}, L_{max}, and CNEL, based on the entire measurement time. The noise monitoring data printouts are included in Appendix B. Figure 4 shows a graph of the 24-hour noise measurements.

Table D – Existing (Ambient) Noise Level Measurements

Site No.	Site Description	Average (dBA Leq)	Maximum (dBA Lmax)	Minimum Hourly Noise (dBA Leq 1-hour/Time)		Average (dBA CNEL)
				Daytime[1]	Nighttime[2]	
1	Located near the northeast corner of the project site, on the southeast corner of the fence for the existing substation.	60.6	87.2	49.3 12:51 p.m.	49.8 4:50 a.m.	66.8
2	Located on a tree on the east side of the project site, directly west of the southernmost home on Elm Street.	52.5	75.5	43.3 12:56 a.m.	46.8 4:53 a.m.	69.3

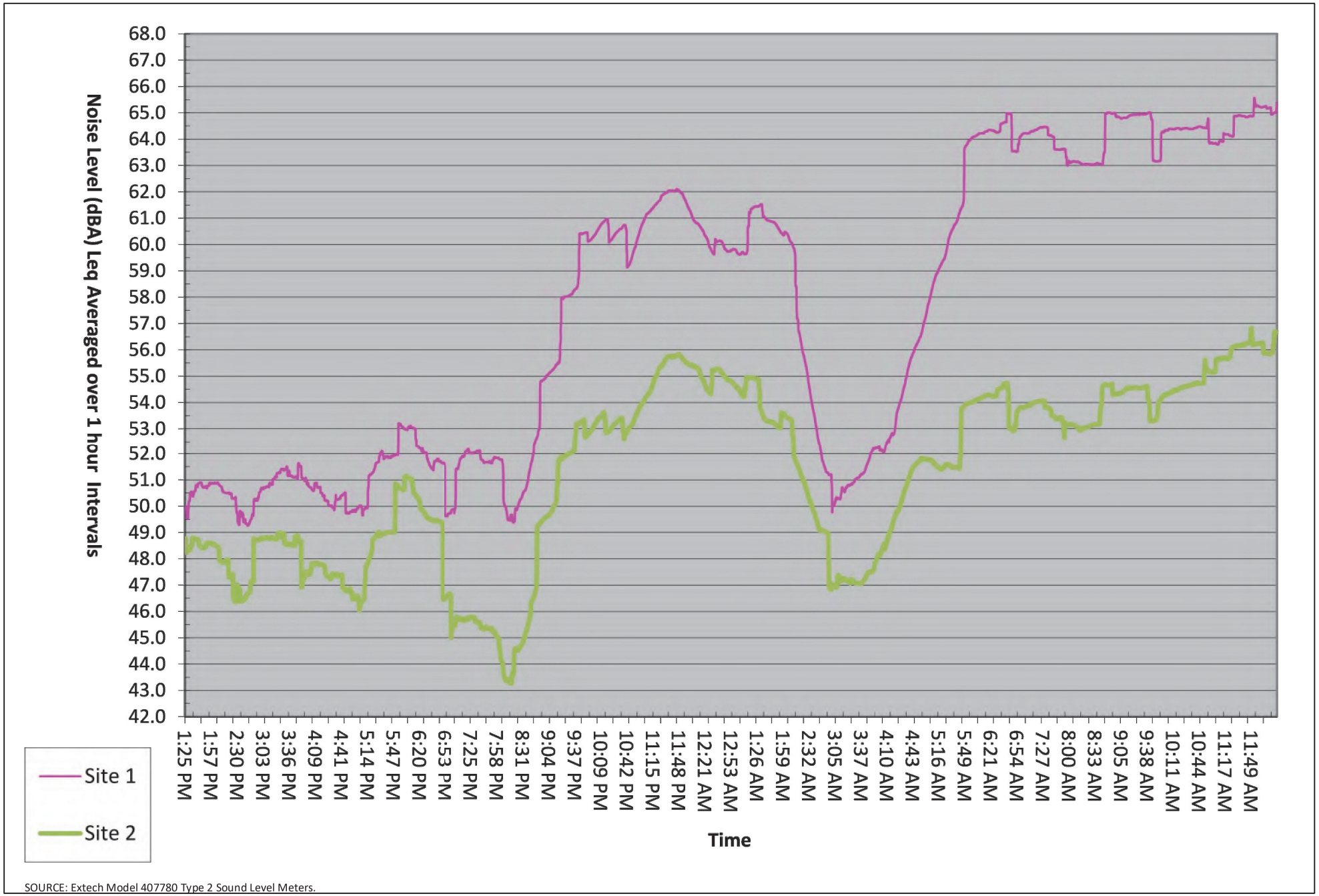
Notes:
[1] Daytime defined as 7:00 a.m. to 10:00 p.m. in Section 9.02.050 of the Municipal Code.
[1] Nighttime defined as 10:00 p.m. to 7:00 a.m. in Section 9.02.050 of the Municipal Code.
Source: Noise measurements were taken with two Extech Model 407780 Type 2 sound level meters between Tuesday, January 26 and Wednesday, January 27, 2021.



SOURCE: Google Maps.

VISTA ENVIRONMENTAL

Figure 3
Field Noise Monitoring Locations



SOURCE: Extech Model 407780 Type 2 Sound Level Meters.

VISTA ENVIRONMENTAL

Figure 4
Field Noise Measurements Graph

6.0 MODELING PARAMETERS AND ASSUMPTIONS

6.1 Construction Noise

The noise impacts from construction of the proposed project have been analyzed through use of the FHWA's Roadway Construction Noise Model (RCNM). The FHWA compiled noise measurement data regarding the noise generating characteristics of several different types of construction equipment used during the Central Artery/Tunnel project in Boston. The project applicant is simultaneously processing similar battery energy storage projects in Santa Clarita and the proposed project in the City of Beaumont. Since an air quality report that requires the itemization of all construction equipment utilized during construction of the proposed project was not required for the proposed project, the itemized construction equipment provided in *Air Quality and Greenhouse Gas Emissions Impact Analysis Canyon Country Energy Storage Project* (Santa Clarita Air Quality Analysis), prepared by Vista Environmental, February 2, 2021, has been utilized in this analysis. Table E below provides a list of the construction equipment anticipated to be used for each phase of construction as detailed in the Santa Clarita Air Quality Analysis.

Table E – Construction Equipment Noise Emissions and Usage Factors

Equipment Description	Number of Equipment	Acoustical Use Factor[1] (percent)	Spec 721.560 Lmax at 50 feet[2] (dBA, slow[3])	Actual Measured Lmax at 50 feet4 (dBA, slow3)
Grading (including Foundations and Utilities)				
Dump Truck	1	40	84	76
Grader	1	40	85	N/A
Excavator	1	40	85	81
Forklift (Gradall)	1	40	85	83
Generator	1	50	82	81
Roller	1	20	85	80
Rubber Tired Dozer	1	40	85	82
Pile Diver	1	20	95	101
Paving (including onsite Roads and Pads)				
Compactor	1	20	80	83
Grader	1	40	85	N/A
Roller	1	20	85	80
Rubber Tired Dozer	1	40	85	82
Scraper	1	40	85	84
Tractor, Loader or Backhoe	1	40	84	N/A
Building Construction (including installation of all equipment and safety features)				
Delivery Truck (Flatbed Truck)	1	40	84	74
Crane	1	16	85	81
Forklift (Gradall)	2	40	85	83
Tractor, Loader or Backhoe[5]	1	40	84	N/A

Notes:
[1] Acoustical use factor is the percentage of time each piece of equipment is operational during a typical workday.
[2] Spec 721.560 is the equipment noise level utilized by the RCNM program.
[3] The "slow" response averages sound levels over 1-second increments. A "fast" response averages sound levels over 0.125-second increments.
[4] Actual Measured is the average noise level measured of each piece of equipment during the Central Artery/Tunnel project in Boston, Massachusetts primarily during the 1990s.
Source: Federal Highway Administration, 2006 and CalEEMod default equipment mix.

Table E also shows the associated measured noise emissions for each piece of equipment from the RCNM model and measured percentage of typical equipment use per day. Construction noise impacts to the nearby homes have been calculated according to the equipment noise levels and usage factors listed in Table E and through use of the RCNM. For each phase of construction, the nearest piece of equipment was placed at the shortest distance of the proposed activity to the nearby receptors and each subsequent piece of equipment was placed an additional 50 feet away.

6.2 Operational Noise

SoundPlan Model

Potential noise impacts to adjacent properties due to project operations have been analyzed through use of the SoundPlan Version 8.2 noise modeling software. The SoundPlan model accounts for project noise sources as well as sound walls, terrain contour lines, and structures. For each noise source the frequency spectrum can be entered into the model. In order to provide an accurate representation of the project site, the AutoCad version of the preliminary site plan were entered into the SoundPlan Model. The default temperature of 20 degrees Celsius (68 degrees Fahrenheit) and default humidity of 50 percent, which can vary the propagation of noise, were used in the analysis and represent reasonable assumptions, since they are near the averages experienced in the Project vicinity.

On-site Operational Equipment Noise Sources

The proposed onsite equipment has been detailed above in Section 1.3 and summarized in Table A that also details the height of the equipment. Each piece of equipment was analyzed as an area source in the SoundPlan model. The project applicant is currently developing another battery energy storage project in Valley Center, which will utilize similar equipment as the proposed project. As such, the equipment noise specifications provided in *Valley Center Energy Storage Project Noise Impact Study,* prepared by Coffman Engineers, February 1, 2021, has been utilized in this analysis as well and are detailed in Table F. In order to provide a conservative analysis, all equipment was modeled as active 100 percent of the time.

Table F – Proposed Equipment Modeling Parameters in SoundPlan Model

Equipment	Number of Units	Height (meters)	Sound Power Level (dBA)	Reference Sound Spectrum (dB), Octave Bands							
				63	125	250	500	1000	2000	4000	8000
BESS Enclosures (30 ton AC Units)	118	2.36	88.6	88.7	89.6	83.6	83.4	84.3	82.0	77.0	73.4
Power Conversion System (PCS)	59	1.0	86.1	92.2	88.1	84.2	85.5	79.7	77.8	66.7	63.1
Power Distribution Center (PDC)	1	2.0	86.1	92.2	88.1	84.2	85.5	79.7	77.8	66.7	63.1
Auxiliary Transformers	3	1.0	95.1	83.8	93.8	91.8	93.0	90.8	86.8	80.8	70.8
Battery Step Up Transformer (BSU)	1	1.3	95.1	83.8	93.8	91.8	93.0	90.8	86.8	80.8	70.8

Source: Project Applicant and Coffman Engineers, 2021.

Sound Wall Assumptions

As depicted in Project Design Feature 1 and the Proposed Site Plan (see Figure 2), the energy storage facility will have a solid, 6-foot high wall on the west side of the project site and a 9-foot high wall on the east side of the project site, that were both modeled in the SoundPlan model based on the SoundPlan model default wall absorption factors.

6.3 Vibration

Construction activity can result in varying degrees of ground vibration, depending on the equipment used on the site. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Buildings in the vicinity of the construction site respond to these vibrations with varying results ranging from no perceptible effects at the low levels to slight damage at the highest levels. Table G gives approximate vibration levels for particular construction activities. The data in Table G provides a reasonable estimate for a wide range of soil conditions.

