

ATTACHMENT B:
AIR QUALITY AND GREENHOUSE GAS IMPACT STUDY

AIR QUALITY & GREENHOUSE GAS IMPACT ASSESSMENT

FOR THE PROPOSED

MORRO BAY HOTEL PROJECT MORRO BAY, CA

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LIST OF COMMON TERMS & ACRONYMS

AAM	Annual Arithmetic Mean
CAAQS	California Ambient Air Quality Standards
CAP	Climate Action Plan
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCAR	California Climate Action Registry
CH ₄	Methane
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
DPM	Diesel-Exhaust Particulate Matter or Diesel-Exhaust PM
FCAA	Federal Clean Air Act
GHG	Greenhouse Gases
HAP	Hazardous Air Pollutant
LOS	Level of Service
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards or National AAQS
NESHAPs	National Emission Standards for HAPs
NO _x	Oxides of Nitrogen
OAP	Ozone Attainment Plan
O ₃	Ozone
Pb	Lead
PM	Particulate Matter
PM ₁₀	Particulate Matter (less than 10 µm)
PM _{2.5}	Particulate Matter (less than 2.5 µm)
ppb	Parts per Billion
ppm	Parts per Million
ROG	Reactive Organic Gases
SIP	State Implementation Plan
SLOAPCD	San Luis Obispo County Air Pollution Control District
SO ₂	Sulfur Dioxide
SCCAB	South Central Coast Air Basin
TAC	Toxic Air Contaminant
µg/m ³	Micrograms per cubic meter
U.S. EPA	United State Environmental Protection Agency

INTRODUCTION

This report provides an analysis of air quality and GHG impacts associated with the proposed Pine Street Promenade project. This report also provides a summary of existing conditions in the project area and the applicable regulatory framework pertaining to air quality and climate change.

PROPOSED PROJECT

The proposed project includes the construction of a 83-room hotel. The project site is located at 233 Atascadero Road. Project construction is anticipated to begin in 2018 and would occur over an approximate 18-month period. The proposed project site plan is depicted in Figure 1.

The project site is located adjacent to and north of Atascadero Road, east of the southbound U.S. 101 off-ramp. Nearby land uses Morro Bay High School to the west and commercial development to the south, across Atascadero Road.

AIR QUALITY

SETTING

The City of Morro Bay is in San Luis Obispo County, which is part of the South Central Coast Air Basin (SCCAB) and within the jurisdiction of the SLOAPCD. Air quality in the SCCAB is influenced by a variety of factors, including topography, local and regional meteorology. Factors affecting regional and local air quality are discussed below.

METEOROLOGY & CLIMATE

Topography

The City of Morro Bay is in the coastal plateau. The coastal plateau is about five to ten miles wide and varies in elevation from sea level to about 500 feet. It is bounded on the northeast by the Santa Lucia Mountain Range, which extends almost the entire length of the county. Rising sharply to about 3,000 feet at its northern boundary, the Santa Lucia Range gradually winds southward away from the coast, finally merging into a mass of rugged features on the north side of Cuyama Canyon. Point Buchon juts into the Pacific just south of Morro Bay to form the protective harbor of San Luis Obispo Bay. The Irish Hills are the dominant feature on this knob of land, rising abruptly from the shore to form steep cliffs and generally complex terrain from the Los Osos/Montana de Oro State Park area to Pismo Beach. These headlands have a pronounced influence on local windflow patterns.

Estuaries are also a notable feature of the coastal areas, occurring wherever flowing streams meet the ocean. Morro Bay contains the region's largest estuary, with a saltwater marsh located on the east side where Chorro and Los Osos creeks enter the bay. This is one of the most significant wetlands remaining on the California coast and has been designated part of the National Estuary Program. It provides nesting habitat for blue herons, cranes and other important types of woodland birds and wildlife. Smaller coastal lagoons and marshes are also scattered along the county's shoreline.

Local and Regional Meteorology

The climate of the county can be generally characterized as Mediterranean, with warm, dry summers and cooler, relatively damp winters. Along the coast, mild temperatures are the rule throughout the year due to the moderating influence of the Pacific Ocean. This effect is diminished inland in proportion to distance from the ocean or by major intervening terrain features, such as the coastal mountain ranges. (SLOAPCD 2001).

Figure 1
Preliminary Architectural Site Plan



Not to scale.
Image Source: ASA 2019

Regional meteorology is largely dominated by a persistent high-pressure area which commonly resides over the eastern Pacific Ocean. Seasonal variations in the strength and position of this pressure cell cause seasonal changes in the weather patterns of the area. The Pacific High remains generally fixed several hundred miles offshore from May through September, enhancing onshore winds and opposing offshore winds. During spring and early summer, as the onshore breezes pass over the cool water of the ocean, fog and low clouds often form in the marine air layer along the coast. Surface heating in the interior valleys dissipates the marine layer as it moves inland (SLOAPCD 2001).

Airflow around the county plays an important role in the movement and dispersion of pollutants. The speed and direction of local winds are controlled by the location and strength of the Pacific high-pressure system and other global patterns, by topographical factors, and by circulation patterns resulting from temperature differences between the land and sea. In spring and summer months, when the Pacific High attains its greatest strength, onshore winds from the northwest generally prevail during the day. At night, as the sea breeze dies, weak drainage winds flow down the coastal mountains and valleys to form a light, easterly land breeze (SLOAPCD 2001).

In the Fall, onshore surface winds decline and the marine layer grows shallow, allowing an occasional reversal to a weak offshore flow. This, along with the diurnal alternation of land-sea breeze circulation, can sometimes produce a "sloshing" effect. Under these conditions, pollutants may accumulate over the ocean for a period of one or more days and are subsequently carried back onshore with the return of the sea breeze. Strong inversions can form at this time, "trapping" pollutants near the surface (SLOAPCD 2001).

This effect is intensified when the Pacific High weakens or moves inland to the east. This may produce a "Santa Ana" condition in which air, often pollutant-laden, is transported into the county from the east and southeast. This can occur over a period of several days until the high-pressure system returns to its normal location, breaking the pattern. The breakup of a Santa Ana condition may result in relatively stagnant conditions and a buildup of pollutants offshore. The onset of the typical daytime sea breeze can bring these pollutants back onshore, where they combine with local emissions to cause high pollutant concentrations. Not all occurrences of the "post Santa Ana" condition lead to high ambient pollutant levels, but it does play an important role in the air pollution meteorology of the county (SLOAPCD 2001).

Atmospheric Stability and Dispersion

Air pollutant concentrations are primarily determined by the amount of pollutant emissions in an area and the degree to which these pollutants are dispersed into the atmosphere. The stability of the atmosphere is one of the key factors affecting pollutant dispersion. Atmospheric stability regulates the amount of vertical and horizontal air exchange, or mixing, that can occur within a given air basin. Restricted mixing and low wind speeds are generally associated with a high degree of stability in the atmosphere. These conditions are characteristic of temperature inversions (SLOAPCD 2001).

In the atmosphere, air temperatures normally decrease as altitude increases. At varying distances above the earth's surface, however, a reversal of this gradient can occur. This condition, termed an inversion, is simply a warm layer of air above a layer of cooler air, and it has the effect of limiting the vertical dispersion of pollutants. The height of the inversion determines the size of the mixing volume trapped below. Inversion strength or intensity is measured by the thickness of the layer and the difference in temperature between the base and the top of the inversion. The strength of the inversion determines how easily it can be broken by winds or solar heating (SLOAPCD 2001).

Several types of inversions are common to this area. Weak, surface inversions are caused by radiational cooling of air in contact with the cold surface of the earth at night. In valleys and low-lying areas this condition is intensified by the addition of cold air flowing downslope from the hills and pooling on the valley floor. Surface inversions are a common occurrence throughout the county during the winter, particularly on cold mornings when the inversion is strongest. As the morning sun warms the earth and the air near the ground, the inversion lifts, gradually dissipating as the day progresses. During the late spring and early summer months, cool air over the ocean can intrude under the relatively warmer air over land, causing a marine inversion. These inversions can restrict dispersion along the coast, but they are typically shallow and will dissipate with surface heating (SLOAPCD 2001).

In contrast, in the summertime the presence of the Pacific high-pressure cell can cause the air mass aloft to sink. As the air descends, compressional heating warms it to a temperature higher than the air below. This highly stable atmospheric condition, termed a subsidence inversion, is common to all of coastal California and can act as a nearly impenetrable lid to the vertical mixing of pollutants. The base of the inversion typically ranges from 1000 to 2500 feet above sea level; however, levels as low as 250 feet, among the lowest anywhere in the state, have been recorded on the coastal plateau in San Luis Obispo county. The strength of these inversions makes them difficult to disrupt. Consequently, they can persist for one or more days, causing air stagnation and the buildup of pollutants. Highest or worst-case ozone levels are often associated with the presence of this type of inversion (SLOAPCD 2001).

CRITERIA AIR POLLUTANTS

For the protection of public health and welfare, the Clean Air Act (CAA) required that the United States Environmental Protection Agency (U.S. EPA) establish National Ambient Air Quality Standards (NAAQS) for various pollutants. These pollutants are referred to as "criteria" pollutants because the US EPA publishes criteria documents to justify the choice of standards. These standards define the maximum amount of an air pollutant that can be present in ambient air without harm to the public's health. An ambient air quality standard is generally specified as a concentration averaged over a specific time period, such as one hour, eight hours, 24 hours, or one year. The different averaging times and concentrations are meant to protect against different exposure effects. The CAA allows states to adopt additional or more health-protective standards. The air quality regulatory framework and ambient air quality standards are discussed in greater detail later in this report.

Human Health & Welfare Effects

Common air pollutants and associated adverse health and welfare effects are summarized in Table 1. Within the SCCAB, the air pollutants of primary concern, with regard to human health, include ozone, particulate matter (PM) and carbon monoxide (CO). As depicted in Table 1, exposure to increased pollutant concentrations of ozone, PM and CO can result in various heart and lung ailments, cardiovascular and nervous system impairment, and death.

Table 1
Common Pollutants & Adverse Effects

Pollutant	Human Health & Welfare Effects
Particulate Matter (PM ₁₀ & PM _{2.5})	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze).
Ozone (O ₃)	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield. Damages rubber, some textiles and dyes.
Sulfur Dioxide (SO ₂)	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel; damage crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	Reduces the ability of blood to deliver oxygen to vital tissues, effecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO ₂)	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Contributes to global warming, and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead	Anemia, high blood pressure, brain and kidney damage, neurological disorders, cancer, lowered IQ. Affects animals, plants, and aquatic ecosystems.

Source: ARB 2017b

ODORS

Typically, odors are generally regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from the psychological (i.e. irritation, anger, or anxiety) to the physiological, including circulatory and respiratory effects, nausea, vomiting, and headache.

Neither the state nor the federal governments have adopted rules or regulations for the control of odor sources. The SLOAPCD does not have an individual rule or regulation that specifically addresses odors; however, odors would be applicable to SLOAPCD's Rule 204, Nuisance. Any actions related to odors would be based on citizen complaints to local governments and the SLOAPCD. The SLOAPCD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine if the Project results in excessive nuisance odors, as defined under the California Code of Regulations, Health & Safety Code Section 41700, air quality public nuisance.

TOXIC AIR CONTAMINANTS

Toxic air contaminants (TACs) are air pollutants that may cause or contribute to an increase in mortality or serious illness, or which may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air, but due to their high toxicity, they may pose a threat to public health even at very low concentrations. Because there is no threshold level below which adverse health impacts are not expected to occur, TACs differ from criteria pollutants for which acceptable levels of exposure can be determined and for which state and federal governments have set ambient air quality standards. TACs, therefore, are not considered "criteria pollutants" under either the Federal Clean Air Act (FCAA) or the California Clean Air Act (CCAA), and are thus not subject to National or State AAQS. TACs are not considered criteria pollutants in that the federal and California Clean Air Acts do not address them specifically through the setting of National or State AAQS. Instead, the U.S. EPA and ARB regulate Hazardous Air Pollutants (HAPs) and TACs, respectively, through statutes and regulations that generally require the use of the maximum or best available control technology to limit emissions. In conjunction with District rules, these federal and state statutes and regulations establish the regulatory framework for TACs. At the national levels, the U.S. EPA has established National Emission Standards for HAPs (NESHAPs), in accordance with the requirements of the FCAA and subsequent amendments. These are technology-based source-specific regulations that limit allowable emissions of HAPs.

Within California, TACs are regulated primarily through the Tanner Air Toxics Act (AB 1807) and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588). The Tanner Act sets forth a formal procedure for ARB to designate substances as TACs. This includes research, public participation, and scientific peer review before ARB designates a substance as a TAC. Existing sources of TACs that are subject to the Air Toxics Hot Spots Information and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

At the state level, the ARB has authority for the regulation of emissions from motor vehicles, fuels, and consumer products. Most recently, Diesel-exhaust particulate matter (DPM) was added to the ARB list of TACs. DPM is the primary TACs of concern for mobile sources. Of all controlled TACs, emissions of DPM are estimated to be responsible for about 70 percent of the total ambient TAC risk. The ARB has made the reduction of the public's exposure to DPM one of its highest priorities, with an aggressive plan to require cleaner diesel fuel and cleaner diesel engines and vehicles (ARB 2005).

At the local level, air districts have the authority over stationary or industrial sources. All projects that require air quality permits from the SLOAPCD are evaluated for TAC emissions. The SLOAPCD limits emissions and public exposure to TACs through a number of programs. The SLOAPCD prioritizes TAC-emitting stationary sources, based on the quantity and toxicity of the TAC emissions and the proximity of the facilities to sensitive receptors. The SLOAPCD requires a comprehensive health risk assessment for facilities that are classified in the significant-risk category, pursuant to AB 2588. No major existing sources of TACs have been identified in the project area.

Land Use Compatibility with TAC Emission Sources

The ARB published an informational guide entitled: *Air Quality and Land Use Handbook: A Community Health Perspective* (Handbook) in 2005. The purpose of this guide is to provide information to aid local jurisdictions in addressing issues and concerns related to the placement of sensitive land uses near major sources of air pollution. The CARB's Handbook includes recommended separation distances for various land uses that are based on relatively conservative estimations of emissions based on source-specific information. However, these recommendations are not site specific and should not be interpreted as defined "buffer zones". It is also important to note that the recommendations of the Handbook are advisory and need to be balanced with other State and local policies (ARB 2005). Depending on site and project-specific conditions, an assessment of potential increases in exposure to TACs may be warranted for proposed development projects located within the distances identified. CARB-recommended separation distances for various sources of emissions are summarized in Table 2.

ASBESTOS

Asbestos is the common name for a group of naturally-occurring fibrous silicate minerals that can separate into thin but strong and durable fibers. Naturally-occurring asbestos, which was identified as a TAC in 1986 by CARB, is located in many parts of California and is commonly associated with ultramafic rock. The project site is not located near areas that are likely to contain ultramafic rock.

Asbestos-containing material (ACM) may also be present in existing structures. The demolition or renovation of existing structures may be subject to regulatory requirements for the control of ACM.

Table 2
Recommendations on Siting New Sensitive Land Uses
Near Air Pollutant Sources

Source Category	Advisory Recommendations
Freeways and High-Traffic Roads	<ul style="list-style-type: none"> Avoid siting new sensitive land uses within 500 feet of a freeway, urban roads with 100,000 vehicles/day, or rural roads with 50,000 vehicles/day.
Distribution Centers	<ul style="list-style-type: none"> Avoid siting new sensitive land uses within 1,000 feet of a distribution center (that accommodates more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units (TRUs) per day, or where TRU unit operations exceed 300 hours per week). Take into account the configuration of existing distribution centers and avoid locating residences and other new sensitive land uses near entry and exit points.
Rail Yards	<ul style="list-style-type: none"> Avoid siting new sensitive land uses within 1,000 feet of a major service and maintenance rail yard. Within one mile of a rail yard, consider possible siting limitations and mitigation approaches.
Ports	<ul style="list-style-type: none"> Avoid siting of new sensitive land uses immediately downwind of ports in the most heavily impacted zones. Consult local air districts or the ARB on the status of pending analyses of health risks.
Refineries	<ul style="list-style-type: none"> Avoid siting new sensitive land uses immediately downwind of petroleum refineries. Consult with local air districts and other local agencies to determine an appropriate separation.
Chrome Platers	<ul style="list-style-type: none"> Avoid siting new sensitive land uses within 1,000 feet of a chrome plater.
Dry Cleaners Using Perchloroethylene	<ul style="list-style-type: none"> Avoid siting new sensitive land uses within 300 feet of any dry-cleaning operation. For operations with two or more machines, provide 500 feet. For operations with 3 or more machines, consult with the local air district. Do not site new sensitive land uses in the same building with perchloroethylene dry cleaning operations.
Gasoline Dispensing Facilities	<ul style="list-style-type: none"> Avoid siting new sensitive land uses within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater). A 50-foot separation is recommended for typical gas dispensing facilities.
<i>Recommendations are advisory, are not site specific, and may not fully account for future reductions in emissions, including those resulting from compliance with existing/future regulatory requirements.</i> Source: ARB 2005	

REGULATORY FRAMEWORK

Air quality within the SCCAB is regulated by several jurisdictions including the U.S. EPA, CARB, and the SLOAPCD. Each of these jurisdictions develops rules, regulations, and policies to attain the goals or directives imposed upon them through legislation.

FEDERAL

U.S. Environmental Protection Agency

At the federal level, the U.S. EPA has been charged with implementing national air quality programs. The U.S. EPA's air quality mandates are drawn primarily from the FCAA, which was signed into law in 1970. Congress substantially amended the FCAA in 1977 and again in 1990.

Federal Clean Air Act

The FCAA required the US EPA to establish National Ambient Air Quality Standards (NAAQS or National AAQS), and also set deadlines for their attainment. Two types of NAAQS have been established: primary standards, which protect public health, and secondary standards, which protect public welfare from non-health-related adverse effects, such as visibility restrictions. NAAQS are summarized in Table 3.

STATE

California Air Resources Board

The ARB is the agency responsible for coordination and oversight of state and local air pollution control programs in California and for implementing the California Clean Air Act of 1988. Other ARB duties include monitoring air quality (in conjunction with air monitoring networks maintained by air pollution control districts and air quality management districts, establishing California Ambient Air Quality Standards (CAAQS), which in many cases are more stringent than the NAAQS, and setting emissions standards for new motor vehicles. The CAAQS are summarized in Table 3. The emission standards established for motor vehicles differ depending on various factors including the model year, and the type of vehicle, fuel and engine used.

California Clean Air Act

The CCAA requires that all air districts in the state endeavor to achieve and maintain CAAQS for Ozone, CO, SO₂, and NO₂ by the earliest practical date. The CCAA specifies that districts focus particular attention on reducing the emissions from transportation and area-wide emission sources, and the act provides districts with authority to regulate indirect sources. Each district plan is required to either (1) achieve a five percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each non-attainment pollutant or its precursors, or (2) to provide for implementation of all feasible measures to reduce emissions. Any planning effort for air quality attainment would thus need to consider both state and federal planning requirements.

Assembly Bills 1807 & 2588 - Toxic Air Contaminants

Within California, TACs are regulated primarily through AB 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics Hot Spots Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for ARB to designate substances as TACs. This includes research, public participation, and scientific peer review before ARB designates a substance as a TAC. Existing sources of TACs that are subject to the Air Toxics Hot Spots Information and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

Table 3
Summary of Ambient Air Quality Standards & Attainment Designations

Pollutant	Averaging Time	California Standards*		National Standards*	
		Concentration*	Attainment Status	Primary ^(a)	Attainment Status
Ozone (O ₃)	1-hour	0.09 ppm	Non-Attainment	—	Non-Attainment Eastern SLO County -Attainment Western SLO County
	8-hour	0.070 ppm		0.075 ppm	
Particulate Matter (PM ₁₀)	AAM	20 µg/m3	Non-Attainment	—	Unclassified/Attainment
	24-hour	50 µg/m3		150 µg/m3	
Fine Particulate Matter (PM _{2.5})	AAM	12 µg/m3	Attainment	12 µg/m3	Unclassified/Attainment
	24-hour	No Standard		35 µg/m3	
Carbon Monoxide (CO)	1-hour	20 ppm	Attainment	35 ppm	Attainment/Maintenance
	8-hour	9 ppm		9 ppm	
	8-hour (Lake Tahoe)	6 ppm		—	
Nitrogen Dioxide (NO ₂)	AAM	0.030 ppm	Attainment	0.053 ppm	Unclassified
	1-hour	0.18 ppm		100 ppm	
Sulfur Dioxide (SO ₂)	AAM	—	Attainment	0.03 ppm	Unclassified
	24-hour	0.04 ppm		0.14 ppm	
	3-hour	—		0.5 ppm (1300 µg/m3)**	
	1-hour	0.25 ppm		75 ppb	
Lead	30-day Average	1.5 µg/m3	Attainment	—	No Attainment Information
	Calendar Quarter	—		1.5 µg/m3	
	Rolling 3-Month Average	—		0.15 µg/m3	
Sulfates	24-hour	25 µg/m3	Attainment	No Federal Standards	
Hydrogen Sulfide	1-hour	0.03 ppm (42 µg/m3)	Attainment		
Vinyl Chloride	24-hour	0.01 ppm (26 µg/m3)	No Information Available		
Visibility-Reducing Particle Matter	8-hour	Extinction coefficient: 0.23/kilometer-visibility of 10 miles or more (0.07-30 miles or more for Lake Tahoe) due to particles when the relative humidity is less than 70%.	Attainment		
* For more information on standards visit :http://ww.arb.ca.gov.research/aaqs/aaqs2.pdf					
** Secondary Standard					
Source: SLOAPCD 2017; ARB 2017a					

In-Use Off-Road Diesel Vehicle Regulation

On July 26, 2007, the Air Resources Board (ARB) adopted a regulation to reduce diesel particulate matter (PM) and oxides of nitrogen (NOx) emissions from in-use (existing) off-road heavy-duty diesel vehicles in California. The regulation applies to self-propelled diesel-fueled vehicles that cannot be registered and licensed to drive on-road, as well as two-engine vehicles that drive on road, with the limited exception of two-engine sweepers. Examples include loaders, crawler tractors, skid steers, backhoes, forklifts, airport ground support equipment, water well drilling rigs, and two-engine cranes. Such vehicles are used in construction, mining, and industrial operations. The regulation does not apply to stationary equipment or portable equipment such as generators. The off-road vehicle regulation, establishes emissions performance requirements, establishes reporting, disclosure, and labeling requirements for off-road vehicles, and limits unnecessary idling.