Table G – Vibration Source Levels for Construction Equipment

Equipment		Peak Particle Velocity (inches/second)	Approximate Vibration Level (L_v)at 25 feet
Pile driver (impact)	Upper range	1.518	112
	typical	0.644	104
Pile driver (sonic)	Upper range	0.734	105
	typical	0.170	93
Clam shovel drop (slurry wall)		0.202	94
Vibratory Roller		0.210	94
Hoe Ram		0.089	87
Large bulldozer		0.089	87
Caisson drill		0.089	87
Loaded trucks		0.076	86
Jackhammer		0.035	79
Small bulldozer		0.003	58

Source: Federal Transit Administration, 2018.

The construction-related vibration impacts have been calculated through the vibration levels shown above in Table G and through typical vibration propagation rates. The equipment assumptions were based on the equipment lists provided above in Table E.

7.0 IMPACT ANALYSIS

7.1 Thresholds of Significance

Consistent with the California Environmental Quality Act (CEQA) and the State CEQA Guidelines Section 15183 provides the applicable thresholds for the proposed project, since the project is consistent with the General Plan land use designation and zoning and the project would have no site-specific, peculiar noise impacts based on any of the following thresholds:

- Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;
- Generation of excessive groundborne vibration or groundborne noise levels; or
- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels.

7.2 Generation of Noise Levels in Excess of Standards

The proposed project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. The following section calculates the potential noise emissions associated with the temporary construction activities and long-term operations of the proposed project and compares the noise levels to the City standards.

Construction-Related Noise

Noise impacts from construction activities associated with the proposed project would be a function of the noise generated by construction equipment, equipment location, sensitivity of nearby land uses, and the timing and duration of the construction activities. The nearest sensitive receptors to the project site are the single-family homes on the east side of the project site, where the nearest residential structure is as near as 120 feet east of the project site.

Section 9.02.110(F) of the City's Municipal Code allows construction noise to exceed the City noise standards provided that construction activities occur between 7:00 a.m. and 6:00 p.m. on the condition that construction noise does not exceed 55 dB(A) for intervals of more than 15 minutes per hour at the interior of the nearest occupied residence.

Construction noise levels at the exterior of the nearest homes have been calculated through use of the RCNM and the parameters and assumptions detailed in Section 6.1 of this report with implementation of Project Design Feature 1 that requires placement of acoustical blankets on the east side of any stationary equipment utilized during construction of the project. It is industry accepted practice to assume that a single-family home with the windows closed provides 20 dB exterior to interior noise reduction. Both the exterior and interior noise levels for each phase of construction at the nearest homes are shown below in Table H and the RCNM printouts are provided in Appendix C.

Table H – Construction Noise Levels at the Nearest Homes to the East

Construction Phase	Noise Level at Nearest Homes[1] (dBA Leq)	
	Exterior[2]	Interior[3]
Grading (including Foundations and Utilities)[1]	77.2	54.9
Paving (including onsite Roads and Pads)	74.0	54.0
Building Construction (including installation of all equipment and safety features)	71.3	51.3
City Construction Noise Threshold[4]	--	**55**
Exceed Threshold?		No

[1] The nearest homes are located as near as 120 feet east of the project site.
[2] The exterior noise levels were calculated from the RCNM model (see Appendix C).
[3] The interior noise level is based on a 20 dB exterior to interior noise reduction.
[4] City Construction noise threshold from Section 9.02.110(F) of the Municipal Code.
Source: RCNM, Federal Highway Administration, 2018; County of Riverside, 2008.

Table H shows that with implementation of Project Design Feature 1, the noise levels from all phase of construction would be below the City's construction noise threshold of 55 dBA at the interior of the nearest homes to the east. Therefore, with implementation of Project Design Feature 1 and the construction time restrictions detailed in Section 9.02.110(F) of the Municipal Code, construction noise impacts would meet City ordinance and be less than significant.

Operational-Related Noise

The proposed project would consist of the development and operation of a battery energy storage project. The project would create operational noise from the proposed onsite equipment. Section 9.02.110(G) of the Municipal Code limits noise created from machinery, equipment, fans and air conditioning equipment to the Base Ambient Noise Level (BANL) plus 5 dBA. Section 9.02.050 of the Municipal Code defines the BANL for industrial land uses as 75 dBA between 7:00 a.m. and 10:00 p.m. and 50 dBA between 10:00 p.m. and 7:00 a.m.. As such, the resultant noise standard is 80 dBA between 7:00 a.m. and 10:00 p.m. and 55 dBA between 10:00 p.m. and 7:00 a.m..

It should be noted that Section 9.02.130 of the Municipal Code details the application of the noise standards between land use zones and details that "A use lying adjacent to a zone with a more restrictive noise requirement hereunder shall not be required to conform to that more restrictive requirement." As such, since the project site is zoned Manufacturing (M), the industrial land use BANL is the appropriate standard to use for all adjacent land uses, including the residential uses to the east.

As detailed in Section 6.2 above, noise levels at the nearby properties were calculated through use of the SoundPlan model that includes implementation of Project Design Feature 2 that requires construction of a minimum 6-foot high wall on the west side of the project site and a minimum 9-foot high wall on the east side of the project site. The SoundPlan model results are shown in Table I, Figure 5 shows model results for operational noise contours and Appendix D provides the SoundPlan model printouts.

Table I – Modeled Operational Noise Levels at the Nearby Receptors

Receiver[1]	Land Use	Calculated Noise Level[2] (dBA Leq)	City Noise Standards		Exceed Noise Standards?
			Day	Night	
1	Single-Family Home to Northeast	51.4	80	55	No
2	Single-Family Home to East	53.9	80	55	No
3	Single-Family Home to East	55.0	80	55	No
4	Single-Family Home to Southeast	53.4	80	55	No
5	Vacant Land to South	50.6	80	55	No

Notes:
[1] Receiver locations shown in Figure 5.
[2] Calculated with SoundPlan Version 8.2 (see Appendix D)

Table I shows that the operational noise levels created by the proposed energy storage project would be within the City's daytime and nighttime noise standards at the nearby receptors. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels from onsite noise sources. Impacts would be less than significant.

Level of Significance

Less than significant impact.

7.3 Generation of Excessive Groundborne Vibration

The proposed project would not expose persons to or generation of excessive groundborne vibration or groundborne noise levels. The following section analyzes the potential vibration impacts associated with the construction and operations of the proposed project.

Construction-Related Vibration Impacts

Vibration impacts from construction activities associated with the proposed project would typically be created from the operation of heavy off-road equipment. The nearest offsite structures that are susceptible to vibration are the single-family homes on the east side of the project site, where the nearest residential structure is as near as 120 feet east of the project site.

Since neither the City's Municipal Code nor the General Plan provides a quantifiable vibration threshold level, Caltrans guidance that is detailed above in Section 4.2 has been utilized, which defines the threshold of perception from transient sources at 0.25 inch per second PPV.

The primary source of vibration during construction would be from the operation of a vibratory roller. From Table G above shows that a vibratory roller would create a vibration level of 0.21 inch per second PPV at 25 feet. Based on typical propagation rates, the vibration level at the nearest offsite structure (120 feet away) would be 0.04 inch per second PPV. The vibration level at the nearest residential structure would be below the 0.25 inch per second PPV threshold detailed above. Impacts would be less than significant.

Operations-Related Vibration Impacts

The proposed project would consist of the operation of an energy storage facility. The on-going operation of the proposed project would not include the operation of any known vibration sources. Therefore, a less than significant vibration impact is anticipated from the operation of the proposed project.

Level of Significance

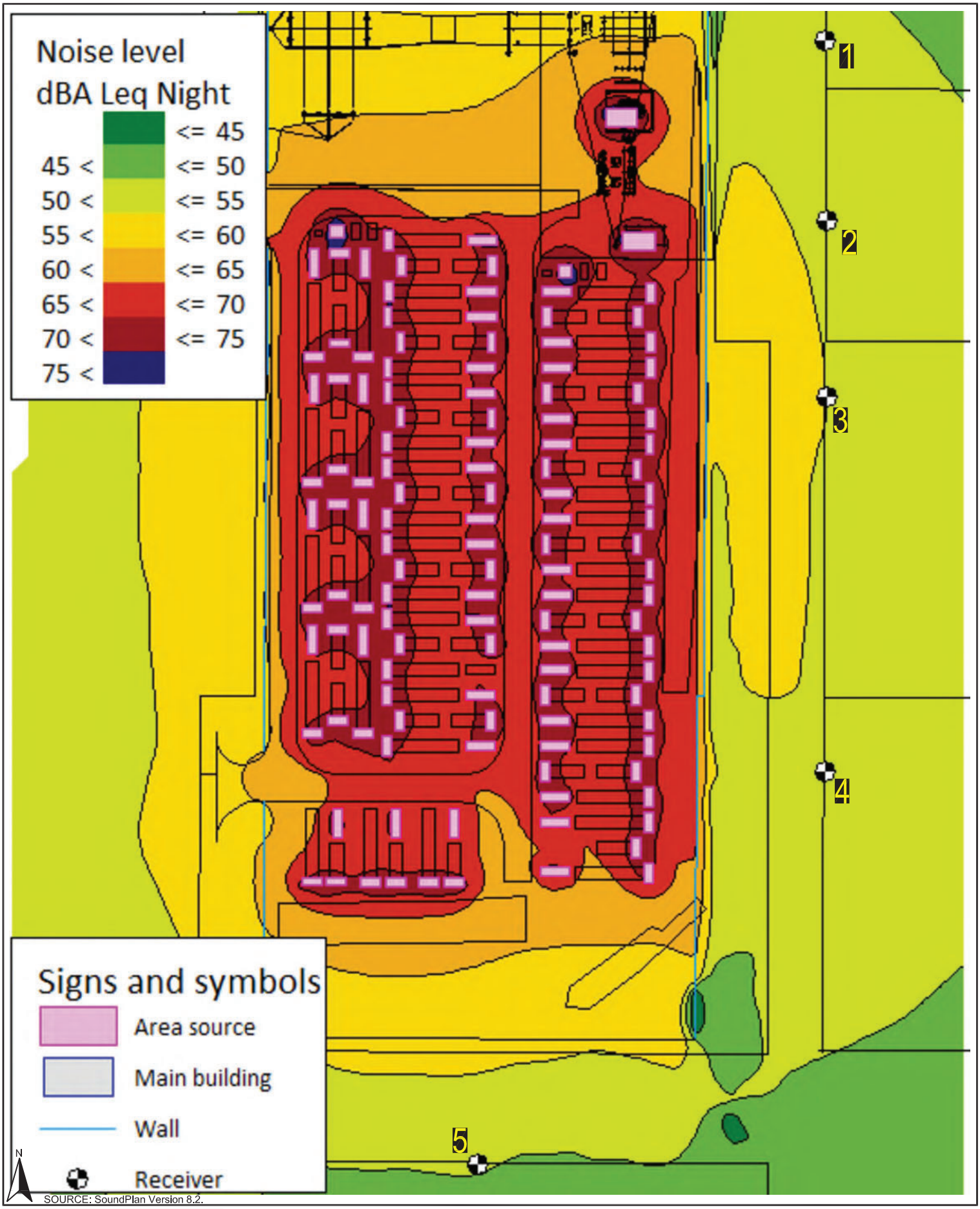
Less than significant impact.

7.4 Aircraft Noise

The proposed project would not expose people residing or working in the project area to excessive noise levels from aircraft. The nearest airport is Banning Municipal Airport that is located approximately seven miles east of the project site. The project site is located outside of the 60 dBA CNEL noise contours of Banning Municipal Airport. No impacts would occur from aircraft noise.

Level of Significance

No impact.



SOURCE: SoundPlan Version 8.2.

VISTA ENVIRONMENTAL

Figure 5
Operational Noise Level Contours

8.0 REFERENCES

California Department of Transportation, *2016 Annual Average Daily Truck Traffic on the California State Highway System*, 2018.