LOCAL

County of San Luis Obispo Air Pollution Control District

The SLOAPCD is the agency primarily responsible for ensuring that NAAQS and CAAQS are not exceeded and that air quality conditions within the region are maintained. Responsibilities of the SLOAPCD include, but are not limited to, preparing plans for the attainment of ambient air quality standards, adopting and enforcing rules and regulations concerning sources of air pollution, issuing permits for stationary sources of air pollution, inspecting stationary sources of air pollution and responding to citizen complaints, monitoring ambient air quality and meteorological conditions, and implementing programs and regulations required by the FCAA and the CCAA.

IMPACT ANALYSIS

METHODOLOGY

Short-term Impacts

Emissions associated with construction of proposed project were calculated using the CalEEMod, version 2016.3.1, computer program. Project construction is anticipated to occur over an approximate 16-month period beginning in 2018. According to the project engineers, approximately 6,900 cubic yards (cyds) of material would be imported. Approximately 19,359 square feet (sq.ft.) of existing structures would be demolished. Additional construction information, such as equipment use, worker vehicle trips, and equipment load factors were not available and were based on default parameters contained in the model. Modeling assumptions and output files are included in Appendix B of this report.

Long-term Impacts

Long-term operational emissions of criteria air pollutants associated with the proposed project were calculated using the CalEEMod, version 2016.3.2 computer program. The CalEEMod program includes quantification of emissions from various emission sources, including energy use, area sources, and motor vehicle trips. Trip-generation rates contained in the model for the proposed hotel and retail uses were derived from the traffic analysis prepared for this project. All other operational assumptions were based on default assumptions contained in the model for San Luis Obispo County. The use of off-road equipment would not be required for project operations and was not included in the emissions modeling.

THRESHOLDS OF SIGNIFICANCE

To assist in the evaluation of air quality impacts, the SLOAPCD has developed recommended significance thresholds, which are contained in the SLOAPCD's *CEQA Air Quality Handbook* (2012). For the purposes of this analysis, project emissions are considered potentially significant impacts if any of the following SLOAPCD thresholds are exceeded:

Construction Impacts

The threshold criteria established by the SLOAPCD to determine the significance and appropriate mitigation level for a project's short-term construction emissions are presented in Table 4 and discussed, as follows (SLOAPCD 2012):

ROG and NOx Emissions

- Daily: For construction projects exceeding 137 lb/day threshold requires Standard Mitigation Measures;
- Quarterly – Tier 1: For construction projects exceedance of the 2.5 ton/qtr threshold requires Standard Mitigation Measures and Best Available Control Technology (BACT) for construction equipment. Off-site mitigation may be necessary if feasible mitigation measures are not implemented, or if no mitigation measures are feasible for the project.
- Quarterly – Tier 2: For construction projects, exceedance of the 6.3 ton/qtr threshold requires Standard Mitigation Measures, BACT, implementation of a Construction Activity Management Plan (CAMP), and off-site mitigation are required.

Table 4
SLOAPCD Thresholds of Significance for Construction Impacts

Pollutant	Threshold ⁽¹⁾		
	Daily (lbs/day)	Quarterly Tier 1 (tons)	Quarterly Tier 2 (tons)
Ozone Precursors (ROG + NO _x) ⁽²⁾	137	2.5	6.3
Diesel Particulate Matter (DPM) ⁽²⁾	7	0.13	0.32
Fugitive Particulate Matter (PM ₁₀), Dust	None	2.5	None

1. Daily and quarterly emissions thresholds are based on the California Health & Safety Code and the ARB Carl Moyer Guidelines.
2. Any project with a grading area greater than 4.0 acres of worked area can exceed the 2.5 tons PM₁₀ quarterly threshold.

Diesel Particulate Matter (DPM) Emissions

- Daily: For construction projects expected to be completed in less than one quarter, exceedance of the 7 lb/day threshold requires Standard Mitigation Measures;
- Quarterly - Tier 1: For construction projects lasting more than one quarter, exceedance of the 0.13 tons/quarter threshold requires Standard Mitigation Measures, BACT for construction equipment; and,
- Quarterly - Tier 2: For construction projects lasting more than one quarter, exceedance of the 0.32 ton/qtr threshold requires Standard Mitigation Measures, BACT, implementation of a CAMP, and off-site mitigation.

Fugitive Particulate Matter (PM₁₀), Dust Emissions

- Quarterly: Exceedance of the 2.5 ton/qtr threshold requires Fugitive PM₁₀ Mitigation Measures and may require the implementation of a CAMP.

Operational Impacts

Criteria Air Pollutants

The threshold criteria established by the SLOAPCD to determine the significance and appropriate mitigation level for long-term operational emissions from a project are presented in Table 5.

Toxic Air Contaminants

If a project has the potential to emit toxic or hazardous air pollutants, or is located in close proximity to sensitive receptors, impacts may be considered significant due to increased cancer risk for the affected population, even at a very low level of emissions. For the evaluation of new proposed land use projects that generate toxic air contaminants (such as gasoline stations, distribution facilities or asphalt batch plants) the SLOAPCD has defined the excess cancer risk significance threshold at 10 in a million.

Table 5
SLOAPCD Thresholds of Significance for Operational Impacts

Pollutant	Threshold ⁽¹⁾	
	Daily (lbs/day)	Annual (tons/year)
Ozone Precursors (ROG + NO _x) ⁽²⁾	25	25
Diesel Particulate Matter (DPM) ⁽²⁾	1.25	None
Fugitive Particulate Matter (PM ₁₀), Dust	25	25
CO	550	None
1. Daily and annual emissions thresholds are based on the California Health & Safety Code Division 26, Part 3, Chapter 10, Section 40918 and the ARB Carl Moyer Guidelines for DPM. 2. CalEEMod – use winter operational emission data to compare to operational thresholds.		

Localized CO Concentrations

Localized CO concentrations associated with the proposed project would be considered a less-than-significant impact if: (1) Traffic generated by the proposed project would not result in deterioration of signalized intersection level of service (LOS) to LOS E or F; or (2) the project would not contribute additional traffic to a signalized intersection that already operates at LOS of E or F (Caltrans 1996).

Odors

Screening of potential odor impacts is typically recommended for the following two situations:

- Projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate; and
- Residential or other sensitive receptor projects or other projects that may attract people locating near existing odor sources.

If the proposed project would locate receptors and known odor sources within one mile of each other, a full analysis of odor impacts is recommended. Known odor sources of primary concern, as identified by the SLOAPCD, include: landfills, transfer stations, asphalt batch plants, rendering plants, petroleum refineries, and painting/coating operations, as well as, composting, food processing, wastewater treatment, chemical manufacturing, and feedlot/dairy facilities.

PROJECT IMPACTS AND MITIGATION MEASURES

Impact AQ-A. Would the project conflict with or obstruct implementation of the applicable air quality plan?

SLOAPCD Clean Air Plan

As part of the CCAA, the SLOAPCD is required to develop a plan to achieve and maintain the state ozone standard by the earliest practicable date. The SLOAPCD's 2001 Clean Air Plan (CAP) addresses the attainment and maintenance of state and federal ambient air quality standards. The CAP was adopted by SLOAPCD's on March 26, 2002.

The CAP outlines the District's strategies to reduce ozone-precursor pollutants (i.e., ROG and NO_x) from a wide variety of sources. The CAP includes a stationary-source control program, which includes control measures for permitted stationary sources; as well as, transportation and land use management strategies to reduce motor vehicle emissions and use. The stationary-source control program is administered by SLOAPCD. Transportation and land use control measures are implemented at the local or regional level, by promoting and facilitating the use of alternative transportation options, increased pedestrian access and accessibility to community services and local destinations, reductions in vehicle miles traveled, and promotion of congestion management efforts. In addition,

local jurisdictions also prepare population forecasts, which are used by SLOAPCD to forecast population-related emissions and air quality attainment, including those contained in the CAP.

According to the SLOAPCD's *CEQA Air Quality Handbook* (2012), a consistency analysis with the Clean Air Plan is required for a program-level environmental review, and may be necessary for a larger project-level environmental review, depending on the project being considered. Project-Level environmental reviews which may require consistency analysis with the CAP include: large residential developments and large commercial/industrial developments. For such projects, evaluation of consistency is based on a comparison of the proposed project with the land use and transportation control measures and strategies outlined in the CAP. If the project is consistent with these measures, the project is considered consistent with the CAP.

The proposed project is not considered a large development project that would have the potential to result in a substantial increase in population, or employment. In addition, the proposed project is also consistent with existing zoning designations. However, as noted in Impact AQ-C, construction-generated emissions of ROG+NO_x would exceed SLOAPCD's recommended significance threshold of 137 lbs/day. Projects that exceed SLOAPCD's recommended significance thresholds would also be considered to potentially conflict with regional air quality planning efforts. This impact is considered *potentially significant*.

Particulate Matter Report – Implementation of SB 656 Requirements

In July 2005, SLOAPCD adopted the *Particulate Matter Report* (PM Report). The PM Report identifies various measures and strategies to reduce public exposure to PM emitted from a wide variety of sources, including emissions from permitted stationary sources and fugitive sources, such as construction activities. As discussed in Impact AQ-C, uncontrolled fugitive dust generated during construction may result in localized pollutant concentrations that may result in increased nuisance concerns to nearby land uses. Therefore, construction-generated emissions of fugitive dust would be considered to have a *potentially significant* impact.

Mitigation Measures

Implement Mitigation Measure AQ-1.

Significance After Mitigation

Implementation of Mitigation Measure AQ-1 would include measures to reduce construction-generated emissions of fugitive dust, as well as, mobile-source emissions associated with construction vehicle and equipment operations and evaporative emissions from architectural coatings. With mitigation, overall emissions of fugitive dust would be reduced by roughly 50 to 60 percent. These measures would also help to ensure compliance with SLOAPCD's 20-percent opacity limit (APCD Rule 401), nuisance rule (APCD Rule 402), and would minimize potential nuisance impacts to nearby receptors. With mitigation, this impact is considered *less than significant*. Refer to *Impact AQ-B* for additional discussion of air quality impacts and proposed mitigation measures. It is also important to note that implementation of Mitigation Measure GHG-1 would also help to reduce operational emissions of criteria air pollutants, including ozone and PM.

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

Short-term Construction Emissions

The construction of the proposed project would result in the temporary generation of emissions associated with site grading and excavation, paving, motor vehicle exhaust associated with construction equipment and worker trips, as well as the movement of construction equipment on unpaved surfaces. Short-term construction emissions would result in increased emissions of ozone-precursor pollutants (i.e., ROG and NO_x) and emissions of PM. Emissions of ozone-precursors would result from the operation of on- and off-road motorized vehicles and equipment. Emissions

of airborne PM are largely dependent on the amount of ground disturbance associated with site preparation activities and can result in increased concentrations of PM that can adversely affect nearby sensitive land uses.

Estimated daily and quarterly emissions associated with initial construction of the proposed project are presented in Table 6 and Table 7, respectively. Construction-generated emissions in comparison to SLOAPCD significance thresholds are summarized in Table 8. As depicted, maximum daily emissions associated with construction of the proposed project would total approximately 118.8 lbs/day of ROG+NO_x. Emissions of PM₁₀ during construction would total approximately 5.2 lbs/day, or less. Maximum quarterly construction-generated emissions would total approximately 1.0 tons of ROG+NO_x, less than 0.1 tons of Fugitive PM₁₀ and DPM. Estimated construction emissions would not exceed SLOAPCD's significance thresholds. However, if uncontrolled, fugitive dust generated during construction may result in localized pollutant concentrations that could exceed ambient air quality standards and result in increased nuisance concerns to nearby land uses. For these reasons, construction-generated emissions would be considered to have a *potentially significant* impact.

Table 6
Daily Construction Emissions Without Mitigation

Construction Activity	Construction Year	Daily Emissions (lbs)	
		ROG+NO _x	Exhaust PM ₁₀
Site Preparation	2019	50.1	2.4
Grading/Excavation	2019	38.4	1.5
Building Construction	2019-2020	118.8	5.2
Paving	2020	13.3	0.7
Architectural Coating	2020	27.7	0.1
SLOAPCD Significance Thresholds		137	7
Maximum Daily Emissions-Year 2020		118.8	5.2
Exceed SLOAPCD Thresholds?		No	No
<i>Maximum Daily Emissions: Assumes that building construction, paving, and application of architectural coatings could potentially occur simultaneously on any given day. Totals may not sum due to rounding. Refer to Appendix B for modeling assumptions and results.</i>			

Table 7
Quarterly Construction Emissions Without Mitigation

Quarter	Quarterly Emissions (tons)			
	ROG+NO _x	PM ₁₀		
		Dust	Exhaust	Total
Quarter 1	1.0	0.10	0.05	0.15
Quarter 2	0.8	0.03	0.04	0.06
Quarter 3	0.9	0.03	0.04	0.07
Quarter 4	1.0	0.02	0.04	0.06
Maximum Quarterly Emissions:	1.0	0.10	0.05	0.15
SLOAPCD Significance Thresholds	2.5	2.5	0.13	None
Exceed SLOAPCD Thresholds?	No	No	No	No
<i>To be conservative, total exhaust PM₁₀ emissions were compared to SLOAPCD's DPM threshold. Totals may not sum due to rounding. Refer to Appendix B for modeling assumptions and results.</i>				

Table 8
Summary of Construction Emissions Without Mitigation

Criteria	Project Emissions	SLOAPCD Significance Threshold	Exceed Significance Threshold?
Maximum Daily Emissions of ROG+NO _x	118.8 lbs/day	137 lbs/day	No
Maximum Daily Emissions of DPM	5.2 lbs/day	7 lbs/day	No
Maximum Quarterly Emissions of ROG+NO _x	1.0 tons/qtr	2.5 tons/qtr	No
Maximum Quarterly Emissions of DPM	0.05 tons/qtr	0.13 tons/qtr	No
Maximum Quarterly Emissions of Fugitive PM	0.1 tons/qtr	2.5 tons/qtr	No
<i>Quarterly thresholds are based on the more conservative Tier 1 thresholds. Refer to Appendix B for modeling assumptions and results.</i>			

Mitigation Measures

AQ-1: The following measures shall be implemented to minimize construction-generated emissions. These measures shall be shown on grading and building plans:

- a. Construction of the proposed project shall use low-VOC content paints not exceeding 50 grams per liter.
- b. To the extent locally available, prefinished building materials or materials that do not require the application of architectural coatings shall be used.
- c. Reduce the amount of the disturbed area where possible.
- d. Use water trucks, APCD approved dust suppressants (see Section 4.3 in the CEQA Air Quality Handbook), or sprinkler systems in sufficient quantities to prevent airborne dust from leaving the site and from exceeding the District's limit of 20% opacity for greater than 3 minutes in any 60-minute period. Increased watering frequency would be required whenever wind speeds exceed 15 mph. Reclaimed (non-potable) water should be used whenever possible. Please note that since water use is a concern due to drought conditions, the contractor or builder shall consider the use of an APCD-approved dust suppressant where feasible to reduce the amount of water used for dust control. For a list of suppressants, see Section 4.3 of the CEQA Air Quality Handbook.
- e. All dirt stock-pile areas should be sprayed daily as needed.
- f. Permanent dust control measures identified in the approved project revegetation and landscape plans should be implemented as soon as possible following completion of any soil disturbing activities;
- g. Exposed ground areas that are planned to be reworked at dates greater than one month after initial grading should be sown with a fast germinating, non-invasive grass seed and watered until vegetation is established.
- h. All disturbed soil areas not subject to revegetation should be stabilized using approved chemical soil binders, jute netting, or other methods approved in advance by the SLOAPCD.
- i. All roadways, driveways, sidewalks, etc. to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.
- j. Vehicle speed for all construction vehicles shall not exceed 15 mph on any unpaved surface at the construction site.
- k. All trucks hauling dirt, sand, soil, or other loose materials are to be covered or should maintain at least two feet of freeboard (minimum vertical distance between top of load and top of trailer) in accordance with CVC Section 23114.
- l. Install wheel washers at the construction site entrance, wash off the tires or tracks of all trucks and equipment leaving the site, or implement other SLOAPCD-approved methods sufficient to minimize the track-out of soil onto paved roadways.
- m. Sweep streets at the end of each day if visible soil material is carried onto adjacent paved roads. Water sweepers with reclaimed water should be used where feasible.

- n. The burning of vegetative material shall be prohibited. Effective February 25, 2000, the APCD prohibited developmental burning of vegetative material within San Luis Obispo County. If you have any questions regarding these requirements, contact the SLOAPCD Engineering & Compliance Division at (805) 781-5912.
- o. The contractor or builder shall designate a person or persons to monitor the fugitive dust emissions and enhance the implementation of the measures as necessary to minimize dust complaints, reduce visible emissions below 20% opacity, and to prevent transport of dust offsite. Their duties shall include holidays and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the SLOAPCD Compliance Division prior to the start of any grading, earthwork or demolition.
- p. When applicable, portable equipment, 50 horsepower (hp) or greater, used during construction activities shall be registered with the California statewide portable equipment registration program (issued by the California Air Resources Board) or be permitted by the APCD. Such equipment may include: power screens, conveyors, internal combustion engines, crushers, portable generators, tub grinders, trammel screens, and portable plants (e.g, aggregate plant, asphalt plant, concrete plant). For more information, contact the SLOAPCD Engineering & Compliance Division at (805) 781-5912.

Significance After Mitigation

With implementation of Mitigation Measure AQ-1, overall emissions of fugitive dust would be reduced by approximately 50 to 60 percent. These measures would also help to ensure compliance with SLOAPCD's 20-percent opacity limit (APCD Rule 401), nuisance rule (APCD Rule 402), and would minimize potential nuisance impacts to nearby receptors. With the use of low-VOC content paints, maximum daily construction-generated emissions of ROG+NO_x would total approximately 65 lbs/day. Mitigated emissions of ROG+NO_x would not exceed SLOAPCD's daily significance threshold of 137 lbs/day. With mitigation, this impact would be considered *less than significant*.

Table 9
Daily Construction Emissions With Mitigation

Construction Activity	Construction Year	Daily Emissions (lbs)	
		ROG+NO _x	Exhaust PM ₁₀
Site Preparation	2019	20.2	1.0
Grading/Excavation	2019	26.0	0.8
Building Construction	2019-2020	65.0	2.7
Paving	2020	9.8	0.5
Architectural Coating	2020	27.1	0.1
<i>SLOAPCD Significance Thresholds</i>		<i>137</i>	<i>7</i>
Maximum Daily Emissions-Year 2020		101.9	3.3
Exceed SLOAPCD Thresholds?		No	No
<i>Maximum Daily Emissions: Assumes that building construction, paving, and application of architectural coatings could potentially occur simultaneously on any given day. Totals may not sum due to rounding. Refer to Appendix B for modeling assumptions and results.</i>			

Long-term Operational Emissions

Long-term operational emissions associated with the proposed project would be predominantly associated with mobile sources. To a lesser extent, emissions associated with area sources, such as landscape maintenance activities, as well as, use of electricity and natural gas would also contribute to increased operational emissions.

Unmitigated operational emissions associated with operation of the proposed project are summarized in Table 10. As depicted, maximum daily operational emissions would total approximately 10.5 lbs/day ROG+NO_x, 13.3 lbs/day CO, 2.3 lbs/day of fugitive PM₁₀, and 0.1 lbs/day of exhaust PM₁₀. Maximum annual emissions would total approximately 1.9 tons/year of ROG+NO_x and approximately 0.4 tons/year of fugitive PM₁₀. Operational emissions associated with

the proposed project would not exceed SLOAPCD significance thresholds. As a result, this impact would be considered *less than significant*.

Table 10
Operational Emissions Without Mitigation

Operational Period/Source	Emissions						
	ROG	NO _x	ROG+NO _x	CO	PM ₁₀		
					Fugitive	Exhaust	Total
Daily Emissions (lbs/day)							
Summer Conditions	4.8	5.7	10.5	12.7	2.3	0.1	2.4
Winter Conditions	1.2	5.9	7.2	13.3	2.3	0.1	2.4
SLOAPCD Significance Thresholds	--	--	25	550	25	1.25	--
Exceeds SLOAPCD Thresholds?	--	--	No	No	No	No	--
Annual Emissions (tons/year)							
Total Project Emissions	0.9	1.0	1.9	2.3	0.4	0.0	0.4
SLOAPCD Significance Thresholds	--	--	25	--	25	--	--
Exceeds SLOAPCD Thresholds?	--	--	No	--	No	--	--
Based on year 2020 operational conditions. Totals may not sum due to rounding. Refer to Appendix B for modeling output files and assumptions.							

Impact AQ-D. Would the project expose sensitive receptors to substantial pollutant concentrations?

Localized air quality impacts would be primarily associated with the project's contribution to localized mobile-source CO concentrations, as well as, exposure to construction-generated emissions. Potential localized air quality impacts are discussed, as follows:

Localized CO Concentrations

Localized concentrations of CO are of primary concern in areas located near congested roadway intersections. Of particular concern are signalized intersections that are projected to operate at unacceptable levels of service (LOS) E or F (Caltrans 1996). Based on the traffic analysis prepared for this project, the proposed project would not result in or contribute to unacceptable levels of service (i.e., LOS E or F) at signalized intersections. In addition, the proposed project would not result in emissions of CO in excess of the SLOAPCD's significance threshold of 550 lbs/day. This impact is considered *less than significant*.

Naturally-Occurring Asbestos

Naturally Occurring Asbestos (NOA) has been identified as a toxic air contaminant by the ARB. In accordance with ARB Air Toxics Control Measure (ATCM), prior to any grading activities a geologic evaluation should be conducted to determine if NOA is present within the area that will be disturbed. If NOA is not present, an exemption request form, along with a copy of the geologic report, must be filed with the SLOAPCD. If NOA is found at the site, the applicant must comply with all requirements outlined in the Asbestos ATCM.

Based on a review of the SLOAPCD's map depicting potential areas of NOA, the project site is not located in or near an area that has been identified as having a potential for NOA (Refer to Appendix B). As a result, this impact is considered *less than significant*.

Localized PM Concentrations

Implementation of the proposed project would result in the generation of fugitive PM emitted during construction. Fugitive PM emissions would be primarily associated with earth-moving, demolition, and material handling activities, as well as, vehicle travel on unpaved and paved surfaces. Onsite off-road equipment and trucks would also result in short-term emissions of diesel-exhaust PM (DPM). If uncontrolled, localized concentrations of PM could exceed air quality standards and may also result in increased nuisance impacts to nearby land uses and receptors. This impact is considered *potentially significant*.