California Department of Transportation (Caltrans), *Technical Noise Supplement to the Traffic Noise Analytics Protocol*, September 2013.

California Department of Transportation, *Transportation- and Construction-Induced Vibration Guidance Manual*, September 2013.

City of Beaumont, *Beaumont General Plan,* December 1, 2020.

City of Beaumont, *Code of Ordinances, City of Beaumont, CA,* 2018.

Coffman Engineers, *Valley Center Energy Storage Project Noise Impact Study,* February 1, 2021.

County of Riverside, *County of Riverside General Plan,* December 2015.

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment,* September 2018.

U.S. Department of Transportation, *FHWA Roadway Construction Noise Model User's Guide,* January, 2006.

Vista Environmental, *Air Quality and Greenhouse Gas Emissions Impact Analysis Canyon Country Energy Storage Project,* February 2, 2021.

APPENDIX A

Field Noise Measurements Photo Index



Noise Measirement Site 1 - looking north



Noise Measirement Site 1 - looking northeast



Noise Measirement Site 1 - looking east



Noise Measirement Site 1 - looking southeast



Noise Measirement Site 1 - looking south



Noise Measirement Site 1 - looking southwest



Noise Measirement Site 1 - looking west



Noise Measirement Site 1 - looking northwest



Noise Measirement Site 2 - looking north



Noise Measirement Site 2 - looking northeast



Noise Measirement Site 2 - looking east



Noise Measirement Site 2 - looking southeast



Noise Measirement Site 2 - looking south



Noise Measirement Site 2 - looking southwest



Noise Measirement Site 2 - looking west



Noise Measirement Site 2 - looking northwest

APPENDIX B

Field Noise Measurements Printouts

Site 1 - On Fence Near Northeast Corner of Property

Date Time=01/26/21 12:48:00 PM
Sampling Time=3 Weighting=A
Record Num= 29201 Weighting=Slow CNEL(24hr)= 66.8
Leq 60.6 SEL Value=110.3 Ldn(24hr)= 66.8
MAX 87.2 Min Night Leq1hr = 49.8 4:50 AM
MIN 41.7 Min Day Leq1hr = 49.3 12:51 AM

Site 2 - On Tree Near Southeast Corner or Property

Date Time=01/26/21 12:55:00 PM
Sampling Time=3 Freq Weighting=A
Record Num= 29200 Weighting=Slow CNEL(24hr)= 59.4
Leq 52.5 SEL Value=102.1 Ldn(24hr)= 59.3
MAX 75.5 Min Night Leq1hr = 46.8 4:53 AM
MIN 38.5 Min Day Leq1hr = 43.3 12:56 AM

Site 1 - On Fence Near Northeast Corner of Property

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
45.1	12:48:00		45.1	45.1
51.7	12:48:03		51.7	51.7
43.9	12:48:06		43.9	43.9
54.1	12:48:09		54.1	54.1
57	12:48:12		57	57
61.2	12:48:15		61.2	61.2
52.7	12:48:18		52.7	52.7
53.5	12:48:21		53.5	53.5
48.8	12:48:24		48.8	48.8
47.4	12:48:27		47.4	47.4
44.9	12:48:30		44.9	44.9
52.6	12:48:33		52.6	52.6
66.3	12:48:36		66.3	66.3
64.8	12:48:39		64.8	64.8
49.9	12:48:42		49.9	49.9
51	12:48:45		51	51
53.5	12:48:48		53.5	53.5
69	12:48:51		69	69
61.7	12:48:54		61.7	61.7
61.3	12:48:57		61.3	61.3
61.2	12:49:00		61.2	61.2
62.8	12:49:03		62.8	62.8
61.5	12:49:06		61.5	61.5
65.4	12:49:09		65.4	65.4
61.8	12:49:12		61.8	61.8
53.3	12:49:15		53.3	53.3
52.3	12:49:18		52.3	52.3
51.7	12:49:21		51.7	51.7
49.5	12:49:24		49.5	49.5
63.4	12:49:27		63.4	63.4
57.4	12:49:30		57.4	57.4
51.2	12:49:33		51.2	51.2
60.9	12:49:36		60.9	60.9
66.8	12:49:39		66.8	66.8
61.2	12:49:42		61.2	61.2
61.7	12:49:45		61.7	61.7
57.6	12:49:48		57.6	57.6
61.4	12:49:51		61.4	61.4
65.3	12:49:54		65.3	65.3
58.4	12:49:57		58.4	58.4
57.4	12:50:00		57.4	57.4
56.3	12:50:03		56.3	56.3
49.2	12:50:06		49.2	49.2
47.5	12:50:09		47.5	47.5
48.5	12:50:12		48.5	48.5
47.7	12:50:15		47.7	47.7
46.8	12:50:18		46.8	46.8
46.2	12:50:21		46.2	46.2
46.9	12:50:24		46.9	46.9
46.5	12:50:27		46.5	46.5
47.1	12:50:30		47.1	47.1
47.6	12:50:33		47.6	47.6
48	12:50:36		48	48
47.5	12:50:39		47.5	47.5
47.6	12:50:42		47.6	47.6
47.6	12:50:45		47.6	47.6
47.5	12:50:48		47.5	47.5
48.5	12:50:51		48.5	48.5
54	12:50:54		54	54
48.2	12:50:57		48.2	48.2
48.6	12:51:00		48.6	48.6
49	12:51:03		49	49
49.1	12:51:06		49.1	49.1
48.8	12:51:09		48.8	48.8
48.8	12:51:12		48.8	48.8
48.7	12:51:15		48.7	48.7
50.7	12:51:18		50.7	50.7
50	12:51:21		50	50
51.2	12:51:24		51.2	51.2
51.5	12:51:27		51.5	51.5
50.4	12:51:30		50.4	50.4
50.2	12:51:33		50.2	50.2
49.4	12:51:36		49.4	49.4
48.9	12:51:39		48.9	48.9
49.5	12:51:42		49.5	49.5
49.6	12:51:45		49.6	49.6
49.7	12:51:48		49.7	49.7

Site 2 - On Tree Near Southeast Corner or Property

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
54.4	12:55:00		54.4	54.4
55.8	12:55:03		55.8	55.8
58.3	12:55:06		58.3	58.3
62.2	12:55:09		62.2	62.2
60.3	12:55:12		60.3	60.3
54.4	12:55:15		54.4	54.4
55.5	12:55:18		55.5	55.5
59.9	12:55:21		59.9	59.9
57.4	12:55:24		57.4	57.4
56.6	12:55:27		56.6	56.6
56.5	12:55:30		56.5	56.5
58	12:55:33		58	58
55.3	12:55:36		55.3	55.3
57.6	12:55:39		57.6	57.6
58.4	12:55:42		58.4	58.4
56.3	12:55:45		56.3	56.3
65	12:55:48		65	65
58.7	12:55:51		58.7	58.7
54.3	12:55:54		54.3	54.3
55.6	12:55:57		55.6	55.6
57	12:56:00		57	57
61.1	12:56:03		61.1	61.1
58	12:56:06		58	58
61.4	12:56:09		61.4	61.4
58.3	12:56:12		58.3	58.3
47.1	12:56:15		47.1	47.1
44.4	12:56:18		44.4	44.4
48.8	12:56:21		48.8	48.8
47.5	12:56:24		47.5	47.5
44.8	12:56:27		44.8	44.8
44.6	12:56:30		44.6	44.6
44.4	12:56:33		44.4	44.4
44.7	12:56:36		44.7	44.7
44.4	12:56:39		44.4	44.4
44.4	12:56:42		44.4	44.4
44.2	12:56:45		44.2	44.2
44.3	12:56:48		44.3	44.3
44	12:56:51		44	44
44.3	12:56:54		44.3	44.3
44.4	12:56:57		44.4	44.4
44.5	12:57:00		44.5	44.5
44.4	12:57:03		44.4	44.4
44.4	12:57:06		44.4	44.4
44.5	12:57:09		44.5	44.5
44.1	12:57:12		44.1	44.1
44.1	12:57:15		44.1	44.1
44.7	12:57:18		44.7	44.7
44.1	12:57:21		44.1	44.1
44.5	12:57:24		44.5	44.5
44.7	12:57:27		44.7	44.7
44.4	12:57:30		44.4	44.4
44.2	12:57:33		44.2	44.2
44.6	12:57:36		44.6	44.6
45	12:57:39		45	45
45.6	12:57:42		45.6	45.6
45.6	12:57:45		45.6	45.6
46.1	12:57:48		46.1	46.1
46.1	12:57:51		46.1	46.1
46.2	12:57:54		46.2	46.2
46	12:57:57		46	46
46.9	12:58:00		46.9	46.9
46.8	12:58:03		46.8	46.8
46.1	12:58:06		46.1	46.1
45.8	12:58:09		45.8	45.8
45.6	12:58:12		45.6	45.6
45.9	12:58:15		45.9	45.9
45.7	12:58:18		45.7	45.7
45.6	12:58:21		45.6	45.6
45.2	12:58:24		45.2	45.2
45.6	12:58:27		45.6	45.6
45.8	12:58:30		45.8	45.8
45.8	12:58:33		45.8	45.8
45.4	12:58:36		45.4	45.4
45.4	12:58:39		45.4	45.4
46.2	12:58:42		46.2	46.2
45.7	12:58:45		45.7	45.7
45.6	12:58:48		45.6	45.6