Mitigation Measures

AQ-2: The following measures shall be implemented to reduce exposure of sensitive receptors to substantial pollutant concentrations. These measures shall be shown on grading and building plans:

- a. Implement Mitigation Measure AQ-1, as identified in “Impact AQ-C”, above.
- b. Prior to any grading activities a geologic evaluation shall be conducted to determine if naturally-occurring asbestos (NOA) is present within the area that will be disturbed. If NOA is not present, an exemption request must be filed with the SLOAPCD. If NOA is found at the site, the applicant must comply with all requirements outlined in the Asbestos ATCM. These requirements may include but are not limited to:
 1. Development of an Asbestos Dust Mitigation Plan which must be approved by the SLOAPCD before operations begin, and,
 2. Development and approval of an Asbestos Health and Safety Program (required for some projects).

If NOA is not present, an exemption request must be filed with the SLOAPCD. More information on NOA can be found at <http://www.slocleanair.org/rules-regulations/asbestos/noa.php>.

- c. On-road diesel vehicles shall comply with Section 2485 of Title 13 of the California Code of Regulations. This regulation limits idling from diesel-fueled commercial motor vehicles with gross vehicular weight ratings of more than 10,000 pounds and licensed for operation on highways. It applies to California and non-California based vehicles. In general, the regulation specifies that drivers of said vehicles:
 - 1) Shall not idle the vehicle’s primary diesel engine for greater than 5 minutes at any location, except as noted in Subsection (d) of the regulation; and,
 - 2) Shall not operate a diesel-fueled auxiliary power system to power a heater, air conditioner, or any ancillary equipment on that vehicle during sleeping or resting in a sleeper berth for greater than 5.0 minutes at any location when within 1,000 feet of a restricted area, except as noted in Subsection (d) of the regulation.
- d. Maintain all construction equipment in proper tune according to manufacturer’s specifications;
- e. Fuel all off-road and portable diesel-powered equipment with ARB certified motor vehicle diesel fuel (non-taxed version suitable for use off-road);
- f. Use diesel construction equipment meeting ARB’s Tier 2 certified engines or cleaner off-road heavy-duty diesel engines, and comply with the State Off-Road Regulation;
- g. Idling of all on and off-road diesel-fueled vehicles shall not be permitted when not in use. Signs shall be posted in the designated queuing areas and or job site to remind drivers and operators of the no idling limitation.
- h. Electrify equipment when possible;
- i. Substitute gasoline-powered in place of diesel-powered equipment, when available; and,
- j. Use alternatively fueled construction equipment on-site when available, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane or biodiesel.

Significance After Mitigation

Mitigation Measure AQ-1 includes measures for the control of fugitive dust emitted during project construction. Mitigation Measures AQ-2,b has been included for the control of potential emissions of naturally-occurring asbestos and to ensure compliance with applicable regulatory requirements. Mitigation Measures AQ-2,c through AQ-2,j include additional provisions for reducing emissions of DPM from onsite mobile sources. With implementation of Mitigation Measure AQ-1 and AQ-2, this impact would be considered *less than significant*.

Impact AQ-E. Would the project result in other emissions (such as odors or dust) adversely affecting a substantial number of people?

The proposed project would not result in the installation of any equipment or processes that would be considered major odor-emission sources. However, construction of the proposed project would involve the use of a variety of gasoline or diesel-powered equipment that would emit exhaust fumes. Exhaust fumes, particularly diesel-exhaust, may be considered objectionable by some people. In addition, pavement coatings and architectural coatings used during project construction would also emit temporary odors. However, construction-generated emissions would occur intermittently throughout the workday and would dissipate rapidly with increasing distance from the source. As a result, short-term construction activities would not expose a substantial number of people to frequent odorous emissions. For these reasons, potential exposure of sensitive receptors to odorous emissions would be considered *less than significant*.

GREENHOUSE GASES AND CLIMATE CHANGE

SETTING

To fully understand global climate change, it is important to recognize the naturally occurring “greenhouse effect” and to define the GHGs that contribute to this phenomenon. Various gases in the earth’s atmosphere, classified as atmospheric GHGs, play a critical role in determining the earth’s surface temperature. Solar radiation enters the earth’s atmosphere from space and a portion of the radiation is absorbed by the earth’s surface. The earth emits this radiation back toward space, but the properties of the radiation change from high-frequency solar radiation to lower-frequency infrared radiation. GHGs, which are transparent to solar radiation, are effective in absorbing infrared radiation. As a result, this radiation that otherwise would have escaped back into space is now retained, resulting in a warming of the atmosphere. This phenomenon is known as the greenhouse effect. Among the prominent GHGs contributing to the greenhouse effect are carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. Primary GHGs attributed to global climate change, are discussed, as follows:

- **Carbon Dioxide.** Carbon dioxide (CO₂) is a colorless, odorless gas. CO₂ is emitted in a number of ways, both naturally and through human activities. The largest source of CO₂ emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, industrial facilities, and other sources. A number of specialized industrial production processes and product uses such as mineral production, metal production, and the use of petroleum-based products can also lead to CO₂ emissions. The atmospheric lifetime of CO₂ is variable because it is so readily exchanged in the atmosphere (U.S. EPA 2016).
- **Methane.** Methane (CH₄) is a colorless, odorless gas that is not flammable under most circumstances. CH₄ is the major component of natural gas, about 87% by volume. It is also formed and released to the atmosphere by biological processes occurring in anaerobic environments. Methane is emitted from a variety of both human-related and natural sources. Human-related sources include fossil fuel production, animal husbandry (enteric fermentation in livestock and manure management), rice cultivation, biomass burning, and waste management. These activities release significant quantities of methane to the atmosphere. Natural sources of methane include wetlands, gas hydrates, permafrost, termites, oceans, freshwater bodies, non-wetland soils, and other sources such as wildfires. Methane’s atmospheric lifetime is about 12 years (U.S. EPA 2016).
- **Nitrous Oxide.** Nitrous oxide (N₂O) is a clear, colorless gas with a slightly sweet odor. N₂O is produced by both natural and human-related sources. Primary human-related sources of N₂O are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, adipic acid production, and nitric acid production. N₂O is also produced naturally from a wide variety of biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N₂O is approximately 120 years (U.S. EPA 2016).
- **Fluorinated Gases.** Hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride are man-made chemicals, many of which have been developed as alternatives to ozone-depleting substances for industrial, commercial, and consumer products. The only significant emissions of HFCs before 1990 were of the chemical HFC-23, which is generated as a byproduct of the production of HCFC-22 (or Freon 22, used in air conditioning applications). The atmospheric lifetime for HFCs varies from just over a year for HFC-152a to 260 years for HFC-23. Most of the commercially used HFCs have atmospheric lifetimes of less than 15 years (e.g., HFC-134a, which is used in automobile air conditioning and refrigeration, has an atmospheric life of 14 years) (U.S. EPA 2016).
- **Black Carbon.** Black carbon has been recently identified as a major contributor to climate change. Black carbon is the most strongly light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. Black carbon contributes to climate change both directly by absorbing sunlight and indirectly by depositing on snow and by interacting with clouds and affecting cloud formation. Black carbon is considered a short-lived species, which can vary spatially and, consequently, it is very difficult to quantify associated global-warming potentials. The main sources of black carbon in California are

wildfires, diesel-fueled on-road and off-road vehicles, fireplaces, agricultural waste burning, and prescribed burning (planned burns of forest or wildlands). California has been an international leader in reducing emissions of black carbon, with close to 95 percent control expected by 2020 due to existing programs that target reducing PM from diesel engines and burning activities (ARB 2015a).

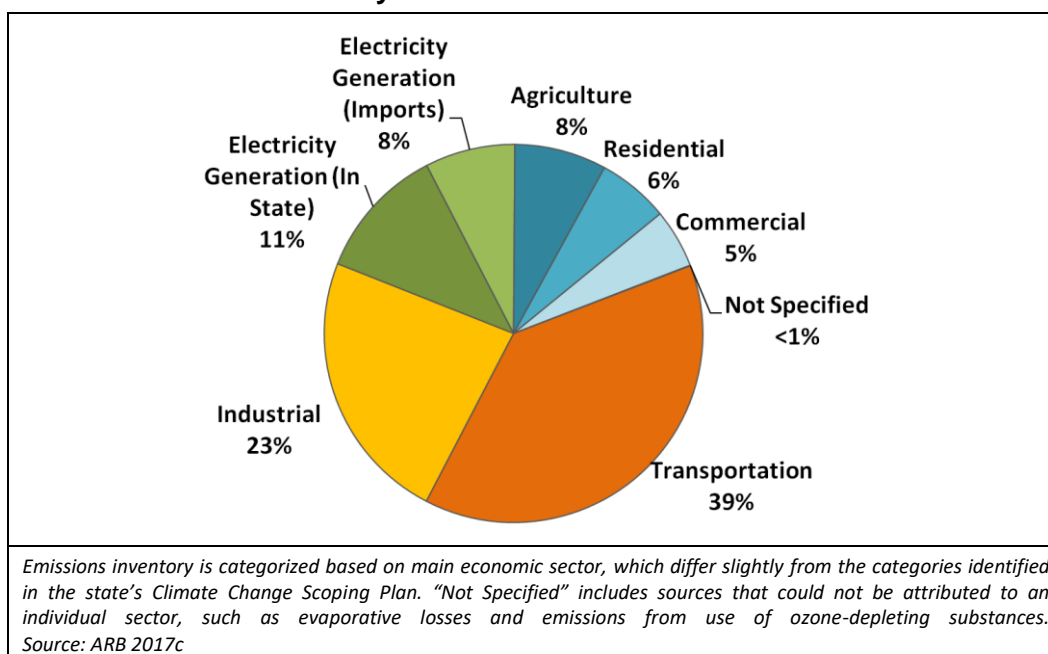
Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. Gases with high global warming potential, such as HFCs, PFCs, and SF₆, are the most heat-absorbent. Over a 100-year timeframe, CH₄ traps over 28 times more heat per molecule than CO₂, and N₂O absorbs approximately 265 times more heat per molecule than CO₂. Often, estimates of GHG emissions are presented in carbon dioxide equivalents (CO₂e), which weight each gas by its global warming potential. Expressing GHG emissions in carbon dioxide equivalents takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only CO₂ were being emitted (EPA 2016).

SOURCES OF GHG EMISSIONS

On a global scale, GHG emissions are predominantly associated with activities related to energy production; changes in land use, such as deforestation and land clearing; industrial sources; agricultural activities; transportation; waste and wastewater generation; and commercial and residential land uses. World-wide, energy production including the burning of coal, natural gas, and oil for electricity and heat is the largest single source of global GHG emissions (U.S. EPA 2016).

In 2015, GHG emissions within California totaled 440.4 million metric tons of carbon dioxide equivalents (MMTCO₂e). Within California, the transportation sector is the largest contributor, accounting for roughly 39 percent of the total state-wide GHG emissions. Emissions associated with the industrial sector are the second largest contributor, totaling approximately 23 percent. Emissions from in-state electricity generation, imported electricity, agriculture, residential, and commercial uses constitute the remaining major sources on GHG emissions. The State of California GHG emissions inventory for year 2015, by main economic sector, is depicted in Figure 2.

Figure 2
State of California Greenhouse Gases Emissions Inventory
by Main Economic Sector



EFFECTS OF GLOBAL CLIMATE CHANGE

There are uncertainties as to exactly what the climate changes will be in various local areas of the earth. There are also uncertainties associated with the magnitude and timing of other consequences of a warmer planet: sea level rise, spread of certain diseases out of their usual geographic range, the effect on agricultural production, water supply, sustainability of ecosystems, increased strength and frequency of storms, extreme heat events, increased air pollution episodes, and the consequence of these effects on the economy.

Within California, climate changes would likely alter the ecological characteristics of many ecosystems throughout the state. Such alterations would likely include increases in surface temperatures and changes in the form, timing, and intensity of precipitation. For instance, historical records are depicting an increasing trend toward earlier snowmelt in the Sierra Nevada. This snow pack is a principal supply of water for the state, providing roughly 50 percent of state's annual runoff. If this trend continues, some areas of the state may experience an increased danger of floods during the winter months and possible exhaustion of the snowpack during spring and summer months. An earlier snowmelt would also impact the State's energy resources. Currently, approximately 20 percent of California's electricity comes from hydropower. An early exhaustion of the Sierra snowpack, may force electricity producers to switch to more costly or non-renewable forms of electricity generation during spring and summer months. A changing climate may also impact agricultural crop yields, coastal structures, and biodiversity. As a result, resultant changes in climate will likely have detrimental effects on some of California's largest industries, including agriculture, wine, tourism, skiing, recreational and commercial fishing, and forestry.

REGULATORY FRAMEWORK

FEDERAL

Executive Order 13514 (October 5, 2009): This order is focused on reducing GHGs internally in federal agency missions, programs and operations, but also directs federal agencies to participate in the Interagency Climate Change Adaptation Task Force, which is engaged in developing a national strategy for adaptation to climate change.

U.S. EPA's authority to regulate GHG emissions stems from the U.S. Supreme Court decision in *Massachusetts v. EPA* (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Clean Air Act and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court's ruling, U.S. EPA finalized an endangerment finding in December 2009. Based on scientific evidence it found that six GHGs constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing Act and U.S. EPA's assessment of the scientific evidence that form the basis for EPA's regulatory actions. U.S. EPA in conjunction with NHTSA issued the first of a series of GHG emission standards for new cars and light-duty vehicles in April 2010.

The U.S. EPA and the National Highway Traffic Safety Administration (NHTSA) are taking coordinated steps to enable the production of a new generation of clean vehicles with reduced GHG emissions and improved fuel efficiency from on-road vehicles and engines. These next steps include developing the first-ever GHG regulations for heavy-duty engines and vehicles, as well as additional light-duty vehicle GHG regulations.

The final combined standards that made up the first phase of this national program apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. The standards implemented by this program are expected to reduce GHG emissions by an estimated 960 million metric tons (MMT) and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016).

On August 28, 2012, U.S. EPA and NHTSA issued a joint Final Rulemaking to extend the National Program for fuel economy standards to model year 2017 through 2025 passenger vehicles. Over the lifetime of the model year 2017-2025 standards this program is projected to save approximately four billion barrels of oil and two billion metric tons of GHG emissions.

The complementary U.S. EPA and NHTSA standards that make up the Heavy-Duty National Program apply to combination tractors (semi-trucks), heavy-duty pickup trucks and vans, and vocational vehicles (including buses and refuse or utility trucks). Together, these standards will cut GHG emissions and domestic oil use significantly. This program responds to President Barack Obama's 2010 request to jointly establish GHG emissions and fuel efficiency standards for the medium- and heavy-duty highway vehicle sector. The agencies estimate that the combined standards will reduce CO₂ emissions by about 270 MMT and save about 530 million barrels of oil over the life of model year 2014 to 2018 heavy duty vehicles.

STATE

Assembly Bill 1493

AB 1493 (Pavley) of 2002 (Health and Safety Code Sections 42823 and 43018.5) requires the ARB to develop and adopt the nation's first GHG emission standards for automobiles. These standards are also known as Pavley I. The California Legislature declared in AB 1493 that global warming is a matter of increasing concern for public health and the environment. It cites several risks that California faces from climate change, including a reduction in the state's water supply, an increase in air pollution caused by higher temperatures, harm to agriculture, an increase in wildfires, damage to the coastline, and economic losses caused by higher food, water, energy, and insurance prices. The bill also states that technological solutions to reduce GHG emissions would stimulate California's economy and provide jobs. In 2004, the State of California submitted a request for a waiver from federal clean air regulations, as the State is authorized to do under the Clean Air Act, to allow the State to require reduced tailpipe emissions of CO₂. In late 2007, the U.S. EPA denied California's waiver request and declined to promulgate adequate federal regulations limiting GHG emissions. In early 2008, the State brought suit against the U.S. EPA related to this denial.

In January 2009, President Obama instructed the U.S. EPA to reconsider the Bush Administration's denial of California's and 13 other states' requests to implement global warming pollution standards for cars and trucks. In June 2009, the U.S. EPA granted California's waiver request, enabling the State to enforce its GHG emissions standards for new motor vehicles beginning with the current model year.

Also in 2009, President Obama announced a national policy aimed at both increasing fuel economy and reducing GHG pollution for all new cars and trucks sold in the US. The new standards would cover model years 2012 to 2016 and would raise passenger vehicle fuel economy to a fleet average of 35.5 miles per gallon by 2016. When the national program takes effect, California has committed to allowing automakers who show compliance with the national program to also be deemed in compliance with state requirements. California is committed to further strengthening these standards beginning in 2017 to obtain a 45 percent GHG reduction from the 2020 model year vehicles.

Executive Order No. S-3-05

Executive Order S-3-05 (State of California) proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce the Sierra's snowpack, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the Executive Order established total GHG emission targets. Specifically, emissions are to be reduced to the 2000 level by 2010, to the 1990 level by 2020, and to 80 percent below the 1990 level by 2050.

The Executive Order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. The secretary will also submit biannual reports to the governor and state legislature describing (1) progress made toward reaching the emission targets, (2) impacts of global warming on California's resources, and (3) mitigation and adaptation plans to combat these impacts. To comply with the Executive Order, the secretary of CalEPA created a Climate Action Team made up of members from various state agencies and commissions. The Climate Action Team released its first report in March 2006 and continues to release periodic reports on progress. The report proposed to achieve the targets by building on voluntary actions of California businesses, local government and community actions, as well as through state incentive and regulatory programs.

Assembly Bill 32 - California Global Warming Solutions Act of 2006

AB 32 (Health and Safety Code Sections 38500, 38501, 28510, 38530, 38550, 38560, 38561–38565, 38570, 38571, 38574, 38580, 38590, 38592–38599) requires that statewide GHG emissions be reduced to 1990 levels by the year 2020. The gases that are regulated by AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, nitrogen trifluoride, and sulfur hexafluoride. The reduction to 1990 levels will be accomplished through an enforceable statewide cap on GHG emissions that will be phased in starting in 2012. To effectively implement the cap, AB 32 directs ARB to develop and implement regulations to reduce statewide GHG emissions from stationary sources. AB 32 specifies that regulations adopted in response to AB 1493 should be used to address GHG emissions from vehicles. However, AB 32 also includes language stating that if the AB 1493 regulations cannot be implemented, then ARB should develop new regulations to control vehicle GHG emissions under the authorization of AB 32.

AB 32 requires that ARB adopt a quantified cap on GHG emissions representing 1990 emissions levels and disclose how it arrives at the cap, institute a schedule to meet the emissions cap, and develop tracking, reporting, and enforcement mechanisms to ensure that the state achieves reductions in GHG emissions necessary to meet the cap. AB 32 also includes guidance to institute emissions reductions in an economically efficient manner and conditions to ensure that businesses and consumers are not unfairly affected by the reductions.

Climate Change Scoping Plan

In October 2008, ARB published its *Climate Change Proposed Scoping Plan*, which is the State's plan to achieve GHG reductions in California required by AB 32. This initial Scoping Plan contained the main strategies to be implemented in order to achieve the target emission levels identified in AB 32. The Scoping Plan included ARB-recommended GHG reductions for each emissions sector of the state's GHG inventory. The largest proposed GHG reduction recommendations were associated with improving emissions standards for light-duty vehicles, implementation of the Low Carbon Fuel Standard program, energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems, and a renewable portfolio standard for electricity production.

A key component of the Scoping Plan is the Renewable Portfolio Standard, which is intended to increase the percentage of renewables in California's electricity mix to 33 percent by year 2020, resulting in a reduction of 21.3 MMTCO₂e. Sources of renewable energy include, but are not limited to, biomass, wind, solar, geothermal, hydroelectric, and anaerobic digestion. Increasing the use of renewables will decrease California's reliance on fossil fuels, thus reducing GHG emissions.

The Scoping Plan states that land use planning and urban growth decisions will play important roles in the state's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions. ARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that will result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emissions sectors. With regard to land use planning, the Scoping Plan expects approximately 5.0 MMTCO₂e will be achieved associated with implementation of Senate Bill 375, which is discussed further below.

The initial Scoping Plan was first approved by ARB on December 11, 2008 and is updated every five years. The first update of the Scoping Plan was approved by the ARB on May 22, 2014, which looked past 2020 to set mid-term goals (2030-2035) on the road to reaching the 2050 goals. ARB is moving forward with a second update to the Scoping Plan to reflect the 2030 target established in SB 32 and EO B-30-15.

Senate Bill 1368

Senate Bill (SB) 1368 (codified at Public Utilities Code Chapter 3) is the companion bill of AB 32. SB 1368 required the California Public Utilities Commission (CPUC) to establish a GHG emissions performance standard for baseload generation from investor-owned utilities by February 1, 2007. The bill also required the California Energy Commission (CEC) to establish a similar standard for local publicly owned utilities by June 30, 2007. These standards cannot exceed

the GHG emission rate from a baseload combined-cycle natural-gas-fired plant. The legislation further requires that all electricity provided to California, including imported electricity, must be generated from plants that meet the standards set by the CPUC and the CEC.

Senate Bill 1078 and Governor's Order S-14-08 (California Renewables Portfolio Standards)

Senate Bill 1078 (Public Utilities Code Sections 387, 390.1, 399.25 and Article 16) addresses electricity supply and requires that retail sellers of electricity, including investor-owned utilities and community choice aggregators, provide a minimum 20 percent of their supply from renewable sources by 2017. This Senate Bill will affect statewide GHG emissions associated with electricity generation. In 2008, Governor Schwarzenegger signed Executive Order S-14-08, which set the Renewables Portfolio Standard target to 33 percent by 2020. It directed state government agencies and retail sellers of electricity to take all appropriate actions to implement this target. Executive Order S-14-08 was later superseded by Executive Order S-21-09 on September 15, 2009. Executive Order S-21-09 directed the ARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. This Executive Order was superseded by statute SB X1-2 in 2011, which obligates all California electricity providers, including investor-owned utilities and publicly owned utilities, to obtain at least 33 percent of their energy from renewable electrical generation facilities by 2020, with interim targets of 20 percent by 2013 and 25 percent by 2016.

ARB is required by current law, AB 32 of 2006, to regulate sources of GHGs to meet a state goal of reducing GHG emissions to 1990 levels by 2020 and an 80 percent reduction of 1990 levels by 2050. The CEC and CPUC serve in advisory roles to help ARB develop the regulations to administer the 33 percent by 2020 requirement. ARB is also authorized to increase the target and accelerate and expand the time frame.