Site 1 - On Fence Near Northeast Corner of Property					Site 2 - On Tree Near Southeast Corner or Property				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
49.4	12:51:51		49.4	49.4	45.3	12:58:51		45.3	45.3
50.3	12:51:54		50.3	50.3	45.9	12:58:54		45.9	45.9
49.9	12:51:57		49.9	49.9	46.8	12:58:57		46.8	46.8
53	12:52:00		53	53	46.1	12:59:00		46.1	46.1
51.3	12:52:03		51.3	51.3	45.6	12:59:03		45.6	45.6
54.6	12:52:06		54.6	54.6	47.7	12:59:06		47.7	47.7
58.2	12:52:09		58.2	58.2	55.9	12:59:09		55.9	55.9
54.7	12:52:12		54.7	54.7	55.9	12:59:12		55.9	55.9
53.3	12:52:15		53.3	53.3	51.6	12:59:15		51.6	51.6
62.7	12:52:18		62.7	62.7	46.3	12:59:18		46.3	46.3
54	12:52:21		54	54	46.2	12:59:21		46.2	46.2
53.1	12:52:24		53.1	53.1	46.5	12:59:24		46.5	46.5
55.5	12:52:27		55.5	55.5	46.5	12:59:27		46.5	46.5
55.7	12:52:30		55.7	55.7	46.7	12:59:30		46.7	46.7
55.6	12:52:33		55.6	55.6	46.7	12:59:33		46.7	46.7
54.1	12:52:36		54.1	54.1	47	12:59:36		47	47
53.8	12:52:39		53.8	53.8	48	12:59:39		48	48
53.4	12:52:42		53.4	53.4	48.7	12:59:42		48.7	48.7
53.2	12:52:45		53.2	53.2	48.2	12:59:45		48.2	48.2
54.2	12:52:48		54.2	54.2	48.1	12:59:48		48.1	48.1
55	12:52:51		55	55	49.5	12:59:51		49.5	49.5
54.7	12:52:54		54.7	54.7	48.3	12:59:54		48.3	48.3
54.4	12:52:57		54.4	54.4	47.3	12:59:57		47.3	47.3
54.5	12:53:00		54.5	54.5	47.3	13:00:00		47.3	47.3
57.7	12:53:03		57.7	57.7	46.9	13:00:03		46.9	46.9
58.5	12:53:06		58.5	58.5	46.2	13:00:06		46.2	46.2
53.4	12:53:09		53.4	53.4	46.2	13:00:09		46.2	46.2
52.2	12:53:12		52.2	52.2	45.5	13:00:12		45.5	45.5
51.3	12:53:15		51.3	51.3	45.8	13:00:15		45.8	45.8
56	12:53:18		56	56	46.3	13:00:18		46.3	46.3
54	12:53:21		54	54	46.1	13:00:21		46.1	46.1
53.9	12:53:24		53.9	53.9	45.9	13:00:24		45.9	45.9
58.7	12:53:27		58.7	58.7	46.1	13:00:27		46.1	46.1
50.2	12:53:30		50.2	50.2	46.5	13:00:30		46.5	46.5
49.7	12:53:33		49.7	49.7	47.2	13:00:33		47.2	47.2
50.4	12:53:36		50.4	50.4	47.4	13:00:36		47.4	47.4
49.3	12:53:39		49.3	49.3	47.4	13:00:39		47.4	47.4
49.2	12:53:42		49.2	49.2	48.9	13:00:42		48.9	48.9
49.9	12:53:45		49.9	49.9	47.7	13:00:45		47.7	47.7
49.6	12:53:48		49.6	49.6	47.4	13:00:48		47.4	47.4
49.1	12:53:51		49.1	49.1	46.2	13:00:51		46.2	46.2
50.9	12:53:54		50.9	50.9	45.9	13:00:54		45.9	45.9
48.5	12:53:57		48.5	48.5	46.3	13:00:57		46.3	46.3
48.7	12:54:00		48.7	48.7	46	13:01:00		46	46
48.3	12:54:03		48.3	48.3	46	13:01:03		46	46
48.7	12:54:06		48.7	48.7	46.2	13:01:06		46.2	46.2
47.6	12:54:09		47.6	47.6	46.1	13:01:09		46.1	46.1
48.3	12:54:12		48.3	48.3	45.9	13:01:12		45.9	45.9
47.9	12:54:15		47.9	47.9	46	13:01:15		46	46
47.6	12:54:18		47.6	47.6	46.1	13:01:18		46.1	46.1
47.4	12:54:21		47.4	47.4	45.7	13:01:21		45.7	45.7
47.7	12:54:24		47.7	47.7	45.6	13:01:24		45.6	45.6
47.5	12:54:27		47.5	47.5	45.6	13:01:27		45.6	45.6
46.8	12:54:30		46.8	46.8	45.7	13:01:30		45.7	45.7
47.2	12:54:33		47.2	47.2	45.3	13:01:33		45.3	45.3
47.7	12:54:36		47.7	47.7	45	13:01:36		45	45
47.6	12:54:39		47.6	47.6	45	13:01:39		45	45
47.2	12:54:42		47.2	47.2	44.5	13:01:42		44.5	44.5
48	12:54:45		48	48	45	13:01:45		45	45
47.6	12:54:48		47.6	47.6	45.2	13:01:48		45.2	45.2
48	12:54:51		48	48	45.5	13:01:51		45.5	45.5
48.6	12:54:54		48.6	48.6	45.4	13:01:54		45.4	45.4
48.4	12:54:57		48.4	48.4	46.4	13:01:57		46.4	46.4
50.2	12:55:00		50.2	50.2	44.8	13:02:00		44.8	44.8
50.2	12:55:03		50.2	50.2	45.4	13:02:03		45.4	45.4
50.3	12:55:06		50.3	50.3	45.3	13:02:06		45.3	45.3
51	12:55:09		51	51	44.8	13:02:09		44.8	44.8
51	12:55:12		51	51	44.8	13:02:12		44.8	44.8
48.9	12:55:15		48.9	48.9	45	13:02:15		45	45
48.1	12:55:18		48.1	48.1	45.1	13:02:18		45.1	45.1
48.2	12:55:21		48.2	48.2	44.6	13:02:21		44.6	44.6
47	12:55:24		47	47	44.8	13:02:24		44.8	44.8
47.3	12:55:27		47.3	47.3	45.3	13:02:27		45.3	45.3
47.4	12:55:30		47.4	47.4	44.7	13:02:30		44.7	44.7
47.3	12:55:33		47.3	47.3	44.7	13:02:33		44.7	44.7
46.7	12:55:36		46.7	46.7	45	13:02:36		45	45
46.8	12:55:39		46.8	46.8	45.4	13:02:39		45.4	45.4
47.4	12:55:42		47.4	47.4	45	13:02:42		45	45
47.1	12:55:45		47.1	47.1	45.7	13:02:45		45.7	45.7
47	12:55:48		47	47	46.7	13:02:48		46.7	46.7
46.6	12:55:51		46.6	46.6	45.8	13:02:51		45.8	45.8
46.8	12:55:54		46.8	46.8	46.3	13:02:54		46.3	46.3
47	12:55:57		47	47	45.5	13:02:57		45.5	45.5
46.6	12:56:00		46.6	46.6	45.1	13:03:00		45.1	45.1
46.6	12:56:03		46.6	46.6	45.6	13:03:03		45.6	45.6
47.2	12:56:06		47.2	47.2	45.8	13:03:06		45.8	45.8
47.6	12:56:09		47.6	47.6	45.9	13:03:09		45.9	45.9
46.8	12:56:12		46.8	46.8	46	13:03:12		46	46

Site 1 - On Fence Near Northeast Corner of Property					Site 2 - On Tree Near Southeast Corner or Property				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
47.7	12:56:15		47.7	47.7	46.2	13:03:15		46.2	46.2
47	12:56:18		47	47	46.3	13:03:18		46.3	46.3
47.1	12:56:21		47.1	47.1	46	13:03:21		46	46
46.8	12:56:24		46.8	46.8	45.2	13:03:24		45.2	45.2
47.3	12:56:27		47.3	47.3	45	13:03:27		45	45
47.8	12:56:30		47.8	47.8	44.6	13:03:30		44.6	44.6
47.7	12:56:33		47.7	47.7	44.6	13:03:33		44.6	44.6
47.7	12:56:36		47.7	47.7	44.2	13:03:36		44.2	44.2
48.3	12:56:39		48.3	48.3	44	13:03:39		44	44
47.5	12:56:42		47.5	47.5	43.9	13:03:42		43.9	43.9
47.9	12:56:45		47.9	47.9	44.5	13:03:45		44.5	44.5
48.2	12:56:48		48.2	48.2	44.2	13:03:48		44.2	44.2
48.2	12:56:51		48.2	48.2	43.9	13:03:51		43.9	43.9
47.9	12:56:54		47.9	47.9	43.9	13:03:54		43.9	43.9
48.2	12:56:57		48.2	48.2	43.8	13:03:57		43.8	43.8
47.9	12:57:00		47.9	47.9	44.1	13:04:00		44.1	44.1
48	12:57:03		48	48	44.6	13:04:03		44.6	44.6
47.5	12:57:06		47.5	47.5	44.5	13:04:06		44.5	44.5
47.7	12:57:09		47.7	47.7	44.5	13:04:09		44.5	44.5
47.4	12:57:12		47.4	47.4	44.3	13:04:12		44.3	44.3
48	12:57:15		48	48	44	13:04:15		44	44
47.6	12:57:18		47.6	47.6	44.4	13:04:18		44.4	44.4
47.3	12:57:21		47.3	47.3	44.5	13:04:21		44.5	44.5
47.8	12:57:24		47.8	47.8	44.7	13:04:24		44.7	44.7
47.5	12:57:27		47.5	47.5	45.8	13:04:27		45.8	45.8
47.5	12:57:30		47.5	47.5	46.9	13:04:30		46.9	46.9
47.3	12:57:33		47.3	47.3	45.2	13:04:33		45.2	45.2
48.1	12:57:36		48.1	48.1	43.5	13:04:36		43.5	43.5
48.7	12:57:39		48.7	48.7	43.5	13:04:39		43.5	43.5
48.4	12:57:42		48.4	48.4	43.4	13:04:42		43.4	43.4
48.5	12:57:45		48.5	48.5	43	13:04:45		43	43
48	12:57:48		48	48	42.9	13:04:48		42.9	42.9
47.9	12:57:51		47.9	47.9	43	13:04:51		43	43
48.4	12:57:54		48.4	48.4	44.5	13:04:54		44.5	44.5
48.9	12:57:57		48.9	48.9	54.8	13:04:57		54.8	54.8
48.5	12:58:00		48.5	48.5	44.7	13:05:00		44.7	44.7
48.6	12:58:03		48.6	48.6	43.7	13:05:03		43.7	43.7
48.2	12:58:06		48.2	48.2	45.5	13:05:06		45.5	45.5
48.1	12:58:09		48.1	48.1	45.1	13:05:09		45.1	45.1
47.9	12:58:12		47.9	47.9	45.3	13:05:12		45.3	45.3
48.1	12:58:15		48.1	48.1	45.1	13:05:15		45.1	45.1
47.5	12:58:18		47.5	47.5	45.3	13:05:18		45.3	45.3
48.9	12:58:21		48.9	48.9	45.2	13:05:21		45.2	45.2
49.2	12:58:24		49.2	49.2	44.8	13:05:24		44.8	44.8
48.7	12:58:27		48.7	48.7	45	13:05:27		45	45
47.9	12:58:30		47.9	47.9	45.3	13:05:30		45.3	45.3
47.8	12:58:33		47.8	47.8	44.5	13:05:33		44.5	44.5
47.4	12:58:36		47.4	47.4	43.9	13:05:36		43.9	43.9
48.2	12:58:39		48.2	48.2	44	13:05:39		44	44
48.5	12:58:42		48.5	48.5	44	13:05:42		44	44
47.8	12:58:45		47.8	47.8	43.7	13:05:45		43.7	43.7
47.4	12:58:48		47.4	47.4	44.4	13:05:48		44.4	44.4
48	12:58:51		48	48	44.2	13:05:51		44.2	44.2
48.4	12:58:54		48.4	48.4	44.2	13:05:54		44.2	44.2
49.8	12:58:57		49.8	49.8	44.7	13:05:57		44.7	44.7
49.7	12:59:00		49.7	49.7	44.2	13:06:00		44.2	44.2
49.5	12:59:03		49.5	49.5	43	13:06:03		43	43
50.5	12:59:06		50.5	50.5	44.1	13:06:06		44.1	44.1
51.3	12:59:09		51.3	51.3	45.1	13:06:09		45.1	45.1
51.6	12:59:12		51.6	51.6	44.7	13:06:12		44.7	44.7
48.3	12:59:15		48.3	48.3	44	13:06:15		44	44
48.4	12:59:18		48.4	48.4	46.6	13:06:18		46.6	46.6
48.3	12:59:21		48.3	48.3	49.9	13:06:21		49.9	49.9
48.6	12:59:24		48.6	48.6	47.1	13:06:24		47.1	47.1
51	12:59:27		51	51	47.3	13:06:27		47.3	47.3
53.8	12:59:30		53.8	53.8	47.6	13:06:30		47.6	47.6
50.3	12:59:33		50.3	50.3	48.3	13:06:33		48.3	48.3
50.3	12:59:36		50.3	50.3	46.5	13:06:36		46.5	46.5
63.9	12:59:39		63.9	63.9	44.6	13:06:39		44.6	44.6
61.4	12:59:42		61.4	61.4	43.7	13:06:42		43.7	43.7
48.9	12:59:45		48.9	48.9	45.3	13:06:45		45.3	45.3
49.9	12:59:48		49.9	49.9	47.8	13:06:48		47.8	47.8
50.8	12:59:51		50.8	50.8	49.2	13:06:51		49.2	49.2
48.6	12:59:54		48.6	48.6	45.4	13:06:54		45.4	45.4
47.8	12:59:57		47.8	47.8	46.2	13:06:57		46.2	46.2
48.3	13:00:00		48.3	48.3	45.7	13:07:00		45.7	45.7
49.3	13:00:03		49.3	49.3	44.1	13:07:03		44.1	44.1
53	13:00:06		53	53	45.4	13:07:06		45.4	45.4
55.5	13:00:09		55.5	55.5	44.5	13:07:09		44.5	44.5
54.5	13:00:12		54.5	54.5	45.9	13:07:12		45.9	45.9
51.2	13:00:15		51.2	51.2	45.6	13:07:15		45.6	45.6
50.3	13:00:18		50.3	50.3	44.6	13:07:18		44.6	44.6
48.9	13:00:21		48.9	48.9	44.5	13:07:21		44.5	44.5
49.5	13:00:24		49.5	49.5	45.2	13:07:24		45.2	45.2
49.3	13:00:27		49.3	49.3	44.7	13:07:27		44.7	44.7
50.4	13:00:30		50.4	50.4	44.7	13:07:30		44.7	44.7
55	13:00:33		55	55	45.7	13:07:33		45.7	45.7
49	13:00:36		49	49	44.3	13:07:36		44.3	44.3