Mandatory Reporting of GHG Emissions

Reporting of GHGs by major sources is required by the California Global Warming Solutions Act (AB 32, 2006). Revisions to the existing ARB mandatory GHG reporting regulation were considered at the board hearing on December 16, 2010. The revised regulation was approved by the California Office of Administrative Law and became effective on January 1, 2012. The revised regulation affects industrial facilities, suppliers of transportation fuels, natural gas, natural gas liquids, liquefied petroleum gas, and carbon dioxide, operators of petroleum and natural gas systems, and electricity retail providers and marketers.

Cap-and-Trade Regulation

The cap-and-trade regulation is a key element in California's climate plan. It sets a statewide limit on sources responsible for 85 percent of California's GHGs, and establishes a price signal needed to drive long-term investment in cleaner fuels and more efficient use of energy. The cap-and-trade rules came into effect on January 1, 2013 and apply to large electric power plants and large industrial plants. In 2015, they will extend to fuel distributors (including distributors of heating and transportation fuels). At that stage, the program will encompass around 360 businesses throughout California and nearly 85 percent of the state's total GHG emissions.

Under the cap-and-trade regulation, companies must hold enough emission allowances to cover their emissions, and are free to buy and sell allowances on the open market. California held its first auction of GHG allowances on November 14, 2012. California's GHG cap-and-trade system will reduce GHG emissions from regulated entities by approximately 16 percent, or more, by 2020.

CALIFORNIA BUILDING CODE

The California Building Code contains standards that regulate the method of use, properties, performance, or types of materials used in the construction, alteration, improvement, repair, or rehabilitation of a building or other improvement to real property. The California Building Code is adopted every three years by the Building Standards Commission (BSC). In the interim, the BSC also adopts annual updates to make necessary mid-term corrections. The CBC standards apply statewide; however, a local jurisdiction may amend a CBC standard if it makes a finding that the amendment is reasonably necessary due to local climatic, geological, or topographical conditions.

Green Building Standards

In essence, green buildings standards are indistinguishable from any other building standards. Both are contained in the California Building Code and regulate the construction of new buildings and improvements. The only practical distinction between the two is that whereas the focus of traditional building standards has been protecting public health and safety, the focus of green building standards is to improve environmental performance.

AB 32, which mandates the reduction in GHG emissions in California to 1990 levels by 2020, increased the urgency around the adoption of green building standards. In its scoping plan for the implementation of AB 32, ARB identified energy use as the second largest contributor to California's GHG emissions, constituting roughly 25 percent of all such emissions. In recommending a green building strategy as one element of the scoping plan, ARB estimated that green building standards would reduce GHG emissions by approximately 26 million metric tons of CO₂e (MMTCO₂e) by 2020.

The green buildings standards, commonly referred to as CalGreen standards, were most recently updated in 2013. The 2013 building energy efficiency standards are 25 percent more efficient than previous standards for residential construction and 30 percent more efficient for non-residential construction (CEC 2015).

Senate Bill 32

SB 32 was signed by Governor Brown on September 8, 2016. SB 32 effectively extends California's GHG emission-reduction goals from year 2020 to year 2030. This new emission-reduction target of 40 percent below 1990 levels by 2030 is intended to promote further GHG-reductions in support of the State's ultimate goal of reducing GHG emissions by 80 percent below 1990 levels by 2050. SB 32 also directs the ARB to update the Climate Change Scoping Plan to address this interim 2030 emission-reduction target.

Senate Bill 375 (Sustainable Communities and Climate Protection Act)

SB 375 supports the State's climate action goals to reduce GHG emissions through coordinated transportation and land use planning with the goal of developing more sustainable communities. Under SB 375, ARB sets regional targets for GHG emissions reductions associated with passenger vehicle use. Each of California's metropolitan planning organizations must prepare a "sustainable communities strategy" (SCS) as an integral part of its regional transportation plan (RTP). The SCS contains land use, housing, and transportation strategies that, if implemented, would allow the region to meet its GHG emission reduction targets. The Sustainable Communities Act also establishes incentives to encourage local governments and developers to implement the identified GHG-reduction strategies.

SAN LUIS OBISPO COUNTY AIR POLLUTION CONTROL DISTRICT

The SLOAPCD is a local public agency with the primary mission of realizing and preserving clean air for all county residents and businesses. Responsibilities of the SLOAPCD include, but are not limited to, preparing plans for the attainment of ambient air quality standards, adopting and enforcing rules and regulations concerning sources of air pollution, issuing permits for stationary sources of air pollution, inspecting stationary sources of air pollution and responding to citizen complaints, monitoring ambient air quality and meteorological conditions, and implementing programs and regulations required by federal and state regulatory requirements.

GHG Significance Thresholds

The SLOAPCD has adopted recommended GHG significance thresholds. These thresholds are based on AB 32 GHG emission reduction goals, which take into consideration the emission reduction strategies outlined in ARB's Scoping Plan. The GHG significance thresholds include one qualitative threshold and two quantitative thresholds options for evaluation of operational GHG emissions. The qualitative threshold option is based on a consistency analysis in comparison to a Qualified Greenhouse Gas Reduction Strategy, or equitably similar adopted policies, ordinances and programs. If a project complies with a Qualified Greenhouse Gas Reduction Strategy that is specifically applicable to the project, then the project would be considered to have a less-than-significant impact. The two quantitative threshold options include: 1) a bright-line threshold of 1,150 MTCO₂e/year; and 2) an

efficiency threshold of 4.9 MTCO₂e/service population (residents+employees)/year. An additional GHG significance threshold of 10,000 MTCO₂e/year is proposed for industrial stationary sources. The applicable GHG significance threshold to be used would depend on the type of project being proposed. Projects with GHG emissions that do not exceed the selected threshold would be considered to have a less-than-significant impact and would not conflict with applicable GHG-reduction plans, policies, or regulations. The SLOAPCD's GHG emission thresholds are summarized in Table 11.

Table 11
SLOAPCD Greenhouse Gas Thresholds of Significance

Project	Draft Threshold
Projects other than Stationary Sources	1. Compliance with Qualified GHG Reduction Strategy; or 2. 1,150 MT CO ₂ e/year; or 3. 4.9 MT CO ₂ e/SP/year (residents+employees)
Stationary Sources (Industrial)	10,000 MT CO ₂ e/year
Construction	Amortized over the project life and added to operation GHG emissions
<i>Source: SLOAPCD 2012</i>	

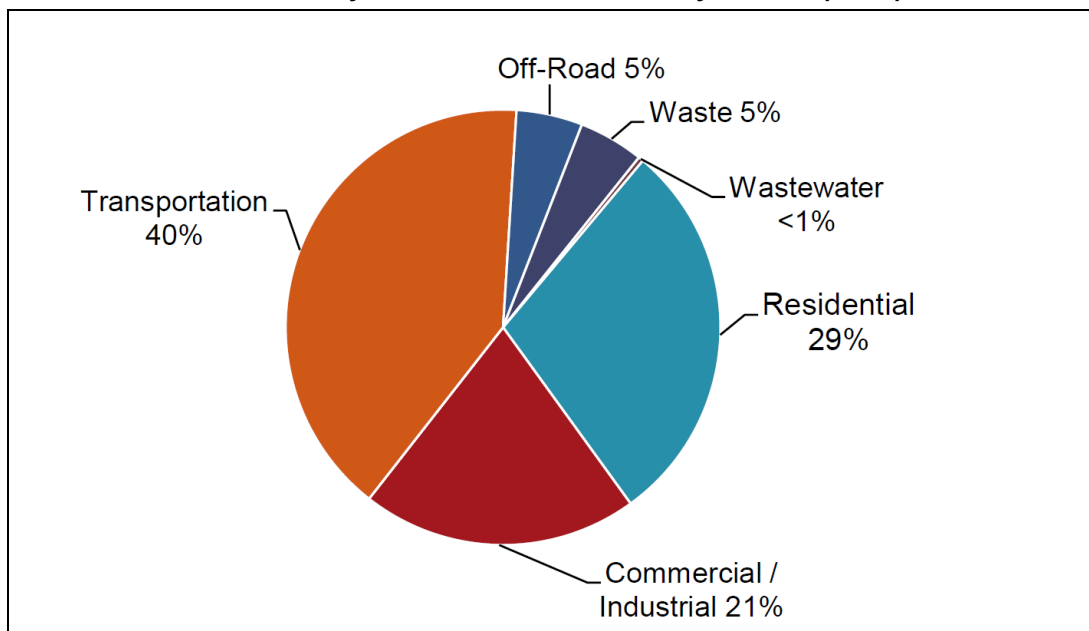
CITY OF MORRO BAY CLIMATE ACTION PLAN

The *City of Morro Bay Climate Action Plan (CAP)* was adopted by the City Council on January 14, 2014. The CAP is a long-range plan to reduce GHG emissions from City government operations and community activities within Morro Bay and prepare for the anticipated effects of climate change. The CAP will also help achieve multiple community goals such as lowering energy costs, reducing air pollution, supporting local economic development, and improving public health and quality of life (City of Morro Bay, 2014).

According to the GHG emissions inventory identified in the CAP, in 2005, the Morro Bay community emitted approximately 169,557 metric tons of carbon dioxide equivalent GHG emissions (MTCO₂e), as a result of activities that took place within the transportation, residential energy use, commercial and industrial energy use, off-road vehicles and equipment, solid waste, aircraft and wastewater sectors. As shown in Figure 3, the largest contributors of GHG emissions were the transportation (40 percent), residential energy use (29 percent) and commercial/industrial energy use (21 percent) sectors. The remainder of emissions resulted from the solid waste (5 percent), off-road vehicles and equipment (5 percent), and wastewater (less than one percent) sectors (City of Morro Bay, 2014).

In accordance with SLOAPCD-recommended significance thresholds, as discussed above, projects that are determined to be consistent with the GHG-reduction plan, or in this case the CAP, would be considered to have a less-than-significant impact. To assist with this determination, the CAP includes a worksheet that identifies various “mandatory”, as well as, “voluntary” measures. All “mandatory” actions must be incorporated as binding and enforceable components of the project to be considered consistent with the CAP. If a project cannot meet one or more of the “mandatory” actions, substitutions may be allowed provided equivalent reductions can be achieved. In addition, to demonstrate consistency with the CAP, all required measures must be incorporated as binding and enforceable components of the project.

Figure 3
City of Morro Bay
Community-wide GHG Emissions by Sector (2005)



City of Morro Bay, 2014

IMPACT ANALYSIS

METHODOLOGY

The methodologies used for quantification of GHG emissions are consistent with those discussed earlier in this report for the quantification of criteria air pollutants. Modeling assumptions and output files are included in Appendix B of this report.

THRESHOLDS OF SIGNIFICANCE

In accordance with SLOAPCD recommended significance thresholds, the proposed project would be considered to have a less-than-significant impact on the environment if project-generated GHG emissions would not exceed 1,150 MTCO₂e/year. Alternatively, projects that are deemed to be consistent with the GHG-reduction measures identified in an approved CAP, in this case the *City of Morro Bay CAP*, would also be considered to have a less-than-significant impact. The *City of Morro Bay CAP* includes a “Consistency Worksheet”, which identifies various mandatory and voluntary measures designed to reduce project-related GHG emissions. The *CAP Consistency Worksheet* can be used to demonstrate project-level compliance with the CAP. Increases in project-generated GHG emissions and consistency with the *City of Morro Bay CAP* would be considered potentially significant if the proposed project does not incorporate, at a minimum, the mandatory GHG-reduction measures, as identified in the *CAP Consistency Worksheet*.

PROJECT IMPACTS AND MITIGATION MEASURES

Impact GHG-A. *Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? and*

Impact GHG-B. *Would the project conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?*

Estimated GHG emissions attributable to future development would be primarily associated with increases of CO₂ from mobile sources. To a lesser extent, other GHG pollutants, such as CH₄ and N₂O, would also be generated. Short-term and long-term GHG emissions associated with the development of the proposed project are discussed in greater detail, as follows:

Short-term Construction GHG Emissions

Estimated increases in GHG emissions associated with construction of the proposed project are summarized in Table 12. Based on the modeling conducted, construction-related GHG emissions would total approximately 443 MTCO_{2e}. Amortized GHG emissions, when averaged over the assumed 25-year life of the project, would total approximately 15 MTCO_{2e}/year. There would also be a small amount of GHG emissions from waste generated during construction; however, this amount is speculative. Actual emissions may vary, depending on the final construction schedules, equipment required, and activities conducted.

Table 12
Construction-Generated GHG Emissions Without Mitigation

Construction Year	GHG Emissions (MTCO _{2e} /Year)
2019	121
2020	322
Construction Total:	443
Amortized Construction Emissions:	15
<i>Amortized emissions are quantified based on an estimated 30-year project life. Refer to Appendix B for modeling assumptions and results.</i>	

Long-term Operational GHG Emissions

Estimated long-term increases in GHG emissions associated with the proposed project are summarized in Table 13. As depicted, operational GHG emissions for the proposed project, with the inclusion of amortized construction GHGs, would total approximately 852 MTCO_{2e}/year during the initial year of full operation (year 2020). Operational GHG emissions would decrease slightly in future years to approximately 699 MTCO_{2e}/year in 2030. A majority of the operational GHG emissions would be associated with energy use and the operation of motor vehicles. To a lesser extent, GHG emissions would also be associated with solid waste generation and water use.

Based on the modeling conducted, net increases in GHG emissions would not exceed the SLOAPCD's significance threshold of 1,150 MTCO_{2e}/year. As a result, net increases in project-generated GHG emissions would not be anticipated to have a significant impact on the environment. This impact would be considered *less than significant*.

Table 13
Operational GHG Emissions Without Mitigation

Operational Year/Source	GHG Emissions (MTCO ₂ e/Year)
Buildout Year 2020	
Energy Use ²	396.2
Motor Vehicles	424.8
Waste Generation	11.4
Water Use and Conveyance	4.4
Amortized Construction Emissions:	15
Total with Amortized Construction Emissions:	852
SLOAPCD Significance Threshold:	1,150
Exceeds Significance Threshold?	Yes
Year 2030	
Energy Use ²	361.9
Motor Vehicles	312.3
Waste Generation	5.7
Water Use and Conveyance	3.9
Amortized Construction Emissions:	15
Total with Amortized Construction Emissions:	699
SLOAPCD Significance Threshold:	1,150
Exceeds Significance Threshold?	Yes
1. Area source includes emissions associated with the application of architectural coatings, use of consumer products/agricultural products, and landscape maintenance. 2. Includes adjustment for California Renewable Portfolio Standards requirements. Does not include installation of onsite photovoltaic energy system (pending final design), which is estimated to reduce onsite energy use by roughly 20 to 25 percent. Refer to Appendix B for modeling assumptions and results.	

Mitigation Measures

GHG-1:

a. The proposed project shall implement the following GHG-reduction measures, consistent with the “mandatory” measures identified in the City’s CAP:

1. The project shall install high efficiency lights (i.e., sodium, light-emitting diode [LED]) in parking lots, streets, and other public areas. (CAP Measure E-5).
2. The project shall provide on-site bicycle parking and/or amenities in accordance with the California Green Building Standards Code and related facilities to support long-term use (lockers, or a locked room with standard racks and access limited to bicyclists only). (CAP Measure TL-1)
3. The project shall incorporate a pedestrian access network that internally links all uses and connects all existing or planned external streets and pedestrian facilities contiguous with the project site. (CAP Measure TL-2)
4. The project shall be designed to minimize barriers to pedestrian access and interconnectivity. (CAP Measure TL-2)
5. The project shall incorporate traffic calming improvements as appropriate (e.g., marked crosswalks, count-down signal timers, curb extensions, speed tables, raised crosswalks, median islands, mini-circles, tight corner radii, etc.). (CAP Measure TL-2)
6. Six percent of construction vehicles and equipment shall be electrically-powered or use alternative fuels such as compressed natural gas. (CAP Measure O-1)

7. Idling of all on and off-road diesel-fueled vehicles shall not be permitted when not in use. Signs shall be posted in the designated queuing areas and or job site to remind drivers and operators of the no idling limitation. (CAP Measure O-1)
- b. The following additional GHG-reduction measures shall also be implemented, beyond the “mandatory” measures required by the City’s CAP:
1. Trees to be planted shall be native and drought tolerant, beyond those required as mitigation for tree removal. (CAP Measure T-1)
 2. Install occupancy sensors in hotel guest rooms that reduce energy usage when rooms are not occupied.
 3. To the extent available, install energy-efficient (e.g., EnergyStar rated) appliances. (Refer to: <https://www.energystar.gov/products>).
 4. Provide a designated parking space for an alternatively-fueled vehicle.
 5. The project shall be designed to provide for the future installation of an electric-vehicle charging station.
 6. The project shall be designed for the future installation of renewable/photovoltaic energy systems.
 7. To the extent allowed by code, utilize roofing materials that have a high-solar-reflectance index. (Refer to: <https://www.epa.gov/sites/production/files/2014-06/documents/coolroofscompendium.pdf>).

Significance After Mitigation

As discussed earlier in this report, the *City of Morro Bay CAP* is a long-range plan to reduce GHG emissions from City government operations and community activities within Morro Bay and prepare for the anticipated effects of climate change. The CAP will also help achieve multiple community goals such as lowering energy costs, reducing air pollution, supporting local economic development, and improving public health and quality of life. To help achieve these goals, the CAP includes a “Consistency Worksheet”, which identifies various mandatory and voluntary actions designed to reduce GHG emissions.

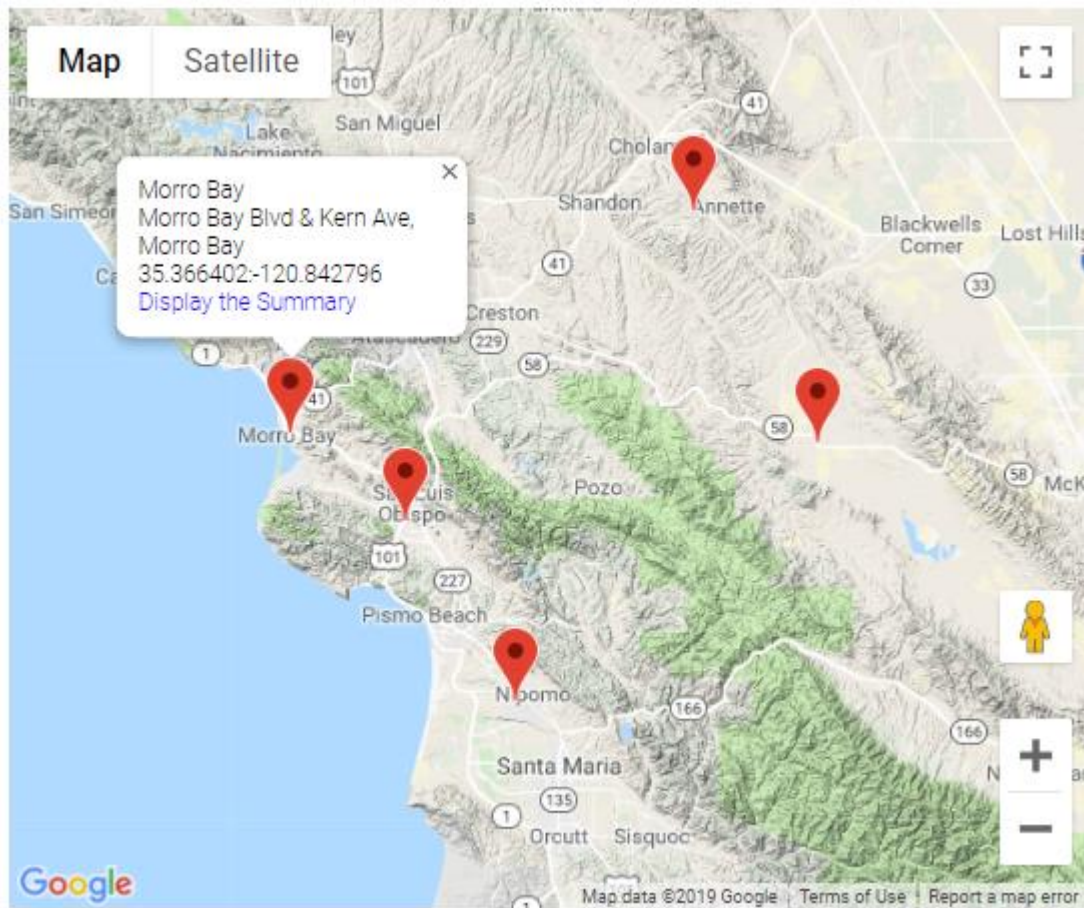
Mitigation Measure GHG-1,a includes all “mandatory” GHG-reduction measures, as identified in the City’s CAP. Mitigation Measure GHG-1,b includes additional measures, beyond those required by the City’s CAP, which would further reduce GHG-emissions. These additional measures include providing a designated parking space for alternatively fueled vehicles, installation of energy-efficient appliances, the installation of occupancy sensors in hotel guest rooms to reduce energy use when rooms are not occupied, designing the project site for the future installation of renewable/photovoltaic energy systems, and the use of roofing materials that have a high-solar-reflectance index.

With mitigation, which incorporates GHG-reduction measures beyond the applicable “mandatory” measures, the proposed project would be considered consistent with the City’s CAP. As previously noted and in accordance with SLOAPCD-recommended guidance, projects deemed to be consistent with the City’s CAP would not be considered to have a significant impact on the environment and would not conflict with GHG-reduction planning efforts. As a result, this impact is considered *less than significant*.

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APPENDIX A
AMBIENT AIR QUALITY DATA



Top 4 Summary: Highest 4 Daily Maximum 8-Hour Ozone Averages

at Morro Bay



	2015		2016		2017	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National 2015 Std (0.070 ppm):						
First High:	Apr 16	0.057	Oct 8	0.057	Sep 2	0.062
Second High:	Apr 17	0.053	Apr 6	0.054	Sep 3	0.060
Third High:	Apr 30	0.052	Apr 17	0.053	Oct 16	0.057
Fourth High:	May 2	0.052	Oct 20	0.053	Sep 26	0.052
California Std (0.070 ppm):						
First High:	Apr 16	0.058	Oct 8	0.057	Sep 2	0.062
Second High:	Apr 17	0.053	Apr 6	0.054	Sep 3	0.060
Third High:	Apr 30	0.053	Apr 17	0.053	Oct 16	0.058
Fourth High:	May 2	0.053	Oct 20	0.053	Oct 6	0.053
National 2015 Std (0.070 ppm):						
# Days Above the Standard:	0			0		0
Nat'l Standard Design Value:	0.054			0.055		0.052
National Year Coverage:	99			100		97
California Std (0.070 ppm):						
# Days Above the Standard:	0			0		0
California Designation Value:	0.058			0.060		0.058
Expected Peak Day Concentration:	0.059			0.060		0.058
California Year Coverage:	98			98		97

◀ Shift Backward 1 year ▼ Shift Forward ▶

Notes:

Eight-hour ozone averages and related statistics are available at Morro Bay between 1981 and 2017. Some years in this range may not be represented.