Site 1 - On Fence Near Northeast Corner of Property					Site 2 - On Tree Near Southeast Corner or Property				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
50.6	13:00:39		50.6	50.6	43.9	13:07:39		43.9	43.9
51.9	13:00:42		51.9	51.9	43.9	13:07:42		43.9	43.9
50.6	13:00:45		50.6	50.6	42.8	13:07:45		42.8	42.8
55	13:00:48		55	55	43	13:07:48		43	43
56.1	13:00:51		56.1	56.1	43.3	13:07:51		43.3	43.3
51.2	13:00:54		51.2	51.2	42.7	13:07:54		42.7	42.7
49.2	13:00:57		49.2	49.2	42.3	13:07:57		42.3	42.3
50	13:01:00		50	50	43.2	13:08:00		43.2	43.2
49.4	13:01:03		49.4	49.4	43.5	13:08:03		43.5	43.5
49.5	13:01:06		49.5	49.5	44.9	13:08:06		44.9	44.9
51.1	13:01:09		51.1	51.1	45	13:08:09		45	45
50.1	13:01:12		50.1	50.1	44.8	13:08:12		44.8	44.8
49	13:01:15		49	49	45.4	13:08:15		45.4	45.4
52.1	13:01:18		52.1	52.1	47.1	13:08:18		47.1	47.1
48.8	13:01:21		48.8	48.8	46.6	13:08:21		46.6	46.6
49	13:01:24		49	49	45	13:08:24		45	45
49	13:01:27		49	49	44.8	13:08:27		44.8	44.8
50.2	13:01:30		50.2	50.2	45.1	13:08:30		45.1	45.1
48.9	13:01:33		48.9	48.9	45.1	13:08:33		45.1	45.1
49.7	13:01:36		49.7	49.7	45.1	13:08:36		45.1	45.1
49.1	13:01:39		49.1	49.1	45.3	13:08:39		45.3	45.3
48.5	13:01:42		48.5	48.5	44.8	13:08:42		44.8	44.8
48.8	13:01:45		48.8	48.8	46.5	13:08:45		46.5	46.5
48.4	13:01:48		48.4	48.4	46	13:08:48		46	46
48.3	13:01:51		48.3	48.3	43.7	13:08:51		43.7	43.7
48.7	13:01:54		48.7	48.7	47.9	13:08:54		47.9	47.9
48.5	13:01:57		48.5	48.5	43.7	13:08:57		43.7	43.7
48.9	13:02:00		48.9	48.9	43.9	13:09:00		43.9	43.9
52.3	13:02:03		52.3	52.3	43.6	13:09:03		43.6	43.6
48.8	13:02:06		48.8	48.8	43.7	13:09:06		43.7	43.7
48.4	13:02:09		48.4	48.4	45	13:09:09		45	45
48.5	13:02:12		48.5	48.5	44.3	13:09:12		44.3	44.3
47.9	13:02:15		47.9	47.9	44.5	13:09:15		44.5	44.5
47.7	13:02:18		47.7	47.7	44	13:09:18		44	44
47.1	13:02:21		47.1	47.1	44.5	13:09:21		44.5	44.5
52.4	13:02:24		52.4	52.4	44.4	13:09:24		44.4	44.4
47.2	13:02:27		47.2	47.2	43.7	13:09:27		43.7	43.7
46.9	13:02:30		46.9	46.9	43.6	13:09:30		43.6	43.6
47.3	13:02:33		47.3	47.3	44.2	13:09:33		44.2	44.2
47.2	13:02:36		47.2	47.2	44	13:09:36		44	44
47.1	13:02:39		47.1	47.1	43	13:09:39		43	43
46.9	13:02:42		46.9	46.9	42.9	13:09:42		42.9	42.9
48.2	13:02:45		48.2	48.2	42.4	13:09:45		42.4	42.4
46.9	13:02:48		46.9	46.9	43.3	13:09:48		43.3	43.3
47.3	13:02:51		47.3	47.3	43.2	13:09:51		43.2	43.2
47.2	13:02:54		47.2	47.2	42.1	13:09:54		42.1	42.1
47.2	13:02:57		47.2	47.2	42.8	13:09:57		42.8	42.8
47.6	13:03:00		47.6	47.6	42.8	13:10:00		42.8	42.8
47.7	13:03:03		47.7	47.7	43.2	13:10:03		43.2	43.2
47.8	13:03:06		47.8	47.8	43.7	13:10:06		43.7	43.7
47.7	13:03:09		47.7	47.7	42.9	13:10:09		42.9	42.9
48.5	13:03:12		48.5	48.5	43.1	13:10:12		43.1	43.1
52.4	13:03:15		52.4	52.4	42.8	13:10:15		42.8	42.8
51.6	13:03:18		51.6	51.6	42.3	13:10:18		42.3	42.3
50.1	13:03:21		50.1	50.1	42.1	13:10:21		42.1	42.1
48.4	13:03:24		48.4	48.4	42.9	13:10:24		42.9	42.9
48	13:03:27		48	48	43.1	13:10:27		43.1	43.1
48.4	13:03:30		48.4	48.4	43.5	13:10:30		43.5	43.5
48.1	13:03:33		48.1	48.1	43.3	13:10:33		43.3	43.3
48.8	13:03:36		48.8	48.8	43.2	13:10:36		43.2	43.2
48.5	13:03:39		48.5	48.5	43.3	13:10:39		43.3	43.3
54.7	13:03:42		54.7	54.7	43.2	13:10:42		43.2	43.2
54.3	13:03:45		54.3	54.3	42.9	13:10:45		42.9	42.9
49	13:03:48		49	49	43.2	13:10:48		43.2	43.2
49.4	13:03:51		49.4	49.4	42.4	13:10:51		42.4	42.4
49.3	13:03:54		49.3	49.3	42.3	13:10:54		42.3	42.3
50.6	13:03:57		50.6	50.6	42.2	13:10:57		42.2	42.2
53.1	13:04:00		53.1	53.1	42.5	13:11:00		42.5	42.5
51.7	13:04:03		51.7	51.7	42.5	13:11:03		42.5	42.5
48.6	13:04:06		48.6	48.6	43	13:11:06		43	43
48.5	13:04:09		48.5	48.5	43.3	13:11:09		43.3	43.3
47.7	13:04:12		47.7	47.7	42.9	13:11:12		42.9	42.9
48.3	13:04:15		48.3	48.3	43.5	13:11:15		43.5	43.5
47.4	13:04:18		47.4	47.4	42.9	13:11:18		42.9	42.9
48.3	13:04:21		48.3	48.3	43.3	13:11:21		43.3	43.3
47.7	13:04:24		47.7	47.7	44.6	13:11:24		44.6	44.6
48.3	13:04:27		48.3	48.3	44.3	13:11:27		44.3	44.3
48.3	13:04:30		48.3	48.3	48.2	13:11:30		48.2	48.2
53.1	13:04:33		53.1	53.1	44.7	13:11:33		44.7	44.7
49.8	13:04:36		49.8	49.8	47.5	13:11:36		47.5	47.5
47.5	13:04:39		47.5	47.5	48.2	13:11:39		48.2	48.2
46.1	13:04:42		46.1	46.1	45.7	13:11:42		45.7	45.7
45.5	13:04:45		45.5	45.5	47.7	13:11:45		47.7	47.7
45.8	13:04:48		45.8	45.8	46.3	13:11:48		46.3	46.3
48.3	13:04:51		48.3	48.3	52.2	13:11:51		52.2	52.2
46.9	13:04:54		46.9	46.9	49.4	13:11:54		49.4	49.4
46.4	13:04:57		46.4	46.4	49.5	13:11:57		49.5	49.5
46.8	13:05:00		46.8	46.8	56.3	13:12:00		56.3	56.3