All averages expressed in parts per million.

orange exceeds a national ambient air quality standard.

yellow exceeds a California ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

State and national statistics may differ for the following reasons:

National 8-hour averages are truncated to three decimal places; State 8-hour averages are rounded to three decimal places.

State criteria for ensuring that data are sufficiently complete for calculating 8-hour averages are more stringent than the national criteria.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard exclude those 8-hour averages that have first hours between midnight and 6:00 am, Pacific Standard Time.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard include only those 8-hour averages from days that have sufficient data for the day to be considered valid.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

• means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily Maximum Hourly Ozone Measurements

at Morro Bay



	2015		2016		2017	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Apr 16	0.064	Apr 17	0.060	Sep 2	0.071
Second High:	Apr 30	0.063	Oct 8	0.060	Oct 16	0.067
Third High:	Oct 8	0.060	Apr 6	0.058	Sep 3	0.066
Fourth High:	Oct 9	0.059	Apr 18	0.057	Oct 26	0.062
California:						
# Days Above the Standard:	0		0		0	
California Designation Value:	0.06		0.06		0.06	
Expected Peak Day Concentration:	0.062		0.063		0.062	
National:						
# Days Above the Standard:	0		0		0	
3-Year Estimated Expected Number of Exceedance Days:	0.0		0.0		0.0	
1-Year Estimated Expected Number of Exceedance Days:	0.0		0.0		0.0	
Nat'l Standard Design Value:	0.067		0.065		0.064	
Year Coverage:	98		99		98	

◀ Shift Backward 1 year ▼ Shift Forward ▶

Notes:

Hourly ozone measurements and related statistics are available at Morro Bay between 1981 and 2017. Some years in this range may not be represented.

All concentrations expressed in parts per million.

The national 1-hour ozone standard was revoked in June 2005. Statistics related to the national 1-hour ozone standard are shown in *italics* or *italics*.

yellow exceeds a California ambient air quality standard. **orange** exceeds the revoked 1-hour national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

• means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily Maximum Hourly Nitrogen Dioxide Measurements



at Morro Bay

	2015		2016		2017	
	Date	Measurement	Date	Measurement	Date	Measurement
National:						
First High:	Apr 16	43.0	Mar 1	36.0		*
Second High:	Nov 5	33.0	Feb 16	29.0		*
Third High:	Nov 22	32.0	Jan 12	28.0		*
Fourth High:	Jan 7	31.0	Feb 24	26.0		*
California:						
First High:	Apr 16	43	Mar 1	36		*
Second High:	Nov 5	33	Feb 16	29		*
Third High:	Nov 22	32	Jan 12	28		*
Fourth High:	Jan 7	31	Feb 24	26		*
National:						
1-Hour Standard Design Value:		31		*		*
1-Hour Standard 98th Percentile:		30.0		29.0		*
# Days Above the Standard:		0		0		0
Annual Standard Design Value:		3		*		*
California:						
1-Hour Std Designation Value:		40		40		*
Expected Peak Day Concentration:		38		39		*
# Days Above the Standard:		0		0		0
Annual Std Designation Value:		4		3		*
Annual Average:		3		*		*
Year Coverage:		96		45		*

◀ Shift Backward 1 year ▼ Shift Forward ▶

Notes:

Hourly nitrogen dioxide measurements and related statistics are available at Morro Bay between 1975 and 2016. Some years in this range may not be represented.

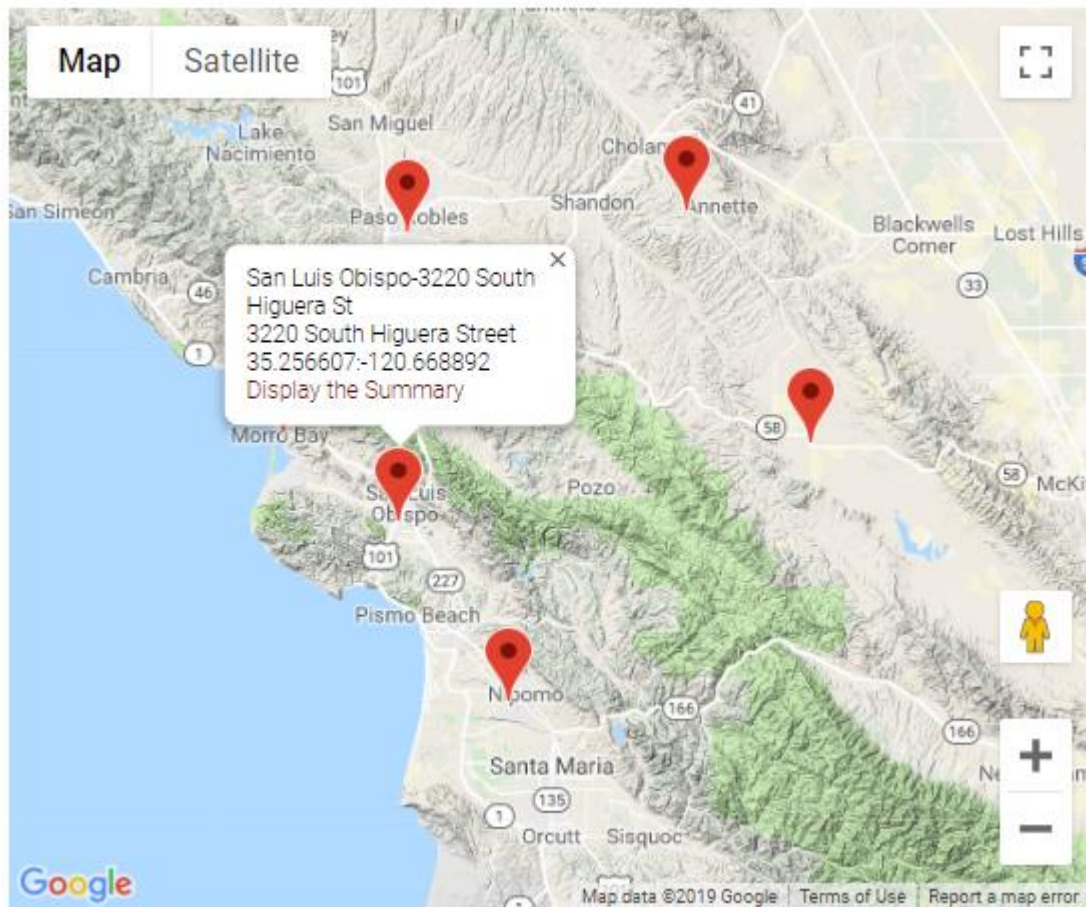
All concentrations expressed in parts per billion.

yellow exceeds a California ambient air quality standard. **orange** exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

***** means there was insufficient data available to determine the value.



Top 4 Summary: Highest 4 Daily 24-Hour PM2.5 Averages

at San Luis Obispo-3220 South Higuera St



	2015		2016		2017	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Aug 20	16.4	Aug 3	21.0	Oct 12	25.6
Second High:	Aug 25	15.4	Aug 4	20.9	Oct 13	23.1
Third High:	Aug 19	15.2	Aug 13	20.5	Oct 11	21.6
Fourth High:	Apr 30	15.1	Jul 23	19.0	Oct 14	20.1
California:						
First High:	Aug 20	16.4	Aug 3	21.0	Oct 12	25.6
Second High:	Aug 25	15.4	Aug 4	20.9	Oct 13	23.1
Third High:	Aug 19	15.2	Aug 13	20.5	Oct 11	21.6
Fourth High:	Apr 30	15.1	Jul 23	19.0	Oct 14	20.1
National:						
Estimated # Days > 24-Hour Std:	*		*			0.0
Measured # Days > 24-Hour Std:	0		0			0
24-Hour Standard Design Value:	*		*			*
24-Hour Standard 98th Percentile:	*		*			16.8
2006 Annual Std Design Value:	*		*			*
2013 Annual Std Design Value:	*		*			*
Annual Average:	*		*			6.8
California:						
Annual Std Designation Value:	7		6			*
Annual Average:	*		*			*
Year Coverage:	67		45			95

◀ Shift Backward 1 year ▼ Shift Forward ▶

Notes:

Daily PM2.5 averages and related statistics are available at San Luis Obispo-3220 South Higuera St between 2005 and 2017. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

yellow exceeds a California ambient air quality standard. **orange** exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily 24-Hour PM10 Averages

at San Luis Obispo-3220 South Higuera St



	2015		2016		2017	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Apr 30	42.5	Jun 26	42.6	Dec 17	67.8
Second High:	Aug 16	38.5	Jul 23	40.6	Oct 9	63.7
Third High:	Mar 29	38.1	Oct 7	39.7	Oct 13	57.5
Fourth High:	Apr 29	33.1	Jun 27	39.6	Oct 14	54.5
California:						
First High:	Apr 30	43.1	Jun 26	43.2	Dec 17	70.1
Second High:	Mar 29	39.0	Jul 23	41.2	Oct 9	64.4
Third High:	Aug 16	38.4	Jun 27	40.1	Oct 13	58.2
Fourth High:	Apr 29	33.9	Oct 7	39.8	Oct 14	54.5
National:						
Estimated # Days > 24-Hour Std:	*			*		0.0
Measured # Days > 24-Hour Std:	0			0		0
3-Yr Avg Est # Days > 24-Hr Std:	*			*		*
Annual Average:	16.3			15.7		17.8
3-Year Average:	17			16		17
California:						
Estimated # Days > 24-Hour Std:	*			*		*
Measured # Days > 24-Hour Std:	0			0		5
Annual Average:	*			*		*
3-Year Maximum Annual Average:	19			17		*
Year Coverage:	0			0		0

◀ Shift Backward 1 year ▼ Shift Forward ▶

Notes:

Daily PM10 averages and related statistics are available at San Luis Obispo-3220 South Higuera St between 2005 and 2017. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

The national annual average PM10 standard was revoked in December 2006 and is no longer in effect. Statistics related to the revoked standard are shown in *italics* or *italics*.

yellow exceeds a California ambient air quality standard. **orange** exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

All values listed above represent midnight-to-midnight 24-hour averages and may be related to an exceptional event.

State and national statistics may differ for the following reasons:

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

State statistics for 1998 and later are based on local conditions (except for sites in the South Coast Air Basin, where State statistics for 2002 and later are based on local conditions). National statistics are based on standard conditions.

State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.

Measurements are usually collected every six days. Measured days counts the days that a measurement was greater than the level of the standard; Estimated days mathematically estimates how many days concentrations would have been greater than the level of the standard had each day been monitored.

3-Year statistics represent the listed year and the 2 years before the listed year.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

APPENDIX B

EMISSIONS MODELING

CONSTRUCTION EMISSIONS SUMMARY - DAILY UNMITIGATED

Phase	Start	End	Days	Quarter	Unmitigated Daily Emissions (lbs)										
					ROG	NOx	ROG+ NOX	CO	SO2	PM10			PM2.5		
										Fug	Exh	Tot	Fug	Exh	Tot
Site Prep	10/1/2019	10/7/2019	5	Q1											
				On-Site	4.34	45.57	49.91	22.06	0.04	18.07	2.39	20.46	9.93	2.20	12.13
				Off-Site	0.10	0.08	0.18	0.71	0.00	0.18	0.00	0.18	0.05	0.00	0.05
				Total	4.43	45.66	50.09	22.77	0.04	18.24	2.39	20.64	9.98	2.20	12.18
Grading	10/8/2019	10/17/2019	8	Q1											
				On-Site	2.58	28.35	30.93	16.29	0.03	6.59	1.40	7.99	3.37	1.29	4.66
				Off-Site	0.38	10.09	10.47	2.87	0.02	0.65	0.06	0.71	0.18	0.06	0.24
				Total	2.96	38.43	41.40	19.16	0.05	7.25	1.46	8.71	3.55	1.35	4.90
Building	10/18/2019	9/3/2020	53	Q1											
				On-Site	2.36	21.08	23.44	17.16	0.03		1.29	1.29		1.21	1.21
				Off-Site	0.50	3.36	3.86	3.77	0.01	0.82	0.03	0.85	0.22	0.03	0.25
				Total	2.87	24.44	27.30	20.94	0.04	0.82	1.32	2.14	0.22	1.24	1.46
				Q1 TOTAL											
				On-Site	9.28	95.00	104.28	55.52	0.09	24.66	5.08	29.74	13.30	4.70	18.00
				Off-Site	0.98	13.53	14.51	7.34	0.04	1.65	0.09	1.74	0.44	0.09	0.53
				Total	10.26	108.53	118.79	62.86	0.13	26.31	5.17	31.48	13.75	4.79	18.53
			66	Q2											
				On-Site	2.12	19.19	21.31	16.85	0.03		1.12	1.12		1.05	1.05
				Off-Site	0.44	3.06	3.50	3.32	0.01	0.82	0.02	0.84	0.22	0.02	0.24
				Total	2.56	22.24	24.81	20.17	0.04	0.82	1.14	1.95	0.22	1.07	1.29
			66	Q3											
				On-Site	2.36	21.08	23.44	17.16	0.03		1.29	1.29		1.21	1.21
				Off-Site	0.45	3.33	3.78	3.72	0.01	0.82	0.03	0.85	0.22	0.03	0.25
				Total	2.81	24.41	27.22	20.88	0.04	0.82	1.32	2.14	0.22	1.24	1.46
			45	Q4											
				On-Site	2.36	21.08	23.44	17.16	0.03		1.29	1.29		1.21	1.21
				Off-Site	0.45	3.33	3.78	3.72	0.01	0.82	0.03	0.85	0.22	0.03	0.25
				Total	2.81	24.41	27.22	20.88	0.04	0.82	1.32	2.14	0.22	1.24	1.46
Paving	9/4/2020	9/29/2020	18	Q4											
				On-Site	1.34	11.80	13.14	12.28	0.02		0.65	0.65		0.60	0.60
				Off-Site	0.10	0.08	0.18	0.69	0.00	0.20	0.00	0.20	0.05	0.00	0.05
				Total	1.43	11.88	13.32	12.97	0.02	0.20	0.65	0.85	0.05	0.60	0.65
Coating	9/30/2020	10/23/2020	18	Q4											
				On-Site	25.85	1.68	27.54	1.83	0.00		0.11	0.11		0.11	0.11
				Off-Site	0.07	0.06	0.13	0.48	0.00	0.14	0.00	0.14	0.04	0.00	0.04
				Total	25.92	1.74	27.66	2.31	0.00	0.14	0.11	0.25	0.04	0.11	0.15
				Q4 TOTAL											
				On-Site	29.55	34.56	64.11	31.28	0.05	0.00	2.05	2.05	0.00	1.92	1.92
				Off-Site	0.62	3.47	4.09	4.89	0.02	1.15	0.03	1.18	0.31	0.03	0.34
				Total	30.17	38.03	68.20	36.17	0.06	1.15	2.08	3.24	0.31	1.95	2.26

CONSTRUCTION EMISSIONS SUMMARY - QUARTERLY UNMITIGATED

Phase	Quarter	Unmitigated Quarterly Emissions (tons)										
		ROG	NOx	ROG+ NOX	CO	SO2	PM10			PM2.5		
							Fug	Exh	Tot	Fug	Exh	Tot
Site Prep	Q1											
	On-Site	0.011	0.114	0.125	0.055	0.000	0.045	0.006	0.051	0.025	0.005	0.030
	Off-Site	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Total	0.011	0.114	0.125	0.057	0.000	0.046	0.006	0.052	0.025	0.006	0.030
Grading	Q1											
	On-Site	0.010	0.113	0.124	0.065	0.000	0.026	0.006	0.032	0.013	0.005	0.019
	Off-Site	0.002	0.040	0.042	0.011	0.000	0.003	0.000	0.003	0.001	0.000	0.001
	Total	0.012	0.154	0.166	0.077	0.000	0.029	0.006	0.035	0.014	0.005	0.020
Building	Q1											
	On-Site	0.063	0.559	0.621	0.455	0.001	0.000	0.034	0.034	0.000	0.032	0.032
	Off-Site	0.013	0.089	0.102	0.100	0.000	0.022	0.001	0.022	0.006	0.001	0.007
	Total	0.076	0.648	0.724	0.555	0.001	0.022	0.035	0.057	0.006	0.033	0.039
	Q1 TOTAL											
	On-Site	0.084	0.786	0.870	0.575	0.001	0.072	0.046	0.117	0.038	0.043	0.081
	Off-Site	0.015	0.130	0.145	0.113	0.000	0.025	0.001	0.026	0.007	0.001	0.008
	Total	0.099	0.916	1.014	0.688	0.001	0.096	0.047	0.143	0.045	0.044	0.089
	Q2											
	On-Site	0.070	0.633	0.703	0.556	0.001	0.000	0.037	0.037	0.000	0.035	0.035
	Off-Site	0.015	0.101	0.116	0.109	0.000	0.027	0.001	0.028	0.007	0.001	0.008
	Total	0.085	0.734	0.819	0.665	0.001	0.027	0.038	0.064	0.007	0.035	0.043
	Q3											
	On-Site	0.078	0.696	0.774	0.566	0.001	0.000	0.043	0.043	0.000	0.040	0.040
	Off-Site	0.015	0.110	0.125	0.123	0.000	0.027	0.001	0.028	0.007	0.001	0.008
	Total	0.093	0.806	0.898	0.689	0.001	0.027	0.044	0.070	0.007	0.041	0.048
	Q4											
	On-Site	0.053	0.474	0.527	0.386	0.001	0.000	0.029	0.029	0.000	0.027	0.027
	Off-Site	0.010	0.075	0.085	0.084	0.000	0.018	0.001	0.019	0.005	0.001	0.006
	Total	0.063	0.549	0.613	0.470	0.001	0.018	0.030	0.048	0.005	0.028	0.033
Paving	Q4											
	On-Site	0.012	0.106	0.118	0.111	0.000	0.000	0.006	0.006	0.000	0.005	0.005
	Off-Site	0.001	0.001	0.002	0.006	0.000	0.002	0.000	0.002	0.000	0.000	0.000
	Total	0.013	0.107	0.120	0.117	0.000	0.002	0.006	0.008	0.000	0.005	0.006
Coating	Q4											
	On-Site	0.233	0.015	0.248	0.016	0.000	0.000	0.001	0.001	0.000	0.001	0.001
	Off-Site	0.001	0.001	0.001	0.004	0.000	0.001	0.000	0.001	0.000	0.000	0.000
	Total	0.233	0.016	0.249	0.021	0.000	0.001	0.001	0.002	0.000	0.001	0.001
	Q4 TOTAL											
	On-Site	0.298	0.596	0.893	0.513	0.001	0.000	0.036	0.036	0.000	0.034	0.034
	Off-Site	0.012	0.076	0.088	0.094	0.000	0.021	0.001	0.022	0.006	0.001	0.006
	Total	0.310	0.672	0.981	0.607	0.001	0.021	0.037	0.058	0.006	0.034	0.040

CONSTRUCTION EMISSIONS SUMMARY - DAILY MITIGATED

Phase	Start	End	Days	Quarter	Mitigated Daily Emissions (lbs)										
					ROG	NOx	ROG+ NOX	CO	SO2	PM10			PM2.5		
										Fug	Exh	Tot	Fug	Exh	Tot
Site Prep	10/1/2019	10/7/2019	5	Q1											
				On-Site	0.93	19.07	20.00	22.96	0.04	7.05	0.95	7.99	3.87	0.95	4.82
				Off-Site	0.10	0.08	0.18	0.71	0.00	0.18	0.00	0.18	0.05	0.00	0.05
				Total	1.03	19.15	20.18	23.67	0.04	7.22	0.95	8.17	3.92	0.95	4.87
Grading	10/8/2019	10/17/2019	8	Q1											
				On-Site	0.73	14.84	15.57	18.99	0.03	2.57	0.76	3.33	1.32	0.76	2.07
				Off-Site	0.38	10.09	10.47	2.87	0.02	0.65	0.06	0.71	0.18	0.06	0.24
				Total	1.11	24.93	26.03	21.86	0.05	3.22	0.82	4.04	1.49	0.81	2.31
Building	10/18/2019	9/3/2020	53	Q1											
				On-Site	0.67	14.23	14.90	17.87	0.03		0.90	0.90		0.90	0.90
				Off-Site	0.50	3.36	3.86	3.77	0.01	0.82	0.03	0.85	0.22	0.03	0.25
				Total	1.18	17.59	18.76	21.65	0.04	0.82	0.93	1.75	0.22	0.93	1.15
				Q1 TOTAL											
				On-Site	2.33	48.13	50.46	59.82	0.09	9.62	2.61	12.22	5.19	2.61	7.79
				Off-Site	0.98	13.53	14.51	7.34	0.04	1.65	0.09	1.74	0.44	0.09	0.53
				Total	3.31	61.66	64.97	67.17	0.13	11.27	2.70	13.96	5.63	2.69	8.33
			66	Q2											
				On-Site	0.67	14.23	14.90	17.87	0.03		0.90	0.90		0.90	0.90
				Off-Site	0.44	3.06	3.50	3.32	0.01	0.82	0.02	0.84	0.22	0.02	0.24
				Total	1.12	17.28	18.40	21.19	0.04	0.82	0.92	1.74	0.22	0.92	1.14
			66	Q3											
				On-Site	0.67	14.23	14.90	17.87	0.03		0.90	0.90		0.90	0.90
				Off-Site	0.40	3.04	3.43	3.28	0.01	0.82	0.02	0.84	0.22	0.02	0.24
				Total	1.07	17.26	18.33	21.16	0.04	0.82	0.92	1.74	0.22	0.92	1.14
			45	Q4											
				On-Site	0.67	14.23	14.90	17.87	0.03		0.90	0.90		0.90	0.90
				Off-Site	0.40	3.04	3.43	3.28	0.01	0.82	0.02	0.84	0.22	0.02	0.24
				Total	1.07	17.26	18.33	21.16	0.04	0.82	0.92	1.74	0.22	0.92	1.14
Paving	9/4/2020	9/29/2020	18	Q4											
				On-Site	0.59	9.09	9.68		13.53	0.02	0.52	0.52		0.52	0.52
				Off-Site	0.09	0.07	0.16	0.71	0.00	0.20	0.00	0.20	0.05	0.00	0.05
				Total	0.68	9.16	9.84	0.71	13.53	0.22	0.53	0.72	0.05	0.53	0.58
Coating	9/30/2020	10/23/2020	18	Q4											
				On-Site	25.67	1.36	27.03	1.83	0.00	0.00	0.10	0.10	0.00	0.10	0.10
				Off-Site	0.06	0.05	0.11	0.50	0.00	0.14	0.00	0.14	0.04	0.00	0.04
				Total	25.73	1.41	27.14	2.33	0.00	0.14	0.10	0.23	0.04	0.10	0.13
				Q4 TOTAL											
				On-Site	26.94	24.67	51.61	19.71	13.56	0.02	1.52	1.52	0.00	1.52	1.52
				Off-Site	0.54	3.16	3.70	4.49	0.02	1.15	0.02	1.18	0.31	0.02	0.33
				Total	27.48	27.83	55.31	24.20	13.58	1.17	1.55	2.70	0.31	1.54	1.85