Site 1 - On Fence Near Northeast Corner of Property					Site 2 - On Tree Near Southeast Corner or Property				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
46.4	13:05:03		46.4	46.4	55.1	13:12:03		55.1	55.1
48.1	13:05:06		48.1	48.1	52.8	13:12:06		52.8	52.8
46.9	13:05:09		46.9	46.9	49.6	13:12:09		49.6	49.6
46.3	13:05:12		46.3	46.3	56	13:12:12		56	56
46.8	13:05:15		46.8	46.8	60.9	13:12:15		60.9	60.9
47.3	13:05:18		47.3	47.3	56.7	13:12:18		56.7	56.7
50.7	13:05:21		50.7	50.7	52.9	13:12:21		52.9	52.9
56.8	13:05:24		56.8	56.8	52.5	13:12:24		52.5	52.5
57.4	13:05:27		57.4	57.4	53	13:12:27		53	53
52.7	13:05:30		52.7	52.7	50.7	13:12:30		50.7	50.7
48.7	13:05:33		48.7	48.7	47.7	13:12:33		47.7	47.7
46.9	13:05:36		46.9	46.9	48.4	13:12:36		48.4	48.4
48.4	13:05:39		48.4	48.4	47.2	13:12:39		47.2	47.2
47.6	13:05:42		47.6	47.6	45	13:12:42		45	45
47.7	13:05:45		47.7	47.7	46.2	13:12:45		46.2	46.2
47.4	13:05:48		47.4	47.4	45	13:12:48		45	45
47.3	13:05:51		47.3	47.3	44.8	13:12:51		44.8	44.8
47.6	13:05:54		47.6	47.6	44.9	13:12:54		44.9	44.9
47.2	13:05:57		47.2	47.2	44.2	13:12:57		44.2	44.2
47.4	13:06:00		47.4	47.4	44.6	13:13:00		44.6	44.6
49.5	13:06:03		49.5	49.5	44.5	13:13:03		44.5	44.5
48.7	13:06:06		48.7	48.7	45	13:13:06		45	45
47.8	13:06:09		47.8	47.8	44	13:13:09		44	44
48	13:06:12		48	48	44	13:13:12		44	44
47.5	13:06:15		47.5	47.5	44.9	13:13:15		44.9	44.9
48.2	13:06:18		48.2	48.2	43.6	13:13:18		43.6	43.6
46.4	13:06:21		46.4	46.4	43.8	13:13:21		43.8	43.8
46.1	13:06:24		46.1	46.1	43.7	13:13:24		43.7	43.7
48.8	13:06:27		48.8	48.8	44.5	13:13:27		44.5	44.5
47.6	13:06:30		47.6	47.6	45.2	13:13:30		45.2	45.2
45.9	13:06:33		45.9	45.9	46.2	13:13:33		46.2	46.2
46.5	13:06:36		46.5	46.5	47.2	13:13:36		47.2	47.2
51	13:06:39		51	51	44.1	13:13:39		44.1	44.1
46.5	13:06:42		46.5	46.5	45.1	13:13:42		45.1	45.1
47.4	13:06:45		47.4	47.4	44.3	13:13:45		44.3	44.3
45.7	13:06:48		45.7	45.7	44.1	13:13:48		44.1	44.1
45.4	13:06:51		45.4	45.4	43.5	13:13:51		43.5	43.5
45.7	13:06:54		45.7	45.7	46.9	13:13:54		46.9	46.9
48.5	13:06:57		48.5	48.5	46.4	13:13:57		46.4	46.4
45.6	13:07:00		45.6	45.6	44.5	13:14:00		44.5	44.5
44.6	13:07:03		44.6	44.6	44.7	13:14:03		44.7	44.7
44.6	13:07:06		44.6	44.6	44.8	13:14:06		44.8	44.8
44.8	13:07:09		44.8	44.8	45.3	13:14:09		45.3	45.3
44.7	13:07:12		44.7	44.7	43	13:14:12		43	43
44.5	13:07:15		44.5	44.5	42.6	13:14:15		42.6	42.6
44.3	13:07:18		44.3	44.3	43.4	13:14:18		43.4	43.4
44.3	13:07:21		44.3	44.3	43.4	13:14:21		43.4	43.4
44.2	13:07:24		44.2	44.2	43.6	13:14:24		43.6	43.6
44.5	13:07:27		44.5	44.5	44.3	13:14:27		44.3	44.3
44.9	13:07:30		44.9	44.9	44.2	13:14:30		44.2	44.2
45.3	13:07:33		45.3	45.3	45	13:14:33		45	45
45.5	13:07:36		45.5	45.5	43.1	13:14:36		43.1	43.1
44.9	13:07:39		44.9	44.9	43.4	13:14:39		43.4	43.4
44.9	13:07:42		44.9	44.9	44.3	13:14:42		44.3	44.3
46	13:07:45		46	46	44.4	13:14:45		44.4	44.4
46	13:07:48		46	46	44.1	13:14:48		44.1	44.1
47.1	13:07:51		47.1	47.1	43.3	13:14:51		43.3	43.3
46.2	13:07:54		46.2	46.2	43.8	13:14:54		43.8	43.8
45.3	13:07:57		45.3	45.3	44.5	13:14:57		44.5	44.5
45	13:08:00		45	45	46.2	13:15:00		46.2	46.2
47.5	13:08:03		47.5	47.5	47.6	13:15:03		47.6	47.6
46	13:08:06		46	46	47.5	13:15:06		47.5	47.5
45.7	13:08:09		45.7	45.7	46.8	13:15:09		46.8	46.8
46.2	13:08:12		46.2	46.2	44.8	13:15:12		44.8	44.8
46.5	13:08:15		46.5	46.5	45.7	13:15:15		45.7	45.7
47.3	13:08:18		47.3	47.3	47.5	13:15:18		47.5	47.5
45.7	13:08:21		45.7	45.7	50.2	13:15:21		50.2	50.2
45.3	13:08:24		45.3	45.3	50	13:15:24		50	50
46	13:08:27		46	46	53.3	13:15:27		53.3	53.3
45.8	13:08:30		45.8	45.8	53	13:15:30		53	53
46.4	13:08:33		46.4	46.4	54.6	13:15:33		54.6	54.6
48	13:08:36		48	48	51.1	13:15:36		51.1	51.1
48.1	13:08:39		48.1	48.1	46.9	13:15:39		46.9	46.9
47.3	13:08:42		47.3	47.3	47.2	13:15:42		47.2	47.2
46.6	13:08:45		46.6	46.6	48.8	13:15:45		48.8	48.8
47.5	13:08:48		47.5	47.5	48.2	13:15:48		48.2	48.2
48.2	13:08:51		48.2	48.2	46.3	13:15:51		46.3	46.3
45.7	13:08:54		45.7	45.7	45.7	13:15:54		45.7	45.7
45.7	13:08:57		45.7	45.7	45.2	13:15:57		45.2	45.2
45.7	13:09:00		45.7	45.7	44.5	13:16:00		44.5	44.5
45	13:09:03		45	45	45.4	13:16:03		45.4	45.4
45.2	13:09:06		45.2	45.2	44.7	13:16:06		44.7	44.7
44.5	13:09:09		44.5	44.5	45	13:16:09		45	45
44.9	13:09:12		44.9	44.9	46.5	13:16:12		46.5	46.5
45.7	13:09:15		45.7	45.7	46.6	13:16:15		46.6	46.6
45.6	13:09:18		45.6	45.6	46.6	13:16:18		46.6	46.6
48	13:09:21		48	48	45.1	13:16:21		45.1	45.1
47.8	13:09:24		47.8	47.8	46.7	13:16:24		46.7	46.7

Site 1 - On Fence Near Northeast Corner of Property					Site 2 - On Tree Near Southeast Corner or Property				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
45.7	13:09:27		45.7	45.7	44.9	13:16:27		44.9	44.9
45.8	13:09:30		45.8	45.8	44.7	13:16:30		44.7	44.7
45.5	13:09:33		45.5	45.5	43.6	13:16:33		43.6	43.6
44.1	13:09:36		44.1	44.1	43.7	13:16:36		43.7	43.7
45.1	13:09:39		45.1	45.1	46.5	13:16:39		46.5	46.5
45.2	13:09:42		45.2	45.2	47.2	13:16:42		47.2	47.2
44.7	13:09:45		44.7	44.7	48.8	13:16:45		48.8	48.8
44.5	13:09:48		44.5	44.5	48.9	13:16:48		48.9	48.9
45.7	13:09:51		45.7	45.7	48.4	13:16:51		48.4	48.4
46	13:09:54		46	46	49	13:16:54		49	49
44.8	13:09:57		44.8	44.8	47.8	13:16:57		47.8	47.8
44.2	13:10:00		44.2	44.2	45.3	13:17:00		45.3	45.3
44.1	13:10:03		44.1	44.1	43.7	13:17:03		43.7	43.7
43.4	13:10:06		43.4	43.4	44.4	13:17:06		44.4	44.4
43.5	13:10:09		43.5	43.5	44.6	13:17:09		44.6	44.6
43.4	13:10:12		43.4	43.4	43	13:17:12		43	43
44.9	13:10:15		44.9	44.9	42.5	13:17:15		42.5	42.5
43.5	13:10:18		43.5	43.5	42.3	13:17:18		42.3	42.3
44	13:10:21		44	44	42.5	13:17:21		42.5	42.5
44.7	13:10:24		44.7	44.7	42.5	13:17:24		42.5	42.5
45.4	13:10:27		45.4	45.4	43.8	13:17:27		43.8	43.8
44.9	13:10:30		44.9	44.9	43.2	13:17:30		43.2	43.2
44.4	13:10:33		44.4	44.4	42.6	13:17:33		42.6	42.6
45.3	13:10:36		45.3	45.3	42.8	13:17:36		42.8	42.8
45.4	13:10:39		45.4	45.4	43.4	13:17:39		43.4	43.4
45.1	13:10:42		45.1	45.1	42.1	13:17:42		42.1	42.1
45.4	13:10:45		45.4	45.4	42.7	13:17:45		42.7	42.7
45.3	13:10:48		45.3	45.3	42.5	13:17:48		42.5	42.5
45.5	13:10:51		45.5	45.5	42.4	13:17:51		42.4	42.4
45.4	13:10:54		45.4	45.4	42.4	13:17:54		42.4	42.4
45.7	13:10:57		45.7	45.7	42.5	13:17:57		42.5	42.5
45.5	13:11:00		45.5	45.5	43.5	13:18:00		43.5	43.5
46	13:11:03		46	46	43.2	13:18:03		43.2	43.2
46.6	13:11:06		46.6	46.6	42.7	13:18:06		42.7	42.7
46.3	13:11:09		46.3	46.3	43	13:18:09		43	43
46.3	13:11:12		46.3	46.3	42.4	13:18:12		42.4	42.4
46.1	13:11:15		46.1	46.1	43.3	13:18:15		43.3	43.3
48	13:11:18		48	48	43.2	13:18:18		43.2	43.2
49.3	13:11:21		49.3	49.3	42.2	13:18:21		42.2	42.2
47.4	13:11:24		47.4	47.4	42.3	13:18:24		42.3	42.3
46.4	13:11:27		46.4	46.4	43.7	13:18:27		43.7	43.7
47	13:11:30		47	47	42.9	13:18:30		42.9	42.9
46.9	13:11:33		46.9	46.9	42.6	13:18:33		42.6	42.6
47	13:11:36		47	47	42.7	13:18:36		42.7	42.7
51.8	13:11:39		51.8	51.8	43.2	13:18:39		43.2	43.2
54.3	13:11:42		54.3	54.3	43.8	13:18:42		43.8	43.8
53.6	13:11:45		53.6	53.6	42.2	13:18:45		42.2	42.2
59.2	13:11:48		59.2	59.2	42.4	13:18:48		42.4	42.4
54.6	13:11:51		54.6	54.6	42.6	13:18:51		42.6	42.6
60	13:11:54		60	60	43.4	13:18:54		43.4	43.4
55.2	13:11:57		55.2	55.2	42.1	13:18:57		42.1	42.1
52.9	13:12:00		52.9	52.9	42.3	13:19:00		42.3	42.3
53.7	13:12:03		53.7	53.7	42	13:19:03		42	42
55	13:12:06		55	55	41.8	13:19:06		41.8	41.8
50.7	13:12:09		50.7	50.7	42.1	13:19:09		42.1	42.1
52.9	13:12:12		52.9	52.9	42.3	13:19:12		42.3	42.3
52.3	13:12:15		52.3	52.3	42.7	13:19:15		42.7	42.7
52.8	13:12:18		52.8	52.8	42.4	13:19:18		42.4	42.4
52	13:12:21		52	52	41.7	13:19:21		41.7	41.7
51	13:12:24		51	51	41.8	13:19:24		41.8	41.8
48.7	13:12:27		48.7	48.7	41.9	13:19:27		41.9	41.9
49.9	13:12:30		49.9	49.9	42.1	13:19:30		42.1	42.1
49.2	13:12:33		49.2	49.2	41.6	13:19:33		41.6	41.6
48	13:12:36		48	48	41.6	13:19:36		41.6	41.6
47.8	13:12:39		47.8	47.8	41.6	13:19:39		41.6	41.6
47.4	13:12:42		47.4	47.4	41.5	13:19:42		41.5	41.5
48.3	13:12:45		48.3	48.3	41.6	13:19:45		41.6	41.6
47.8	13:12:48		47.8	47.8	41.4	13:19:48		41.4	41.4
47.5	13:12:51		47.5	47.5	41.2	13:19:51		41.2	41.2
47.2	13:12:54		47.2	47.2	42.6	13:19:54		42.6	42.6
48.5	13:12:57		48.5	48.5	44	13:19:57		44	44
51.6	13:13:00		51.6	51.6	42.9	13:20:00		42.9	42.9
54.6	13:13:03		54.6	54.6	42.1	13:20:03		42.1	42.1
49.4	13:13:06		49.4	49.4	42.1	13:20:06		42.1	42.1
50.2	13:13:09		50.2	50.2	42	13:20:09		42	42
47.5	13:13:12		47.5	47.5	42	13:20:12		42	42
48.1	13:13:15		48.1	48.1	41.8	13:20:15		41.8	41.8
49.3	13:13:18		49.3	49.3	42.4	13:20:18		42.4	42.4
48.1	13:13:21		48.1	48.1	42.8	13:20:21		42.8	42.8
47	13:13:24		47	47	42.5	13:20:24		42.5	42.5
47	13:13:27		47	47	43.3	13:20:27		43.3	43.3
46.5	13:13:30		46.5	46.5	43.3	13:20:30		43.3	43.3
46.8	13:13:33		46.8	46.8	43.7	13:20:33		43.7	43.7
46.3	13:13:36		46.3	46.3	45.6	13:20:36		45.6	45.6
46.4	13:13:39		46.4	46.4	45	13:20:39		45	45
46.2	13:13:42		46.2	46.2	42.8	13:20:42		42.8	42.8
47.1	13:13:45		47.1	47.1	42.9	13:20:45		42.9	42.9
46.2	13:13:48		46.2	46.2	42.8	13:20:48		42.8	42.8
46.9	13:13:51		46.9	46.9	43.5	13:20:51		43.5	43.5
46.9	13:13:54		46.9	46.9	43.1	13:20:54		43.1	43.1
47.3	13:13:57		47.3	47.3	43.4	13:20:57		43.4	43.4
46.5	13:14:00		46.5	46.5	43.7	13:21:00		43.7	43.7
48.8	13:14:03		48.8	48.8	42.5	13:21:03		42.5	42.5
47.7	13:14:06		47.7	47.7	42.9	13:21:06		42.9	42.9
49	13:14:09		49	49	43.2	13:21:09		43.2	43.2