CONSTRUCTION EMISSIONS SUMMARY - QUARTERLY MITIGATED

Phase	Quarter	Mitigated Quarterly Emissions (tons)										
		ROG	NOx	ROG+ NOX	CO	SO2	PM10			PM2.5		
							Fug	Exh	Tot	Fug	Exh	Tot
Site Prep	Q1											
	On-Site	0.002	0.048	0.050	0.057	0.000	0.018	0.002	0.020	0.010	0.002	0.012
	Off-Site	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Total	0.003	0.048	0.050	0.059	0.000	0.018	0.002	0.020	0.010	0.002	0.012
Grading	Q1											
	On-Site	0.003	0.059	0.062	0.076	0.000	0.010	0.003	0.013	0.005	0.003	0.008
	Off-Site	0.002	0.040	0.042	0.011	0.000	0.003	0.000	0.003	0.001	0.000	0.001
	Total	0.004	0.100	0.104	0.087	0.000	0.013	0.003	0.016	0.006	0.003	0.009
Building	Q1											
	On-Site	0.018	0.377	0.395	0.474	0.001	0.000	0.024	0.024	0.000	0.024	0.024
	Off-Site	0.013	0.089	0.102	0.100	0.000	0.022	0.001	0.022	0.006	0.001	0.007
	Total	0.031	0.466	0.497	0.574	0.001	0.022	0.025	0.046	0.006	0.025	0.031
	Q1 TOTAL											
	On-Site	0.023	0.484	0.507	0.607	0.001	0.028	0.029	0.057	0.015	0.029	0.044
	Off-Site	0.015	0.130	0.145	0.113	0.000	0.025	0.001	0.026	0.007	0.001	0.008
	Total	0.038	0.614	0.652	0.720	0.001	0.053	0.030	0.083	0.022	0.030	0.052
	Q2											
	On-Site	0.022	0.469	0.492	0.590	0.001	0.000	0.030	0.030	0.000	0.030	0.030
	Off-Site	0.015	0.101	0.116	0.109	0.000	0.027	0.001	0.028	0.007	0.001	0.008
	Total	0.037	0.570	0.607	0.699	0.001	0.027	0.030	0.057	0.007	0.030	0.038
	Q3											
	On-Site	0.022	0.469	0.492	0.590	0.001	0.000	0.030	0.030	0.000	0.030	0.030
	Off-Site	0.013	0.100	0.113	0.108	0.000	0.027	0.001	0.028	0.007	0.001	0.008
	Total	0.035	0.570	0.605	0.698	0.001	0.027	0.030	0.057	0.007	0.030	0.038
	Q4											
	On-Site	0.015	0.320	0.335	0.402	0.001	0.000	0.020	0.020	0.000	0.020	0.020
	Off-Site	0.009	0.068	0.077	0.074	0.000	0.018	0.000	0.019	0.005	0.000	0.005
	Total	0.024	0.388	0.413	0.476	0.001	0.018	0.021	0.039	0.005	0.021	0.026
Paving	Q4											
	On-Site	0.005	0.082	0.087	0.000	0.122	0.000	0.005	0.005	0.000	0.005	0.005
	Off-Site	0.001	0.001	0.001	0.006	0.000	0.002	0.000	0.002	0.000	0.000	0.000
	Total	0.006	0.082	0.089	0.006	0.122	0.002	0.005	0.007	0.000	0.005	0.005
Coating	Q4											
	On-Site	0.231	0.012	0.243	0.016	0.000	0.000	0.001	0.001	0.000	0.001	0.001
	Off-Site	0.001	0.000	0.001	0.004	0.000	0.001	0.000	0.001	0.000	0.000	0.000
	Total	0.232	0.013	0.244	0.021	0.000	0.001	0.001	0.002	0.000	0.001	0.001
	Q4 TOTAL											
	On-Site	0.252	0.414	0.666	0.419	0.122	0.000	0.026	0.026	0.000	0.026	0.026
	Off-Site	0.010	0.069	0.080	0.085	0.000	0.021	0.000	0.022	0.006	0.000	0.006
	Total	0.262	0.484	0.745	0.503	0.123	0.022	0.026	0.048	0.006	0.026	0.032

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	83.00	Room	2.02	120,516.00	0
Parking Lot	45.30	1000sqft	1.04	45,301.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	488.3	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Includes RPS adjustment.

Land Use - Includes 83-room hotel, 45.301ksf asphalt surface

Construction Phase - Construction is based on model defaults. No demolition required.

Grading - 1850 cy imported

Trips and VMT - Const trips based on model defaults.

Architectural Coating - Interior and exterior paint assumes 50 g/L VOC content. Exterior to be largely constructed of pre-finished/colorized materials. Assumes 10ksf exterior paint application.

Energy Use -

Sequestration - 25 trees planted.

Construction Off-road Equipment Mitigation - Includes T3 equipment, 50% CE for watering travel surfaces, 61% CE for watering graded surfaces, 15 mph onsite speed limit

Mobile Land Use Mitigation - Includes ped. connections

Area Mitigation - Includes use of low-VOC paints

Energy Mitigation - Includes high-eff. lighting, exceed T24 by 10%, energy-eff. appliances, 234,936kWh solar system.

Water Mitigation - Includes low-flow fixtures, water-efficient irrigation, 172,236MAWA/94,505ETWU

Waste Mitigation - Includes 50% diversion rate based on existing statewide averages

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	60,258.00	10,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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
tblGrading	MaterialImported	0.00	1,850.00
tblLandUse	LandUseSquareFeet	45,300.00	45,301.00
tblLandUse	LotAcreage	2.77	2.02

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tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	488.3
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSequestration	NumberOfNewTrees	0.00	25.00

2.0 Emissions Summary

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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					
2019	0.0977	0.9169	0.6862	1.3400e-003	0.0956	0.0468	0.1424	0.0448	0.0438	0.0886						121.1201
2020	0.4696	2.0939	1.9171	3.6300e-003	0.0734	0.1075	0.1809	0.0198	0.1010	0.1208						321.8210
Maximum	0.4696	2.0939	1.9171	3.6300e-003	0.0956	0.1075	0.1809	0.0448	0.1010	0.1208						321.8210

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					
2019	0.0370	0.6150	0.7180	1.3400e-003	0.0520	0.0304	0.0823	0.0214	0.0303	0.0518						121.1200
2020	0.3333	1.6276	2.0191	3.6300e-003	0.0734	0.0873	0.1608	0.0198	0.0872	0.1070						321.8207
Maximum	0.3333	1.6276	2.0191	3.6300e-003	0.0734	0.0873	0.1608	0.0214	0.0872	0.1070						321.8207

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.72	25.51	-5.14	0.00	25.81	23.72	24.81	36.20	18.82	24.18	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2019	12-31-2019	1.0044	0.6460
2	1-1-2020	3-31-2020	0.8062	0.5980
3	4-1-2020	6-30-2020	0.8040	0.5958
4	7-1-2020	9-30-2020	0.7076	0.5266
		Highest	1.0044	0.6460

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	0.6144	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-003
Energy	0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						494.4363
Mobile	0.2061	0.7745	2.0527	4.7300e-003	0.3949	6.0700e-003	0.4010	0.1058	5.7100e-003	0.1115						432.7641
Waste						0.0000	0.0000		0.0000	0.0000						22.8519
Water						0.0000	0.0000		0.0000	0.0000						5.5818
Total	0.8493	1.0363	2.2747	6.3000e-003	0.3949	0.0260	0.4209	0.1058	0.0256	0.1314						955.6386

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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	0.5027	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-003
Energy	0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						396.1906
Mobile	0.2050	0.7654	2.0271	4.6400e-003	0.3870	5.9600e-003	0.3930	0.1037	5.6100e-003	0.1093						424.8400
Waste						0.0000	0.0000		0.0000	0.0000						11.4259
Water						0.0000	0.0000		0.0000	0.0000						4.4136
Total	0.7339	1.0038	2.2296	6.0700e-003	0.3870	0.0241	0.4111	0.1037	0.0237	0.1274						836.8746

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	13.59	3.13	1.99	3.65	2.00	7.24	2.32	2.00	7.30	3.03	0.00	0.00	0.00	0.00	0.00	12.43

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	17.7000
Total	17.7000

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	10/1/2019	10/7/2019	5	5	
2	Grading	Grading	10/8/2019	10/17/2019	5	8	
3	Building Construction	Building Construction	10/18/2019	9/3/2020	5	230	
4	Paving	Paving	9/4/2020	9/29/2020	5	18	
5	Architectural Coating	Architectural Coating	9/30/2020	10/23/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.04

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Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 180,774; Non-Residential Outdoor: 10,000; Striped Parking Area: 2,718 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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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	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	231.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	70.00	27.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2019

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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248						0.0000
Off-Road	0.0108	0.1139	0.0552	9.0000e-005		5.9800e-003	5.9800e-003		5.5000e-003	5.5000e-003						8.6097
Total	0.0108	0.1139	0.0552	9.0000e-005	0.0452	5.9800e-003	0.0512	0.0248	5.5000e-003	0.0303						8.6097

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3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744
Total	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744

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					0.0176	0.0000	0.0176	9.6800e-003	0.0000	9.6800e-003						0.0000
Off-Road	2.3300e-003	0.0477	0.0574	9.0000e-005		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003						8.6097
Total	2.3300e-003	0.0477	0.0574	9.0000e-005	0.0176	2.3700e-003	0.0200	9.6800e-003	2.3700e-003	0.0121						8.6097

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3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744
Total	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744

3.3 Grading - 2019

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					0.0264	0.0000	0.0264	0.0135	0.0000	0.0135						0.0000
Off-Road	0.0103	0.1134	0.0652	1.2000e-004		5.5900e-003	5.5900e-003		5.1400e-003	5.1400e-003						10.7412
Total	0.0103	0.1134	0.0652	1.2000e-004	0.0264	5.5900e-003	0.0320	0.0135	5.1400e-003	0.0186						10.7412

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3.3 Grading - 2019

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	1.1900e-003	0.0406	8.8000e-003	9.0000e-005	1.9700e-003	2.4000e-004	2.2100e-003	5.4000e-004	2.3000e-004	7.7000e-004						8.9755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.9000e-004	2.7000e-004	2.3500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004						0.4991
Total	1.4800e-003	0.0408	0.0112	1.0000e-004	2.5500e-003	2.4000e-004	2.7900e-003	6.9000e-004	2.3000e-004	9.3000e-004						9.4746

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					0.0103	0.0000	0.0103	5.2600e-003	0.0000	5.2600e-003						0.0000
Off-Road	2.9100e-003	0.0594	0.0760	1.2000e-004		3.0200e-003	3.0200e-003		3.0200e-003	3.0200e-003						10.7412
Total	2.9100e-003	0.0594	0.0760	1.2000e-004	0.0103	3.0200e-003	0.0133	5.2600e-003	3.0200e-003	8.2800e-003						10.7412

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3.3 Grading - 2019

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	1.1900e-003	0.0406	8.8000e-003	9.0000e-005	1.9700e-003	2.4000e-004	2.2100e-003	5.4000e-004	2.3000e-004	7.7000e-004						8.9755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.9000e-004	2.7000e-004	2.3500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004						0.4991
Total	1.4800e-003	0.0408	0.0112	1.0000e-004	2.5500e-003	2.4000e-004	2.7900e-003	6.9000e-004	2.3000e-004	9.3000e-004						9.4746

3.4 Building Construction - 2019

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	0.0626	0.5586	0.4548	7.1000e-004		0.0342	0.0342		0.0321	0.0321						62.6821
Total	0.0626	0.5586	0.4548	7.1000e-004		0.0342	0.0342		0.0321	0.0321						62.6821

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3.4 Building Construction - 2019

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
Vendor	3.3500e-003	0.0816	0.0256	1.4000e-004	3.2500e-003	6.5000e-004	3.9000e-003	9.4000e-004	6.2000e-004	1.5600e-003						13.8064
Worker	8.9100e-003	8.3700e-003	0.0725	1.7000e-004	0.0179	1.2000e-004	0.0180	4.7500e-003	1.1000e-004	4.8600e-003						15.4318
Total	0.0123	0.0900	0.0981	3.1000e-004	0.0211	7.7000e-004	0.0219	5.6900e-003	7.3000e-004	6.4200e-003						29.2382

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	0.0179	0.3770	0.4737	7.1000e-004		0.0239	0.0239		0.0239	0.0239						62.6820
Total	0.0179	0.3770	0.4737	7.1000e-004		0.0239	0.0239		0.0239	0.0239						62.6820

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3.4 Building Construction - 2019

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
Vendor	3.3500e-003	0.0816	0.0256	1.4000e-004	3.2500e-003	6.5000e-004	3.9000e-003	9.4000e-004	6.2000e-004	1.5600e-003						13.8064
Worker	8.9100e-003	8.3700e-003	0.0725	1.7000e-004	0.0179	1.2000e-004	0.0180	4.7500e-003	1.1000e-004	4.8600e-003						15.4318
Total	0.0123	0.0900	0.0981	3.1000e-004	0.0211	7.7000e-004	0.0219	5.6900e-003	7.3000e-004	6.4200e-003						29.2382

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1876	1.6980	1.4911	2.3800e-003		0.0989	0.0989		0.0930	0.0930						206.2250
Total	0.1876	1.6980	1.4911	2.3800e-003		0.0989	0.0989		0.0930	0.0930						206.2250

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	8.8900e-003	0.2487	0.0754	4.8000e-004	0.0109	1.3600e-003	0.0122	3.1400e-003	1.3000e-003	4.4300e-003						46.0404
Worker	0.0271	0.0246	0.2131	5.5000e-004	0.0596	3.9000e-004	0.0600	0.0159	3.6000e-004	0.0162						49.9361
Total	0.0360	0.2733	0.2884	1.0300e-003	0.0705	1.7500e-003	0.0722	0.0190	1.6600e-003	0.0206						95.9765

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	0.0596	1.2590	1.5818	2.3800e-003		0.0800	0.0800		0.0800	0.0800						206.2248
Total	0.0596	1.2590	1.5818	2.3800e-003		0.0800	0.0800		0.0800	0.0800						206.2248

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	8.8900e-003	0.2487	0.0754	4.8000e-004	0.0109	1.3600e-003	0.0122	3.1400e-003	1.3000e-003	4.4300e-003						46.0404
Worker	0.0271	0.0246	0.2131	5.5000e-004	0.0596	3.9000e-004	0.0600	0.0159	3.6000e-004	0.0162						49.9361
Total	0.0360	0.2733	0.2884	1.0300e-003	0.0705	1.7500e-003	0.0722	0.0190	1.6600e-003	0.0206						95.9765

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003						14.8506
Paving	1.3600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.0120	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003						14.8506

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3.5 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509
Total	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9500e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003						14.8506
Paving	1.3600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	5.3100e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003						14.8506

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3.5 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509
Total	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2305					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003						2.3024
Total	0.2327	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003						2.3024

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3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157
Total	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2305					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	5.3000e-004	0.0122	0.0165	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004						2.3024
Total	0.2310	0.0122	0.0165	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004						2.3024

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3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157
Total	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive 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	0.2050	0.7654	2.0271	4.6400e-003	0.3870	5.9600e-003	0.3930	0.1037	5.6100e-003	0.1093						424.8400
Unmitigated	0.2061	0.7745	2.0527	4.7300e-003	0.3949	6.0700e-003	0.4010	0.1058	5.7100e-003	0.1115						432.7641

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	678.11	679.77	493.85	1,050,595	1,029,583
Parking Lot	0.00	0.00	0.00		
Total	678.11	679.77	493.85	1,050,595	1,029,583

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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						135.1240
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						207.7768
NaturalGas Mitigated	0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						261.0666
NaturalGas Unmitigated	0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						286.6596

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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					
Hotel	5.34006e+006	0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						286.6596
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						286.6596

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					
Hotel	4.8633e+006	0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						261.0666
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						261.0666

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	918332				204.2503
Parking Lot	15855.3				3.5265
Total					207.7768

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	711682				158.2884
Parking Lot	-104150				-23.1644
Total					135.1240

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	0.5027	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-003
Unmitigated	0.6144	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-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	0.1406					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.4736					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-003
Total	0.6144	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-003

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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	0.0289					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.4736					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-003
Total	0.5027	2.0000e-005	2.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Use Water Efficient Landscaping

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				4.4136
Unmitigated				5.5818

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.10544 / 0.233938				5.5818
Parking Lot	0 / 0				0.0000
Total					5.5818

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7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	1.68435 / 0.120531				4.4136
Parking Lot	0 / 0				0.0000
Total					4.4136

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				11.4259
Unmitigated				22.8519

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	45.44				22.8519
Parking Lot	0				0.0000
Total					22.8519

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	22.72				11.4259
Parking Lot	0				0.0000
Total					11.4259

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

User Defined Equipment

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

11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	17.7000			

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	25	17.7000			
Total					17.7000

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	83.00	Room	2.02	120,516.00	0
Parking Lot	45.30	1000sqft	1.04	45,301.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	364.4	CH4 Intensity (lb/MW hr)	0.016	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Includes RPS adjustment.

Land Use - Includes 83-room hotel, 45.301ksf asphalt surface

Construction Phase - Construction is based on model defaults. No demolition required.

Grading - 1850 cy imported

Trips and VMT - Const trips based on model defaults.

Architectural Coating - Interior and exterior paint assumes 50 g/L VOC content. Exterior to be largely constructed of pre-finished/colorized materials. Assumes 10ksf exterior paint application.

Energy Use -

Sequestration - 25 trees planted.

Construction Off-road Equipment Mitigation - Includes T3 equipment, 50% CE for watering travel surfaces, 61% CE for watering graded surfaces, 15 mph onsite speed limit

Mobile Land Use Mitigation - Includes ped. connections

Area Mitigation - Includes use of low-VOC paints

Energy Mitigation - Includes high-eff. lighting, exceed T24 by 10%, energy-eff. appliances, 234,936kWh solar system.

Water Mitigation - Includes low-flow fixtures, water-efficient irrigation, 172,236MAWA/94,505ETWU

Waste Mitigation - Assumes 75% diversion rate based on future statewide target rate

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	60,258.00	10,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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
tblGrading	MaterialImported	0.00	1,850.00
tblLandUse	LandUseSquareFeet	45,300.00	45,301.00
tblLandUse	LotAcreage	2.77	2.02

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tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	641.35	364.4
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblSequestration	NumberOfNewTrees	0.00	25.00

2.0 Emissions Summary

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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					
2019	0.0977	0.9169	0.6862	1.3400e-003	0.0956	0.0468	0.1424	0.0448	0.0438	0.0886						121.1201
2020	0.4696	2.0939	1.9171	3.6300e-003	0.0734	0.1075	0.1809	0.0198	0.1010	0.1208						321.8210
Maximum	0.4696	2.0939	1.9171	3.6300e-003	0.0956	0.1075	0.1809	0.0448	0.1010	0.1208						321.8210

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					
2019	0.0370	0.6150	0.7180	1.3400e-003	0.0520	0.0304	0.0823	0.0214	0.0303	0.0518						121.1200
2020	0.3333	1.6276	2.0191	3.6300e-003	0.0734	0.0873	0.1608	0.0198	0.0872	0.1070						321.8207
Maximum	0.3333	1.6276	2.0191	3.6300e-003	0.0734	0.0873	0.1608	0.0214	0.0872	0.1070						321.8207

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.72	25.51	-5.14	0.00	25.81	23.72	24.81	36.20	18.82	24.18	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2019	12-31-2019	1.0044	0.6460
2	1-1-2020	3-31-2020	0.8062	0.5980
3	4-1-2020	6-30-2020	0.8040	0.5958
4	7-1-2020	9-30-2020	0.7076	0.5266
		Highest	1.0044	0.6460

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	0.6144	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-003
Energy	0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						441.7451
Mobile	0.1022	0.3962	0.9604	3.4500e-003	0.3936	2.6000e-003	0.3962	0.1052	2.4200e-003	0.1076						318.0305
Waste						0.0000	0.0000		0.0000	0.0000						22.8519
Water						0.0000	0.0000		0.0000	0.0000						4.8931
Total	0.7454	0.6580	1.1824	5.0200e-003	0.3936	0.0225	0.4161	0.1052	0.0223	0.1275						787.5249

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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	0.5027	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-003
Energy	0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						361.9238
Mobile	0.1017	0.3931	0.9478	3.3900e-003	0.3857	2.5600e-003	0.3883	0.1031	2.3800e-003	0.1055						312.3090
Waste						0.0000	0.0000		0.0000	0.0000						5.7130
Water						0.0000	0.0000		0.0000	0.0000						3.8757
Total	0.6306	0.6315	1.1502	4.8200e-003	0.3857	0.0207	0.4064	0.1031	0.0205	0.1236						683.8259

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.40	4.03	2.73	3.98	2.00	8.04	2.33	2.00	8.11	3.07	0.00	0.00	0.00	0.00	0.00	13.17

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	17.7000
Total	17.7000

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	10/1/2019	10/7/2019	5	5	
2	Grading	Grading	10/8/2019	10/17/2019	5	8	
3	Building Construction	Building Construction	10/18/2019	9/3/2020	5	230	
4	Paving	Paving	9/4/2020	9/29/2020	5	18	
5	Architectural Coating	Architectural Coating	9/30/2020	10/23/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.04