Site 1 - On Fence Near Northeast Corner of Property					Site 2 - On Tree Near Southeast Corner or Property				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
48.7	13:14:12		48.7	48.7	43	13:21:12		43	43
46.9	13:14:15		46.9	46.9	43.3	13:21:15		43.3	43.3
46.1	13:14:18		46.1	46.1	44.7	13:21:18		44.7	44.7
45.6	13:14:21		45.6	45.6	45	13:21:21		45	45
45.7	13:14:24		45.7	45.7	44.6	13:21:24		44.6	44.6
46.4	13:14:27		46.4	46.4	44.5	13:21:27		44.5	44.5
47.2	13:14:30		47.2	47.2	43.4	13:21:30		43.4	43.4
46.4	13:14:33		46.4	46.4	43.6	13:21:33		43.6	43.6
47.3	13:14:36		47.3	47.3	43.1	13:21:36		43.1	43.1
47	13:14:39		47	47	42.8	13:21:39		42.8	42.8
47.2	13:14:42		47.2	47.2	43.6	13:21:42		43.6	43.6
47.7	13:14:45		47.7	47.7	42.5	13:21:45		42.5	42.5
49.9	13:14:48		49.9	49.9	42.3	13:21:48		42.3	42.3
48.8	13:14:51		48.8	48.8	41.8	13:21:51		41.8	41.8
46.5	13:14:54		46.5	46.5	41.7	13:21:54		41.7	41.7
47.3	13:14:57		47.3	47.3	41.9	13:21:57		41.9	41.9
46.5	13:15:00		46.5	46.5	42.5	13:22:00		42.5	42.5
45.7	13:15:03		45.7	45.7	42	13:22:03		42	42
45.7	13:15:06		45.7	45.7	42.2	13:22:06		42.2	42.2
45.6	13:15:09		45.6	45.6	41.8	13:22:09		41.8	41.8
46.3	13:15:12		46.3	46.3	42.2	13:22:12		42.2	42.2
46.2	13:15:15		46.2	46.2	42.2	13:22:15		42.2	42.2
46.4	13:15:18		46.4	46.4	42.6	13:22:18		42.6	42.6
48.7	13:15:21		48.7	48.7	42.8	13:22:21		42.8	42.8
52.3	13:15:24		52.3	52.3	42.9	13:22:24		42.9	42.9
51.1	13:15:27		51.1	51.1	43.1	13:22:27		43.1	43.1
47.2	13:15:30		47.2	47.2	43.7	13:22:30		43.7	43.7
46	13:15:33		46	46	43.1	13:22:33		43.1	43.1
45.8	13:15:36		45.8	45.8	42.9	13:22:36		42.9	42.9
47.2	13:15:39		47.2	47.2	43.1	13:22:39		43.1	43.1
47.6	13:15:42		47.6	47.6	43	13:22:42		43	43
47.3	13:15:45		47.3	47.3	43.5	13:22:45		43.5	43.5
48.5	13:15:48		48.5	48.5	44.3	13:22:48		44.3	44.3
51.8	13:15:51		51.8	51.8	43.3	13:22:51		43.3	43.3
49	13:15:54		49	49	43.4	13:22:54		43.4	43.4
54	13:15:57		54	54	43.6	13:22:57		43.6	43.6
57.1	13:16:00		57.1	57.1	43.5	13:23:00		43.5	43.5
55.1	13:16:03		55.1	55.1	44.3	13:23:03		44.3	44.3
48.8	13:16:06		48.8	48.8	43.3	13:23:06		43.3	43.3
48.2	13:16:09		48.2	48.2	42.9	13:23:09		42.9	42.9
46.8	13:16:12		46.8	46.8	42.9	13:23:12		42.9	42.9
46.2	13:16:15		46.2	46.2	42.4	13:23:15		42.4	42.4
46.2	13:16:18		46.2	46.2	42.7	13:23:18		42.7	42.7
45.6	13:16:21		45.6	45.6	42.8	13:23:21		42.8	42.8
45.3	13:16:24		45.3	45.3	42.9	13:23:24		42.9	42.9
46.1	13:16:27		46.1	46.1	42.8	13:23:27		42.8	42.8
45.8	13:16:30		45.8	45.8	43.1	13:23:30		43.1	43.1
46	13:16:33		46	46	44.8	13:23:33		44.8	44.8
45.6	13:16:36		45.6	45.6	43.4	13:23:36		43.4	43.4
46.1	13:16:39		46.1	46.1	43.2	13:23:39		43.2	43.2
45.8	13:16:42		45.8	45.8	43.3	13:23:42		43.3	43.3
47.7	13:16:45		47.7	47.7	42.8	13:23:45		42.8	42.8
48.9	13:16:48		48.9	48.9	44.2	13:23:48		44.2	44.2
49	13:16:51		49	49	43.7	13:23:51		43.7	43.7
47.8	13:16:54		47.8	47.8	43.7	13:23:54		43.7	43.7
47.7	13:16:57		47.7	47.7	43	13:23:57		43	43
48.2	13:17:00		48.2	48.2	43.5	13:24:00		43.5	43.5
47.2	13:17:03		47.2	47.2	44.3	13:24:03		44.3	44.3
46.3	13:17:06		46.3	46.3	44.1	13:24:06		44.1	44.1
47.6	13:17:09		47.6	47.6	44.2	13:24:09		44.2	44.2
46.9	13:17:12		46.9	46.9	44.3	13:24:12		44.3	44.3
46	13:17:15		46	46	44	13:24:15		44	44
45.7	13:17:18		45.7	45.7	44.7	13:24:18		44.7	44.7
45.8	13:17:21		45.8	45.8	44.6	13:24:21		44.6	44.6
46	13:17:24		46	46	45	13:24:24		45	45
46.3	13:17:27		46.3	46.3	45.7	13:24:27		45.7	45.7
46.1	13:17:30		46.1	46.1	45.1	13:24:30		45.1	45.1
46.2	13:17:33		46.2	46.2	44.6	13:24:33		44.6	44.6
46.4	13:17:36		46.4	46.4	45.5	13:24:36		45.5	45.5
46.4	13:17:39		46.4	46.4	45.4	13:24:39		45.4	45.4
47.4	13:17:42		47.4	47.4	45.4	13:24:42		45.4	45.4
47	13:17:45		47	47	44.6	13:24:45		44.6	44.6
47.2	13:17:48		47.2	47.2	45.1	13:24:48		45.1	45.1
47.4	13:17:51		47.4	47.4	44.8	13:24:51		44.8	44.8
49.1	13:17:54		49.1	49.1	44.7	13:24:54		44.7	44.7
48	13:17:57		48	48	44.8	13:24:57		44.8	44.8
49.7	13:18:00	51.3	49.7	49.7	45.2	13:25:00	48.5	45.2	45.2
54.1	13:18:03	51.3	54.1	54.1	45.4	13:25:03	48.4	45.4	45.4
62.6	13:18:06	51.3	62.6	62.6	45.1	13:25:06	48.5	45.1	45.1
52.3	13:18:09	51.3	52.3	52.3	45.4	13:25:09	48.5	45.4	45.4
49.4	13:18:12	51.3	49.4	49.4	45.5	13:25:12	48.4	45.5	45.5
49.2	13:18:15	51.3	49.2	49.2	45.8	13:25:15	48.4	45.8	45.8
45.8	13:18:18	51.3	45.8	45.8	45.3	13:25:18	48.4	45.3	45.3
45.3	13:18:21	51.3	45.3	45.3	44.9	13:25:21	48.4	44.9	44.9
45.5	13:18:24	51.3	45.5	45.5	44.5	13:25:24	48.6	44.5	44.5
46.1	13:18:27	51.3	46.1	46.1	45.2	13:25:27	48.7	45.2	45.2
46.8	13:18:30	51.3	46.8	46.8	45.3	13:25:30	48.8	45.3	45.3
46.1	13:18:33	51.3	46.1	46.1	44.7	13:25:33	48.8	44.7	44.7
45.8	13:18:36	51.3	45.8	45.8	44	13:25:36	48.8	44	44
44.9	13:18:39	51.1	44.9	44.9	44	13:25:39	48.7	44	44
44.9	13:18:42	51.1	44.9	44.9	44.3	13:25:42	48.7	44.3	44.3
44.2	13:18:45	51.0	44.2	44.2	44.6	13:25:45	48.7	44.6	44.6
44.5	13:18:48	51.0	44.5	44.5	44.5	13:25:48	48.7	44.5	44.5
45.4	13:18:51	51.0	45.4	45.4	44.6	13:25:51	48.5	44.6	44.6
46.1	13:18:54	50.8	46.1	46.1	44.1	13:25:54	48.5	44.1	44.1
45.7	13:18:57	50.8	45.7	45.7	44.8	13:25:57	48.5	44.8	44.8
44.8	13:19:00	50.7	44.8	44.8	44.3	13:26:00	48.5	44.3	44.3
45.4	13:19:03	50.7	45.4	45.4	44.2	13:26:03	48.4	44.2	44.2
45.5	13:19:06	50.6	45.5	45.5	44.9	13:26:06	48.4	44.9	44.9
46.5	13:19:09	50.6	46.5	46.5	45.5	13:26:09	48.3	45.5	45.5
47.4	13:19:12	50.5	47.4	47.4	44.4	13:26:12	48.3	44.4	44.4
55.8	13:19:15	50.4	55.8	55.8	44.7	13:26:15	48.2	44.7	44.7
50.9	13:19:18	50.4	50.9	50.9	44.6	13:26:18	48.2	44.6	44.6
46.7	13:19:21	50.5	46.7	46.7	44.3	13:26:21	48.2	44.3	44.3
44.9	13:19:24	50.5	44.9	44.9	44.2	13:26:24	48.2	44.2	44.2

APPENDIX C

RCNM Model Construction Noise Calculation Printouts

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 2/22/2021
Case Description: Beaumont Battery Energy Storage - Grading with Project Design Feature 1

				---- Receptor #1 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to East	Residential	52.5	52.5	52.5