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Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 180,774; Non-Residential Outdoor: 10,000; Striped Parking Area: 2,718 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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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	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	231.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	70.00	27.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2019

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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248						0.0000
Off-Road	0.0108	0.1139	0.0552	9.0000e-005		5.9800e-003	5.9800e-003		5.5000e-003	5.5000e-003						8.6097
Total	0.0108	0.1139	0.0552	9.0000e-005	0.0452	5.9800e-003	0.0512	0.0248	5.5000e-003	0.0303						8.6097

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3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744
Total	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744

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					0.0176	0.0000	0.0176	9.6800e-003	0.0000	9.6800e-003						0.0000
Off-Road	2.3300e-003	0.0477	0.0574	9.0000e-005		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003						8.6097
Total	2.3300e-003	0.0477	0.0574	9.0000e-005	0.0176	2.3700e-003	0.0200	9.6800e-003	2.3700e-003	0.0121						8.6097

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3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744
Total	2.2000e-004	2.0000e-004	1.7600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3744

3.3 Grading - 2019

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					0.0264	0.0000	0.0264	0.0135	0.0000	0.0135						0.0000
Off-Road	0.0103	0.1134	0.0652	1.2000e-004		5.5900e-003	5.5900e-003		5.1400e-003	5.1400e-003						10.7412
Total	0.0103	0.1134	0.0652	1.2000e-004	0.0264	5.5900e-003	0.0320	0.0135	5.1400e-003	0.0186						10.7412

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3.3 Grading - 2019

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	1.1900e-003	0.0406	8.8000e-003	9.0000e-005	1.9700e-003	2.4000e-004	2.2100e-003	5.4000e-004	2.3000e-004	7.7000e-004						8.9755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.9000e-004	2.7000e-004	2.3500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004						0.4991
Total	1.4800e-003	0.0408	0.0112	1.0000e-004	2.5500e-003	2.4000e-004	2.7900e-003	6.9000e-004	2.3000e-004	9.3000e-004						9.4746

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					0.0103	0.0000	0.0103	5.2600e-003	0.0000	5.2600e-003						0.0000
Off-Road	2.9100e-003	0.0594	0.0760	1.2000e-004		3.0200e-003	3.0200e-003		3.0200e-003	3.0200e-003						10.7412
Total	2.9100e-003	0.0594	0.0760	1.2000e-004	0.0103	3.0200e-003	0.0133	5.2600e-003	3.0200e-003	8.2800e-003						10.7412

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3.3 Grading - 2019

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	1.1900e-003	0.0406	8.8000e-003	9.0000e-005	1.9700e-003	2.4000e-004	2.2100e-003	5.4000e-004	2.3000e-004	7.7000e-004						8.9755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.9000e-004	2.7000e-004	2.3500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004						0.4991
Total	1.4800e-003	0.0408	0.0112	1.0000e-004	2.5500e-003	2.4000e-004	2.7900e-003	6.9000e-004	2.3000e-004	9.3000e-004						9.4746

3.4 Building Construction - 2019

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	0.0626	0.5586	0.4548	7.1000e-004		0.0342	0.0342		0.0321	0.0321						62.6821
Total	0.0626	0.5586	0.4548	7.1000e-004		0.0342	0.0342		0.0321	0.0321						62.6821

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3.4 Building Construction - 2019

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
Vendor	3.3500e-003	0.0816	0.0256	1.4000e-004	3.2500e-003	6.5000e-004	3.9000e-003	9.4000e-004	6.2000e-004	1.5600e-003						13.8064
Worker	8.9100e-003	8.3700e-003	0.0725	1.7000e-004	0.0179	1.2000e-004	0.0180	4.7500e-003	1.1000e-004	4.8600e-003						15.4318
Total	0.0123	0.0900	0.0981	3.1000e-004	0.0211	7.7000e-004	0.0219	5.6900e-003	7.3000e-004	6.4200e-003						29.2382

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	0.0179	0.3770	0.4737	7.1000e-004		0.0239	0.0239		0.0239	0.0239						62.6820
Total	0.0179	0.3770	0.4737	7.1000e-004		0.0239	0.0239		0.0239	0.0239						62.6820

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3.4 Building Construction - 2019

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
Vendor	3.3500e-003	0.0816	0.0256	1.4000e-004	3.2500e-003	6.5000e-004	3.9000e-003	9.4000e-004	6.2000e-004	1.5600e-003						13.8064
Worker	8.9100e-003	8.3700e-003	0.0725	1.7000e-004	0.0179	1.2000e-004	0.0180	4.7500e-003	1.1000e-004	4.8600e-003						15.4318
Total	0.0123	0.0900	0.0981	3.1000e-004	0.0211	7.7000e-004	0.0219	5.6900e-003	7.3000e-004	6.4200e-003						29.2382

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1876	1.6980	1.4911	2.3800e-003		0.0989	0.0989		0.0930	0.0930						206.2250
Total	0.1876	1.6980	1.4911	2.3800e-003		0.0989	0.0989		0.0930	0.0930						206.2250

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	8.8900e-003	0.2487	0.0754	4.8000e-004	0.0109	1.3600e-003	0.0122	3.1400e-003	1.3000e-003	4.4300e-003						46.0404
Worker	0.0271	0.0246	0.2131	5.5000e-004	0.0596	3.9000e-004	0.0600	0.0159	3.6000e-004	0.0162						49.9361
Total	0.0360	0.2733	0.2884	1.0300e-003	0.0705	1.7500e-003	0.0722	0.0190	1.6600e-003	0.0206						95.9765

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	0.0596	1.2590	1.5818	2.3800e-003		0.0800	0.0800		0.0800	0.0800						206.2248
Total	0.0596	1.2590	1.5818	2.3800e-003		0.0800	0.0800		0.0800	0.0800						206.2248

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	8.8900e-003	0.2487	0.0754	4.8000e-004	0.0109	1.3600e-003	0.0122	3.1400e-003	1.3000e-003	4.4300e-003						46.0404
Worker	0.0271	0.0246	0.2131	5.5000e-004	0.0596	3.9000e-004	0.0600	0.0159	3.6000e-004	0.0162						49.9361
Total	0.0360	0.2733	0.2884	1.0300e-003	0.0705	1.7500e-003	0.0722	0.0190	1.6600e-003	0.0206						95.9765

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003						14.8506
Paving	1.3600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.0120	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003						14.8506

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3.5 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509
Total	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9500e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003						14.8506
Paving	1.3600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	5.3100e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003						14.8506

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3.5 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509
Total	7.9000e-004	7.2000e-004	6.1900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004						1.4509

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2305					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003						2.3024
Total	0.2327	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003						2.3024

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3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157
Total	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2305					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	5.3000e-004	0.0122	0.0165	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004						2.3024
Total	0.2310	0.0122	0.0165	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004						2.3024

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3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157
Total	5.5000e-004	5.0000e-004	4.3300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004						1.0157

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive 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	0.1017	0.3931	0.9478	3.3900e-003	0.3857	2.5600e-003	0.3883	0.1031	2.3800e-003	0.1055						312.3090
Unmitigated	0.1022	0.3962	0.9604	3.4500e-003	0.3936	2.6000e-003	0.3962	0.1052	2.4200e-003	0.1076						318.0305

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	678.11	679.77	493.85	1,050,595	1,029,583
Parking Lot	0.00	0.00	0.00		
Total	678.11	679.77	493.85	1,050,595	1,029,583

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.610645	0.025081	0.199254	0.104456	0.014638	0.004440	0.012550	0.019914	0.002247	0.001059	0.004248	0.000708	0.000759
Parking Lot	0.610645	0.025081	0.199254	0.104456	0.014638	0.004440	0.012550	0.019914	0.002247	0.001059	0.004248	0.000708	0.000759

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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						100.8572
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						155.0855
NaturalGas Mitigated	0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						261.0666
NaturalGas Unmitigated	0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						286.6596

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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					
Hotel	5.34006e+006	0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						286.6596
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.0288	0.2618	0.2199	1.5700e-003		0.0199	0.0199		0.0199	0.0199						286.6596

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					
Hotel	4.8633e+006	0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						261.0666
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.0262	0.2384	0.2003	1.4300e-003		0.0181	0.0181		0.0181	0.0181						261.0666

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	918332				152.4534
Parking Lot	15855.3				2.6322
Total					155.0855

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	711682				118.1472
Parking Lot	-104150				-17.2900
Total					100.8572

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	0.5027	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-003
Unmitigated	0.6144	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-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	0.1406					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.4736					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-003
Total	0.6144	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-003

Morro Bay Hotel - San Luis Obispo County, Annual

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	0.0289					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.4736					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-003
Total	0.5027	2.0000e-005	2.1500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						4.4700e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Use Water Efficient Landscaping

Morro Bay Hotel - San Luis Obispo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				3.8757
Unmitigated				4.8931

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.10544 / 0.233938				4.8931
Parking Lot	0 / 0				0.0000
Total					4.8931

Morro Bay Hotel - San Luis Obispo County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	1.68435 / 0.120531				3.8757
Parking Lot	0 / 0				0.0000
Total					3.8757

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Morro Bay Hotel - San Luis Obispo County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				5.7130
Unmitigated				22.8519

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	45.44				22.8519
Parking Lot	0				0.0000
Total					22.8519

Morro Bay Hotel - San Luis Obispo County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	11.36				5.7130
Parking Lot	0				0.0000
Total					5.7130

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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

11.0 Vegetation

Morro Bay Hotel - San Luis Obispo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	17.7000			

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	25	17.7000			
Total					17.7000

Morro Bay Hotel - San Luis Obispo County, Summer

Morro Bay Hotel
San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	83.00	Room	2.02	120,516.00	0
Parking Lot	45.30	1000sqft	1.04	45,301.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	488.3	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Morro Bay Hotel - San Luis Obispo County, Summer

Project Characteristics - Includes RPS adjustment.

Land Use - Includes 83-room hotel, 45.301ksf asphalt surface

Construction Phase - Construction is based on model defaults. No demolition required.

Grading - 1850 cy imported

Trips and VMT - Const trips based on model defaults.

Architectural Coating - Interior and exterior paint assumes 50 g/L VOC content. Exterior to be largely constructed of pre-finished/colorized materials. Assumes 10ksf exterior paint application.

Energy Use -

Sequestration - 25 trees planted.

Construction Off-road Equipment Mitigation - Includes T3 equipment, 50% CE for watering travel surfaces, 61% CE for watering graded surfaces, 15 mph onsite speed limit

Mobile Land Use Mitigation - Includes ped. connections

Area Mitigation - Includes use of low-VOC paints

Energy Mitigation - Includes high-eff. lighting, exceed T24 by 10%, energy-eff. appliances, 234,936kWh solar system.

Water Mitigation - Includes low-flow fixtures, water-efficient irrigation, 172,236MAWA/94,505ETWU

Waste Mitigation - Includes 50% diversion rate based on existing statewide averages

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	60,258.00	10,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Morro Bay Hotel - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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
tblGrading	MaterialImported	0.00	1,850.00
tblLandUse	LandUseSquareFeet	45,300.00	45,301.00
tblLandUse	LotAcreage	2.77	2.02

Morro Bay Hotel - San Luis Obispo County, Summer

tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	488.3
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSequestration	NumberOfNewTrees	0.00	25.00

2.0 Emissions Summary

Morro Bay Hotel - San Luis Obispo County, Summer

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					
2019	4.4196	45.6456	22.7864	0.0542	18.2442	2.3915	20.6358	9.9779	2.2002	12.1781						5,591.2475
2020	25.9140	22.2223	20.1318	0.0389	0.8174	1.1366	1.9540	0.2196	1.0689	1.2885						3,796.6808
Maximum	25.9140	45.6456	22.7864	0.0542	18.2442	2.3915	20.6358	9.9779	2.2002	12.1781						5,591.2475

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					
2019	1.1263	24.8409	23.6834	0.0542	7.2238	0.9473	8.1711	3.9202	0.9473	4.8674						5,591.2475
2020	25.7313	17.2623	21.1571	0.0389	0.8174	0.9231	1.7405	0.2196	0.9221	1.1417						3,796.6808
Maximum	25.7313	24.8409	23.6834	0.0542	7.2238	0.9473	8.1711	3.9202	0.9473	4.8674						5,591.2475

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.46	37.96	-4.48	0.00	57.81	46.99	56.12	59.40	42.82	55.38	0.00	0.00	0.00	0.00	0.00	0.00

Morro Bay Hotel - San Luis Obispo County, Summer

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	3.3667	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Energy	0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415
Mobile	1.2460	4.2832	11.4634	0.0280	2.3220	0.0346	2.3566	0.6206	0.0326	0.6532						2,823.1541
Total	4.7705	5.7177	12.6814	0.0366	2.3220	0.1437	2.4657	0.6206	0.1416	0.7623						4,554.6256

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	2.7545	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Energy	0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583
Mobile	1.2396	4.2341	11.3091	0.0275	2.2756	0.0340	2.3096	0.6082	0.0320	0.6403						2,771.4532
Total	4.1379	5.5405	12.4196	0.0353	2.2756	0.1333	2.4089	0.6082	0.1314	0.7396						4,348.3414

Morro Bay Hotel - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	13.26	3.10	2.07	3.50	2.00	7.19	2.30	2.00	7.26	2.98	0.00	0.00	0.00	0.00	0.00	4.53

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	10/1/2019	10/7/2019	5	5	
2	Grading	Grading	10/8/2019	10/17/2019	5	8	
3	Building Construction	Building Construction	10/18/2019	9/3/2020	5	230	
4	Paving	Paving	9/4/2020	9/29/2020	5	18	
5	Architectural Coating	Architectural Coating	9/30/2020	10/23/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.04

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 180,774; Non-Residential Outdoor: 10,000; Striped Parking Area: 2,718 (Architectural Coating – sqft)

OffRoad Equipment

Morro Bay Hotel - San Luis Obispo County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

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	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	231.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	70.00	27.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Morro Bay Hotel - San Luis Obispo County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2019

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991						3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298						3,796.2445

Morro Bay Hotel - San Luis Obispo County, Summer

3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						171.7603
Total	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						171.7603

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730						0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462						3,796,244.5
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191						3,796,244.5

Morro Bay Hotel - San Luis Obispo County, Summer

3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						171.7603
Total	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						171.7603

3.3 Grading - 2019

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					6.5949	0.0000	6.5949	3.3739	0.0000	3.3739						0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856						2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	6.5949	1.3974	7.9923	3.3739	1.2856	4.6595						2,960.0361

Morro Bay Hotel - San Luis Obispo County, Summer

3.3 Grading - 2019

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	0.2938	9.9404	2.1368	0.0231	0.5036	0.0598	0.5635	0.1380	0.0572	0.1952						2,488.0778
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402						143.1336
Total	0.3643	10.0011	2.7396	0.0245	0.6519	0.0608	0.7127	0.1773	0.0581	0.2354						2,631.2114

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					2.5720	0.0000	2.5720	1.3158	0.0000	1.3158						0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555						2,960.0361
Total	0.7263	14.8397	18.9906	0.0297	2.5720	0.7555	3.3276	1.3158	0.7555	2.0714						2,960.0361

Morro Bay Hotel - San Luis Obispo County, Summer

3.3 Grading - 2019

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	0.2938	9.9404	2.1368	0.0231	0.5036	0.0598	0.5635	0.1380	0.0572	0.1952						2,488.0778
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402						143.1336
Total	0.3643	10.0011	2.7396	0.0245	0.6519	0.0608	0.7127	0.1773	0.0581	0.2354						2,631.2114

3.4 Building Construction - 2019

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127						2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127						2,607.3635

Morro Bay Hotel - San Luis Obispo County, Summer

3.4 Building Construction - 2019

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
Vendor	0.1236	3.0488	0.9074	5.4600e-003	0.1253	0.0244	0.1497	0.0361	0.0233	0.0594						581.4067
Worker	0.3288	0.2836	2.8130	6.7100e-003	0.6920	4.5800e-003	0.6966	0.1835	4.2200e-003	0.1878						667.9567
Total	0.4524	3.3324	3.7204	0.0122	0.8173	0.0289	0.8463	0.2196	0.0275	0.2472						1,249.3634

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,607.3635

Morro Bay Hotel - San Luis Obispo County, Summer

3.4 Building Construction - 2019

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
Vendor	0.1236	3.0488	0.9074	5.4600e-003	0.1253	0.0244	0.1497	0.0361	0.0233	0.0594						581.4067
Worker	0.3288	0.2836	2.8130	6.7100e-003	0.6920	4.5800e-003	0.6966	0.1835	4.2200e-003	0.1878						667.9567
Total	0.4524	3.3324	3.7204	0.0122	0.8173	0.0289	0.8463	0.2196	0.0275	0.2472						1,249.3634

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503						2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503						2,568.6345

Morro Bay Hotel - San Luis Obispo County, Summer

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0979	2.7865	0.7985	5.4500e-003	0.1253	0.0151	0.1405	0.0361	0.0145	0.0506						580.7982
Worker	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876						647.2481
Total	0.3973	3.0362	3.2833	0.0120	0.8174	0.0196	0.8369	0.2196	0.0186	0.2382						1,228.0463

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,568.6345

Morro Bay Hotel - San Luis Obispo County, Summer

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0979	2.7865	0.7985	5.4500e-003	0.1253	0.0151	0.1405	0.0361	0.0145	0.0506						580.7982
Worker	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876						647.2481
Total	0.3973	3.0362	3.2833	0.0120	0.8174	0.0196	0.8369	0.2196	0.0186	0.2382						1,228.0463

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005						1,818.8830
Paving	0.1514					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.3351	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005						1,818.8830

Morro Bay Hotel - San Luis Obispo County, Summer

3.5 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						184.9280
Total	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						184.9280

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246						1,818.8830
Paving	0.1514					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.5903	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246						1,818.8830

Morro Bay Hotel - San Luis Obispo County, Summer

3.5 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						184.9280
Total	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						184.9280

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.6120					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						281.9928
Total	25.8542	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						281.9928

Morro Bay Hotel - San Luis Obispo County, Summer

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0599	0.0500	0.4970	1.3000e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						129.4496
Total	0.0599	0.0500	0.4970	1.3000e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						129.4496

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.6120					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951						281.9928
Total	25.6714	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951						281.9928

Morro Bay Hotel - San Luis Obispo County, Summer

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0599	0.0500	0.4970	1.3000e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						129.4496
Total	0.0599	0.0500	0.4970	1.3000e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						129.4496

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Morro Bay Hotel - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive 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	1.2396	4.2341	11.3091	0.0275	2.2756	0.0340	2.3096	0.6082	0.0320	0.6403						2,771.453 2
Unmitigated	1.2460	4.2832	11.4634	0.0280	2.3220	0.0346	2.3566	0.6206	0.0326	0.6532						2,823.154 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	678.11	679.77	493.85	1,050,595	1,029,583
Parking Lot	0.00	0.00	0.00		
Total	678.11	679.77	493.85	1,050,595	1,029,583

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

Morro Bay Hotel - San Luis Obispo County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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	0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583
NaturalGas Unmitigated	0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415

Morro Bay Hotel - San Luis Obispo County, Summer

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					
Hotel	14630.3	0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415

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					
Hotel	13.3241	0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583

6.0 Area Detail

6.1 Mitigation Measures Area

Morro Bay Hotel - San Luis Obispo County, Summer

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	2.7545	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Unmitigated	3.3667	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300

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	0.7704					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.5951					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2400e-003	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Total	3.3667	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300

Morro Bay Hotel - San Luis Obispo County, Summer

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	0.1582					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.5951					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2400e-003	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Total	2.7546	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet
Install Low Flow Kitchen Faucet
Install Low Flow Toilet
Install Low Flow Shower
Use Water Efficient Irrigation System
Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Morro Bay Hotel - San Luis Obispo County, Summer

9.0 Operational Offroad

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

Equipment Type	Number
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11.0 Vegetation

Morro Bay Hotel - San Luis Obispo County, Winter

Morro Bay Hotel
San Luis Obispo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	83.00	Room	2.02	120,516.00	0
Parking Lot	45.30	1000sqft	1.04	45,301.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	488.3	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Morro Bay Hotel - San Luis Obispo County, Winter

Project Characteristics - Includes RPS adjustment.

Land Use - Includes 83-room hotel, 45.301ksf asphalt surface

Construction Phase - Construction is based on model defaults. No demolition required.

Grading - 1850 cy imported

Trips and VMT - Const trips based on model defaults.

Architectural Coating - Interior and exterior paint assumes 50 g/L VOC content. Exterior to be largely constructed of pre-finished/colorized materials. Assumes 10ksf exterior paint application.

Energy Use -

Sequestration - 25 trees planted.

Construction Off-road Equipment Mitigation - Includes T3 equipment, 50% CE for watering travel surfaces, 61% CE for watering graded surfaces, 15 mph onsite speed limit

Mobile Land Use Mitigation - Includes ped. connections

Area Mitigation - Includes use of low-VOC paints

Energy Mitigation - Includes high-eff. lighting, exceed T24 by 10%, energy-eff. appliances, 234,936kWh solar system.