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dump Truck	No	40		76.5	120	0
Grader	No	40	85		170	0
Excavator	No	40		80.7	220	0
Gradall	No	40		83.4	270	0
Generator	No	50		80.6	320	5
Roller	No	20		80	370	0
Dozer	No	40		81.7	420	0
Impact Pile Driver	Yes	20		101.3	470	5

		Calculated (dBA)		Results			
				Noise Limits (dBA)			
				Day		Evening	
Equipment		***Lmax**	**Leq**	Lmax	Leq	Lmax	Leq
Dump Truck		68.8	64.9	N/A	N/A	N/A	N/A
Grader		74.4	70.4	N/A	N/A	N/A	N/A
Excavator		67.8	63.9	N/A	N/A	N/A	N/A
Gradall		68.8	64.8	N/A	N/A	N/A	N/A
Generator		59.5	56.5	N/A	N/A	N/A	N/A
Roller		62.6	55.6	N/A	N/A	N/A	N/A
Dozer		63.2	59.2	N/A	N/A	N/A	N/A
Impact Pile Driver		76.8	69.8	N/A	N/A	N/A	N/A
	Total	**76.8**	**74.9**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 2/22/2021
Case Description: Beaumont Battery Energy Storage - Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to East	Residential	52.5	52.5	52.5

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compactor (ground)	No	20		83.2	120	0
Grader	No	40	85		170	0
Roller	No	20		80	220	0
Dozer	No	40		81.7	270	0
Scraper	No	40		83.6	320	0
Tractor	No	40	84		370	0

Equipment		Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Day Leq	Evening Lmax	Evening Leq
Compactor (ground)		75.6	68.6	N/A	N/A	N/A	N/A
Grader		74.4	70.4	N/A	N/A	N/A	N/A
Roller		67.1	60.1	N/A	N/A	N/A	N/A
Dozer		67.0	63.0	N/A	N/A	N/A	N/A
Scraper		67.5	63.5	N/A	N/A	N/A	N/A
Tractor		66.6	62.6	N/A	N/A	N/A	N/A
	Total	**75.6**	**74.0**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 2/22/2021
Case Description: Beaumont Battery Energy Storage - Building Construction

				---- Receptor #1 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to East	Residential	52.5	52.5	52.5

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	120	0
Crane	No	16		80.6	170	0
Gradall	No	40		83.4	220	0
Gradall	No	40		83.4	270	0
Tractor	No	40	84		320	0

		Calculated (dBA)		Results Noise Limits (dBA)			
				Day		Evening	
Equipment		***Lmax**	**Leq**	Lmax	Leq	Lmax	Leq
Flat Bed Truck		66.6	62.7	N/A	N/A	N/A	N/A
Crane		69.9	62.0	N/A	N/A	N/A	N/A
Gradall		70.5	66.6	N/A	N/A	N/A	N/A
Gradall		68.8	64.8	N/A	N/A	N/A	N/A
Tractor		67.9	63.9	N/A	N/A	N/A	N/A
	Total	**70.5**	**71.3**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

APPENDIX D

SoundPlan Model Operational Noise Calculations

Beaumont Battery Storage
Assessed receiver levels
Operational With Project

2

Receiver	Usage	Fl	Dir	X m	Y m	Z m	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
1 - NE	SCR	G		189.27	400.10	779.82	57.8	51.4	51.4	
2 - E	SCR	G		189.40	359.94	779.78	60.3	53.9	53.9	
3 - E	SCR	G		189.59	320.65	779.73	61.4	55.0	55.0	
4 - SE	SCR	G		188.89	237.28	777.24	59.8	53.4	53.4	
5 - S	SCR	G		111.64	149.74	774.18	57.0	50.6	50.6	

Beaumont Battery Storage
Octave spectra of the sources in dB(A) - Operational With Project

Name	Source type	X	Y	Z	l or A	L'w	Lw	Time histogram	Emission spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
		m	m	m	m,m²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
Aux Transformer 1	Area	80.25	357.64	781.93	9.29	85.4	95.1	100%/24h	Transformer	57.6	77.7	83.2	89.8	90.8	88.0	81.8	69.7	
Aux Transformer 2	Area	131.07	348.71	781.17	9.30	85.4	95.1	100%/24h	Transformer	57.6	77.7	83.2	89.8	90.8	88.0	81.8	69.7	
Battery Container Side AC - 1	Area	74.69	212.86	781.30	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 2	Area	87.72	212.82	781.32	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 3	Area	100.75	212.79	781.36	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 4	Area	74.70	245.80	781.89	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 5	Area	85.93	245.75	781.89	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 6	Area	74.81	273.80	782.35	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 7	Area	86.04	273.76	782.35	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 8	Area	74.91	301.81	782.65	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 9	Area	86.14	301.77	782.67	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 10	Area	75.02	329.82	782.84	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 11	Area	86.25	329.78	782.96	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 12	Area	91.65	355.47	783.27	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 13	Area	91.61	344.24	783.14	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 14	Area	91.59	338.63	783.08	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 15	Area	91.54	327.40	782.95	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 16	Area	91.52	321.79	782.89	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 17	Area	91.48	310.56	782.77	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 18	Area	91.48	304.95	782.70	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 19	Area	91.42	293.72	782.58	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 20	Area	91.40	288.11	782.51	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 21	Area	91.36	276.88	782.39	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 22	Area	91.34	271.26	782.31	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 23	Area	91.29	260.04	782.13	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 24	Area	91.27	254.42	782.04	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 25	Area	91.23	243.20	781.84	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 26	Area	150.00	344.02	781.88	8.53	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 27	Area	149.95	332.79	781.81	8.53	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 28	Area	149.93	327.18	781.77	8.53	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 29	Area	149.89	315.95	781.60	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	

Beaumont Battery Storage
Octave spectra of the sources in dB(A) - Operational With Project

Name	Source type	X	Y	Z	l or A	L'w	Lw	Time histogram	Emission spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
		m	m	m	m,m²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
Battery Container Side AC - 30	Area	149.87	310.34	781.47	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 31	Area	149.83	299.11	781.29	8.53	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 32	Area	149.81	293.50	781.28	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 33	Area	149.77	282.27	781.27	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 34	Area	149.75	276.65	781.26	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 35	Area	149.70	265.43	781.26	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 36	Area	149.68	259.81	781.24	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 37	Area	149.64	248.58	780.99	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 38	Area	149.62	242.97	780.75	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 39	Area	149.58	231.74	780.58	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 40	Area	149.56	226.13	780.52	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 41	Area	149.52	214.90	780.15	8.56	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 42	Area	106.27	212.77	781.38	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 43	Area	93.23	212.80	781.35	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 44	Area	80.33	248.64	781.94	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 45	Area	80.43	276.64	782.38	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 46	Area	80.54	304.65	782.69	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 47	Area	80.64	332.66	782.96	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 48	Area	80.20	212.84	781.30	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 49	Area	80.41	268.85	782.28	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 50	Area	80.52	296.85	782.61	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 51	Area	80.62	324.86	782.93	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 52	Area	80.73	352.87	783.24	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 53	Area	94.49	349.85	783.21	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 54	Area	94.43	333.01	783.02	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 55	Area	94.36	316.16	782.83	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 56	Area	94.30	299.32	782.64	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 57	Area	94.24	282.48	782.45	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 58	Area	94.18	265.64	782.23	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 59	Area	94.11	248.80	781.94	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 60	Area	126.54	237.44	781.73	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	

Beaumont Battery Storage
Octave spectra of the sources in dB(A) - Operational With Project

Name	Source type	X	Y	Z	l or A	L'w	Lw	Time histogram	Emission spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
		m	m	m	m,m²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
Battery Container Side AC - 61	Area	126.61	254.28	781.91	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 62	Area	126.67	271.12	782.04	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 63	Area	126.73	287.97	782.17	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 64	Area	126.79	304.81	782.31	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 65	Area	126.86	321.65	782.44	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 66	Area	126.92	338.49	782.58	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 67	Area	114.70	349.76	783.05	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 68	Area	114.64	332.92	782.91	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 69	Area	114.57	316.08	782.78	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 70	Area	114.51	299.24	782.62	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 71	Area	114.45	282.40	782.45	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 72	Area	114.39	265.56	782.22	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 74	Area	114.32	248.71	781.93	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 75	Area	146.69	220.53	780.60	8.54	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 76	Area	146.75	237.37	780.87	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 77	Area	146.82	254.21	781.27	8.53	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 78	Area	146.88	271.05	781.33	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 79	Area	146.94	287.89	781.34	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 80	Area	147.00	304.73	781.59	8.55	79.2	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 81	Area	147.07	321.57	781.82	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
Battery Container Side AC - 82	Area	147.13	338.42	781.95	8.52	79.3	88.6	100%/24h	30 Ton AC	62.5	73.5	75.0	80.2	84.3	83.2	78.0	72.3	
BSU	Area	143.50	383.00	781.17	28.12	80.6	95.1	100%/24h	Transformer	57.6	77.7	83.2	89.8	90.8	88.0	81.8	69.7	
PCS 1	Area	106.32	225.67	780.18	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 2	Area	93.28	225.71	780.16	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 3	Area	80.25	225.74	780.16	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 4	Area	74.76	266.57	780.88	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 5	Area	86.01	266.53	780.88	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 6	Area	86.12	294.54	781.23	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 7	Area	74.87	294.58	781.23	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 8	Area	86.22	322.54	781.54	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 9	Area	74.99	322.60	781.54	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	

Beaumont Battery Storage
Octave spectra of the sources in dB(A) - Operational With Project

Name	Source type	X	Y	Z	l or A	L'w	Lw	Time histogram	Emission spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
		m	m	m	m,m²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
PCS 10	Area	86.33	350.55	781.85	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 11	Area	75.10	350.59	781.85	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 12	Area	112.43	355.39	781.80	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 13	Area	112.38	344.14	781.70	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 14	Area	112.38	338.55	781.64	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 15	Area	112.33	327.30	781.53	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 16	Area	112.30	321.70	781.48	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 17	Area	112.27	310.46	781.37	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 18	Area	112.32	304.85	781.32	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 19	Area	112.21	293.63	781.21	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 20	Area	112.17	288.00	781.15	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 21	Area	112.14	276.78	781.03	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 22	Area	112.12	271.17	780.95	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 23	Area	112.05	254.33	780.66	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 24	Area	112.01	243.10	780.47	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 25	Area	128.78	214.97	779.97	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 26	Area	128.82	226.19	780.14	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 27	Area	128.84	231.81	780.22	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 28	Area	128.88	243.04	780.37	13.12	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 29	Area	128.90	248.65	780.40	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 30	Area	128.94	259.86	780.52	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 31	Area	128.96	265.49	780.56	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 32	Area	129.01	276.72	780.65	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 33	Area	129.03	282.33	780.70	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 34	Area	129.07	293.56	780.79	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 35	Area	129.09	299.17	780.83	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 36	Area	129.13	310.40	780.92	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 37	Area	129.15	316.02	780.97	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 38	Area	129.19	327.24	781.05	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 39	Area	129.22	332.86	781.10	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	
PCS 40	Area	129.26	344.08	781.19	13.13	74.9	86.1	100%/24h	PCS-PDC	66.0	72.0	75.6	82.3	79.7	79.0	67.7	62.0	

Beaumont Battery Storage
Octave spectra of the sources in dB(A) - Operational With Project

Name	Source type	X	Y	Z	l or A	L'w	Lw	Time histogram	Emission spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
		m	m	m	m,m²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
PDC	Area	147.46	355.38	781.67	30.71	80.2	95.1	100%/24h	Transformer	57.6	77.7	83.2	89.8	90.8	88.0	81.8	69.7	