Water Mitigation - Includes low-flow fixtures, water-efficient irrigation, 172,236MAWA/94,505ETWU

Waste Mitigation - Includes 50% diversion rate based on existing statewide averages

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	60,258.00	10,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Morro Bay Hotel - San Luis Obispo County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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
tblGrading	MaterialImported	0.00	1,850.00
tblLandUse	LandUseSquareFeet	45,300.00	45,301.00
tblLandUse	LotAcreage	2.77	2.02

Morro Bay Hotel - San Luis Obispo County, Winter

tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	488.3
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSequestration	NumberOfNewTrees	0.00	25.00

2.0 Emissions Summary

Morro Bay Hotel - San Luis Obispo County, Winter

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					
2019	4.4312	45.6555	22.7705	0.0538	18.2442	2.3915	20.6358	9.9779	2.2002	12.1781						5,549.6813
2020	25.9224	22.2422	20.1651	0.0384	0.8174	1.1371	1.9544	0.2196	1.0693	1.2890						3,748.9133
Maximum	25.9224	45.6555	22.7705	0.0538	18.2442	2.3915	20.6358	9.9779	2.2002	12.1781						5,549.6813

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					
2019	1.1780	24.9265	23.6676	0.0538	7.2238	0.9473	8.1711	3.9202	0.9473	4.8674						5,549.6813
2020	25.7397	17.2822	21.1903	0.0384	0.8174	0.9236	1.7409	0.2196	0.9226	1.1422						3,748.9133
Maximum	25.7397	24.9265	23.6676	0.0538	7.2238	0.9473	8.1711	3.9202	0.9473	4.8674						5,549.6813

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.32	37.83	-4.48	0.00	57.81	46.98	56.12	59.40	42.81	55.38	0.00	0.00	0.00	0.00	0.00	0.00

Morro Bay Hotel - San Luis Obispo County, Winter

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	3.3667	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Energy	0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415
Mobile	1.2111	4.4289	12.0931	0.0269	2.3220	0.0351	2.3571	0.6206	0.0330	0.6537						2,710.1785
Total	4.7356	5.8633	13.3112	0.0355	2.3220	0.1441	2.4662	0.6206	0.1421	0.7627						4,441.6500

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	2.7545	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Energy	0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583
Mobile	1.2048	4.3769	11.9472	0.0264	2.2756	0.0345	2.3101	0.6082	0.0325	0.6407						2,660.4022
Total	4.1031	5.6833	13.0577	0.0342	2.2756	0.1338	2.4094	0.6082	0.1318	0.7400						4,237.2905

Morro Bay Hotel - San Luis Obispo County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	13.36	3.07	1.90	3.58	2.00	7.16	2.30	2.00	7.24	2.98	0.00	0.00	0.00	0.00	0.00	4.60

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	10/1/2019	10/7/2019	5	5	
2	Grading	Grading	10/8/2019	10/17/2019	5	8	
3	Building Construction	Building Construction	10/18/2019	9/3/2020	5	230	
4	Paving	Paving	9/4/2020	9/29/2020	5	18	
5	Architectural Coating	Architectural Coating	9/30/2020	10/23/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.04

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 180,774; Non-Residential Outdoor: 10,000; Striped Parking Area: 2,718 (Architectural Coating – sqft)

OffRoad Equipment

Morro Bay Hotel - San Luis Obispo County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

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	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	231.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	70.00	27.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Morro Bay Hotel - San Luis Obispo County, Winter

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2019

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991						3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298						3,796.2445

Morro Bay Hotel - San Luis Obispo County, Winter

3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						163.7294
Total	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						163.7294

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730						0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462						3,796.2445
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191						3,796.2445

Morro Bay Hotel - San Luis Obispo County, Winter

3.2 Site Preparation - 2019

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						163.7294
Total	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483						163.7294

3.3 Grading - 2019

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					6.5949	0.0000	6.5949	3.3739	0.0000	3.3739						0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856						2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	6.5949	1.3974	7.9923	3.3739	1.2856	4.6595						2,960.0361

Morro Bay Hotel - San Luis Obispo County, Winter

3.3 Grading - 2019

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	0.3016	10.0178	2.2754	0.0228	0.5036	0.0611	0.5647	0.1380	0.0585	0.1964						2,453.2040
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402						136.4411
Total	0.3818	10.0868	2.8650	0.0241	0.6519	0.0621	0.7140	0.1773	0.0594	0.2366						2,589.6452

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					2.5720	0.0000	2.5720	1.3158	0.0000	1.3158						0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555						2,960.0361
Total	0.7263	14.8397	18.9906	0.0297	2.5720	0.7555	3.3276	1.3158	0.7555	2.0714						2,960.0361

Morro Bay Hotel - San Luis Obispo County, Winter

3.3 Grading - 2019

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	0.3016	10.0178	2.2754	0.0228	0.5036	0.0611	0.5647	0.1380	0.0585	0.1964						2,453.2040
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402						136.4411
Total	0.3818	10.0868	2.8650	0.0241	0.6519	0.0621	0.7140	0.1773	0.0594	0.2366						2,589.6452

3.4 Building Construction - 2019

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127						2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127						2,607.3635

Morro Bay Hotel - San Luis Obispo County, Winter

3.4 Building Construction - 2019

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
Vendor	0.1300	3.0382	1.0199	5.3100e-003	0.1253	0.0250	0.1504	0.0361	0.0240	0.0600						564.5010
Worker	0.3741	0.3219	2.7515	6.3900e-003	0.6920	4.5800e-003	0.6966	0.1835	4.2200e-003	0.1878						636.7253
Total	0.5041	3.3602	3.7714	0.0117	0.8173	0.0296	0.8470	0.2196	0.0282	0.2478						1,201.2264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,607.3635

Morro Bay Hotel - San Luis Obispo County, Winter

3.4 Building Construction - 2019

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
Vendor	0.1300	3.0382	1.0199	5.3100e-003	0.1253	0.0250	0.1504	0.0361	0.0240	0.0600						564.5010
Worker	0.3741	0.3219	2.7515	6.3900e-003	0.6920	4.5800e-003	0.6966	0.1835	4.2200e-003	0.1878						636.7253
Total	0.5041	3.3602	3.7714	0.0117	0.8173	0.0296	0.8470	0.2196	0.0282	0.2478						1,201.2264

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503						2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503						2,568.6345

Morro Bay Hotel - San Luis Obispo County, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.1035	2.7727	0.8992	5.2900e-003	0.1253	0.0156	0.1409	0.0361	0.0149	0.0510						563.3302
Worker	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876						616.9486
Total	0.4448	3.0561	3.3166	0.0115	0.8174	0.0200	0.8374	0.2196	0.0190	0.2386						1,180.2788

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036						2,568.6345

Morro Bay Hotel - San Luis Obispo County, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.1035	2.7727	0.8992	5.2900e-003	0.1253	0.0156	0.1409	0.0361	0.0149	0.0510						563.3302
Worker	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876						616.9486
Total	0.4448	3.0561	3.3166	0.0115	0.8174	0.0200	0.8374	0.2196	0.0190	0.2386						1,180.2788

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005						1,818.8830
Paving	0.1514					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.3351	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005						1,818.8830

Morro Bay Hotel - San Luis Obispo County, Winter

3.5 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0975	0.0810	0.6907	1.7700e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						176.2710
Total	0.0975	0.0810	0.6907	1.7700e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						176.2710

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246						1,818.8830
Paving	0.1514					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.5903	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246						1,818.8830

Morro Bay Hotel - San Luis Obispo County, Winter

3.5 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0975	0.0810	0.6907	1.7700e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						176.2710
Total	0.0975	0.0810	0.6907	1.7700e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536						176.2710

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.6120					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						281.9928
Total	25.8542	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						281.9928

Morro Bay Hotel - San Luis Obispo County, Winter

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0683	0.0567	0.4835	1.2400e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						123.3897
Total	0.0683	0.0567	0.4835	1.2400e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						123.3897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.6120					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951						281.9928
Total	25.6714	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951						281.9928

Morro Bay Hotel - San Luis Obispo County, Winter

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0683	0.0567	0.4835	1.2400e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						123.3897
Total	0.0683	0.0567	0.4835	1.2400e-003	0.1384	8.9000e-004	0.1393	0.0367	8.2000e-004	0.0375						123.3897

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Morro Bay Hotel - San Luis Obispo County, Winter

	ROG	NOx	CO	SO2	Fugitive 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	1.2048	4.3769	11.9472	0.0264	2.2756	0.0345	2.3101	0.6082	0.0325	0.6407						2,660.402 2
Unmitigated	1.2111	4.4289	12.0931	0.0269	2.3220	0.0351	2.3571	0.6206	0.0330	0.6537						2,710.178 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	678.11	679.77	493.85	1,050,595	1,029,583
Parking Lot	0.00	0.00	0.00		
Total	678.11	679.77	493.85	1,050,595	1,029,583

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

Morro Bay Hotel - San Luis Obispo County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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	0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583
NaturalGas Unmitigated	0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415

Morro Bay Hotel - San Luis Obispo County, Winter

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					
Hotel	14630.3	0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.1578	1.4343	1.2049	8.6100e-003		0.1090	0.1090		0.1090	0.1090						1,731.4415

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					
Hotel	13.3241	0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.1437	1.3063	1.0973	7.8400e-003		0.0993	0.0993		0.0993	0.0993						1,576.8583

6.0 Area Detail

6.1 Mitigation Measures Area

Morro Bay Hotel - San Luis Obispo County, Winter

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	2.7545	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Unmitigated	3.3667	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300

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	0.7704					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.5951					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2400e-003	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Total	3.3667	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300

Morro Bay Hotel - San Luis Obispo County, Winter

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	0.1582					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.5951					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2400e-003	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300
Total	2.7546	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005						0.0300

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet
Install Low Flow Kitchen Faucet
Install Low Flow Toilet
Install Low Flow Shower
Use Water Efficient Irrigation System
Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Morro Bay Hotel - San Luis Obispo County, Winter

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

**ATTACHMENT C:
BIOLOGICAL RESOURCES ASSESSMENT**



Kevin Merk Associates, LLC | P.O. Box 318, San Luis Obispo, CA 93406 | 805-748-5837

May 23, 2018

Mr. Hemant Patel
AZSA Hospitality, LLC
590 Morro Avenue
Morro Bay, California 93442

**Subject: Biological Resources Assessment for the Atascadero Road Hotel Project,
Morro Bay, San Luis Obispo County, California**

Dear Mr. Patel:

At your request, Kevin Merk Associates, LLC (KMA) conducted a biological resources assessment for the proposed development of a hotel on Atascadero Road west of Highway 1 in the City of Morro Bay, San Luis Obispo County, California. The proposed project, as shown on the Arris Studio Architects' site plan (1/12/2018), is sited on two parcels identified by Assessors Parcel Numbers 065-182-003 and -004. The purpose of the investigation was to evaluate the existing conditions of the proposed project area, assess the potential for special status species to occur in the study area, and provide an assessment of biological resources that may be affected by the construction of the proposed project to help support the City of Morro Bay's environmental review process.

The site is located on Atascadero Road, which is the terminus of Highway 41, immediately to the west of Highway 1. The property is an undeveloped flat lot situated in an existing developed area with Morro Bay High School located to the north, Highway 1 to the east, the entrance driveway to Morro Bay High School and a youth center to the west, and the Motel 6 located across the street to the south. The project would develop the entire study area with a hotel and associated parking and landscaping. Trees along the western and northern property boundaries are offsite and would not be removed. Please refer to the attached Site Location Map (Figure 1) and Aerial Overview Map (Figure 2) for additional location information. Following are the methods and results of the investigation.

METHODS

Prior to field work, a list of special-status plants and wildlife potentially occurring onsite was developed based on our knowledge of the region, review of biological reports prepared from the area, and a query of the California Natural Diversity Database maintained by the California Department of Fish and Wildlife (CDFW; reviewed in February and April 2018). In addition, the California Native Plant Society's On-Line Inventory of Rare and Endangered Vascular Plants of California (CNPS; *Inventory*) was reviewed to ensure a thorough list of rare plants was developed. The CNDDDB search range included three U.S. Geological Survey 7.5-minute topographic quadrangles: 1) Morro Bay North; 2) Morro Bay South; and 3) Cayucos. This was determined to be a sufficient search radius around the site to identify special status resources that could potentially be present. It should be noted that the CNDDDB and *Inventory* are based



solely on reported occurrences and do not constitute an exhaustive inventory of all special-status species that occur in a given area and thus, serve only as predictive tools. Special-status species included on the target list are those species known to occur in coastal habitats in the project region, and were the focus of the survey efforts.

Discussions of plant communities herein use the classifications and terminology included in the Manual of California Vegetation, second edition (Sawyer, Keeler-Wolf and Evens, 2009), and Robert F. Holland's *Preliminary Description of the Terrestrial Natural Communities of California* (1986), which are consistent with current CNDDB classifications. Plant taxonomy follows the Jepson Manual, second edition (Baldwin et al., 2012) as updated online. In addition, the Consortium of California Herbaria and the Calflora online databases were searched for information on special status plants occurring in the region.

For the purpose of this report, special status species are those plants and animals listed, proposed for listing, or candidates for listing as threatened or endangered by the USFWS under the federal Endangered Species Act (ESA); those listed or proposed for listing as rare, threatened, or endangered by the CDFW under the California Endangered Species Act (CESA); animals designated as "Species of Special Concern," "Fully Protected," or "Watch List" by the CDFW; and plants occurring on California Rare Plant Ranks (CRPR) 1, 2, 3 and 4 developed by the CDFW working in concert with the CNPS. The specific code definitions are as follows:

- 1A = Plants presumed extinct in California;
- 1B.1 = Rare or endangered in California and elsewhere; seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat);
- 1B.2 = Rare or endangered in California and elsewhere; fairly endangered in California (20-80% occurrences threatened);
- 1B.3 = Rare or endangered in California and elsewhere, not very endangered in California (<20% of occurrences threatened or no current threats known);
- 2 = Rare, threatened or endangered in California, but more common elsewhere;
- 3 = Plants needing more information (most are species that are taxonomically unresolved; some species on this list meet the definitions of rarity under CNPS and CESA);
- 4.2 = Plants of limited distribution (watch list), fairly endangered in California (20-80% occurrences threatened); and
- 4.3 = Plants of limited distribution (watch list), not very endangered in California.

During the field visits, all vascular plant species observed were identified primarily in accordance with the nomenclature presented in the Jepson Manual, second edition (Baldwin et al. 2012). Species not readily identifiable in the field were brought to the office for further analysis, and identified using dichotomous keys in the Jepson Manual and Hoover's *The Vascular Plants of San Luis Obispo County California* (1970). The surveys generally followed accepted protocol developed by the CDFW and CNPS, which means that the entire property was traversed on foot by walking evenly spaced meandering transects to ensure thorough coverage



of the area, and the survey was floristic in nature, and all plants observed were identified to a sufficient level to determine rarity. Seasonally timed botanical surveys were conducted to determine the presence or absence of rare plants within the study area, and the results are included herein.

KMA's Principal Biologist Kevin Merk conducted field reconnaissance of the property on February 9, 2018 and March 26, 2018. An additional visit was conducted on April 27, 2018 to identify all plants onsite. Weather during the field surveys was generally clear, temperatures averaged approximately 60° Fahrenheit with winds ranging from zero to five miles per hour out of the west. The site perimeter and proposed development area was inspected on foot to evaluate existing conditions and assess the potential occurrence of species status species. Binoculars were also used in the field to identify birds and wildlife activity onsite and adjacent to the site to help with the overall assessment of the property's potential to support special-status plant and animal species.

Aerial imagery obtained from Google Earth (2018) was also inspected prior to, during and following the field surveys to define the current extent of on-site plant community boundaries and assist in identifying potential habitat for special-status species. The National Wetland Inventory and Critical Habitat Portal maintained by the U.S. Fish and Wildlife Service (USFWS) were reviewed to identify the extent of mapped drainages, wetlands and critical habitat for federal threatened or endangered species in the immediate area. In addition, the Natural Resource Conservation Service's Web Soil Survey was queried to assist in our plant community and floristic survey effort.

The evaluation of special status species and identification of habitat conditions that could support these species was based on our field observations, knowledge of the particular species biology, and review of documented records included in the CNDDDB, resulting in the development of a habitat suitability analysis. Wildlife observations were made during each survey and were used to assist with the special status species assessment (refer to Table 1 included as an attachment).

To assess the potential occurrence of the federal endangered Morro shoulderband snail (*Helminthoglypta walkeriana*; MSS), all the property was thoroughly examined to search for suitable habitat and empty shells. Survey efforts searched for woody refuse, woody scrub vegetation, areas of detritus or debris, shrubs, fence lines, and ground cover plants that could potentially provide habitat or shelter for MSS.

The investigation also evaluated the site for the presence of Environmentally Sensitive Habitat Area (ESHA) pursuant to the California Coastal Act. A variety of plant communities within the Coastal Zone meet the definition of ESHA (Coastal Act Section 30107.5), including riparian areas, wetlands, maritime chaparral and special status species habitat. The California Coastal Commission (CCC), with technical assistance from the CDFW, is responsible for protecting ESHA within the Coastal Zone, and have required local agencies such as the City of Morro Bay to develop policies aimed at protecting and preserving these areas. For wetland habitats, the CCC and CDFW rely on the USFWS wetland definition and classification system developed by Cowardin et al. (1979) titled, *Classification of Wetlands and Deep Water Habitats of the United States*, as the methodology for wetland determinations. The CCC requires the presence of only



one wetland parameter (e.g., wetland hydrology, hydric soils, or predominance of hydrophytic vegetation) for an area to qualify as a coastal wetland. Section 30121 of the California Coastal Act, the statute governing the CCC, broadly defines wetlands as:

"Lands within the coastal zone which may be covered periodically or permanently with shallow water and include saltwater marshes, freshwater marshes, open or closed brackish water marshes, swamps, mudflats, or fens."

The 1981 CCC Statewide Interpretive Guidelines define riparian habitats as areas of riparian vegetation. Riparian habitats may encompass wetland areas, but may also extend beyond those areas. Riparian vegetation is defined as

"an association of plant species which grows adjacent to freshwater watercourses, including perennial and intermittent streams, lakes, and other bodies of fresh water."

The City of Morro Bay CLUP Chapter XII provides definitions of ESHA within the City limits, and identifies coastal streams and riparian areas as follows:

"A Stream or a River is a natural watercourse as designated by a solid line or dash and three dots symbol as shown on the USGS Survey map most recently published, or any well-defined channel with distinguishable bed and bank that shows evidence of having contained flowing water as indicated by scour or deposit of rock, sand, gravel, soil, or debris."

Following are the results of the investigation:

RESULTS

The project is located on an undeveloped lot at the corner of Atascadero Road (Highway 41) and Highway 1, immediately adjacent to Morro Bay High School. The property is flat and composed of weedy annual grasses and forbs surrounded by chain link fence. The 2018 field surveys identified disturbed annual grassland as the primary habitat type onsite. A windrow of Monterey cypress (*Hesperocyparis macrocarpa*) is present just offsite of the western and northern sides of the property, and only the outer tree canopy extends onto the site. No special status plants were observed onsite, and none are expected to occur due to the regular cycle of disturbance from historic land uses onsite (i.e. annual mowing) and predominance of non-native weedy species. Given the site's proximity to existing development and being setback from the immediate coastline, no special status wildlife are expected to occur onsite. No habitats constituting ESHA were identified onsite. Review of the provided site plan confirmed the location of proposed development is confined to disturbed areas, and no special status biological resources would be directly impacted.

Included as attachments to this report are Figure 1, Site Location Map; Figure 2, Aerial Overview Map; Figure 3, Habitat Map; Figure 4, Soils Map; Figure 5, CNDDDB Plants Map; and Figure 6, CNDDDB Animals Map. Table 1 includes a list of special status biological resources evaluated in this investigation, and Table 2 provides a list of plants observed onsite during field surveys. A Photo Plate has also been included to aid in the existing conditions characterization.



The following discussion describes the existing conditions of the property and provides a special status species analysis.

Habitat Types

Annual Grassland (Disturbed)

The entire property consists of weedy non-native annual grasses and forbs typical of undeveloped lots along the coast that are regularly mowed. Some bare soils and old road fill and base material was present along the Atascadero Road frontage, which is more indicative of developed or ruderal (disturbed) areas. Patchy occurrences of horticultural plantings were also observed along the fenceline along Atascadero Road. Grasses observed during the surveys included wild oats (*Avena barbata*), ripgut brome (*Bromus diandrus*), soft chess (*Bromus hordeaceus*), and red brome (*Bromus madritensis* ssp. *rubens*). Broad-leaved forbs observed onsite included red-stemmed filaree (*Erodium cicutarium*), mallow (*Malva nicaeensis*), common plantain (*Plantago lanceolata*), summer mustard (*Hirschfeldia incana*), and prickly sow thistle (*Sonchus asper*).

While birds such as western gull (*Larus occidentalis*) were observed flying over the site, the only wildlife observed onsite was pocket gopher (*Thomomys bottae*). Several holes and old tailings were observed scattered across the site.

Monterey Cypress Windrow

A windrow of Monterey cypress trees is present just offsite along the western and northern boundaries of the study area. It was a monoculture of trees planted along the Morro Bay High School entrance driveway and parking lot. The Habitat Map shows the tree canopy (and some shading) extending over the fenceline. A bike path is also present just offsite under the cypress canopy, and little to no vegetation was present in the understory. Large trees in urban areas can provide habitat for numerous birds, but no nest sites, including raptor stick nests, were observed during the field work. Still the windrow could provide perching and foraging habitat for numerous bird species, as well as potentially support nesting activities during the spring and summer nesting season.

Soils

The USDA Soil Survey for the Coastal Part of San Luis Obispo County, California and the NRCS Web Soil Survey identify Psamments and Fluvents, occasionally flooded as the soil map unit on the subject property and surrounding area. This appears to be an old map unit apparently designated for the area when Morro Creek may have meandered through the area. Along the Atascadero Road/Highway 41 frontage, imported fill and road base was present. Elsewhere across the site, sandy loam material with a darker surface coloration was present.



Natural Drainage Features

The site is a flat lot with no natural drainage features present. The closest drainage feature with a defined bed and bank is Morro Creek further to the south, which is separated from the property by existing development, including two hotels and Lila Kieser Park.

Special-Status Plants and Plant Communities of Special Concern

No special status plants or plant communities were observed within the study area during the 2018 field work. The CNDDDB identifies numerous special-status plants and plant communities of special concern that have been found to occur within the general vicinity of the property. Special status plant communities known to occur in the area include: coastal dune scrub, coastal foredune, coastal and valley freshwater marsh, maritime chaparral, riparian and serpentine bunchgrass. No special status plants or plant communities are expected to occur onsite.

The rare plants known to occur in the project vicinity are primarily associated with coastal dune habitats further west along the immediate coastline. Others are found in aquatic habitats along drainages and in serpentine soils on hills and mountains surrounding Morro Bay. A list of the special-status plants identified by the CNDDDB within five miles of the project site is illustrated on the attached Figure 5, and further detail is provided in the attached Table 1, Special Status Biological Resources Known to Occur in the Project Vicinity. The disturbed nature of the site does not provide suitable habitat for any of the special status plants or plant communities evaluated in this study, and as stated above, none are expected to occur onsite.

Special Status Wildlife

The 2018 CNDDDB search conducted for this report contains records of numerous special status animal species within five miles of the site (refer to Figure 6 – CNDDDB Animals Map). Nearly all of these species have highly specialized habitat requirements that are not present onsite. The federal threatened California red-legged frog (*Rana draytonii*) for instance is a highly aquatic amphibian that is known to occur in nearby drainage features, but the project site is situated on a flat level lot surrounded by development. The site does not contain any natural drainage features or suitable aquatic habitat for the red-legged frog, and this species would not be expected to occur onsite. Similarly, other aquatic reptiles and fish (i.e., western pond turtle, two-striped garter snake, tidewater goby, and southern steelhead) are, therefore, not expected to occur within the study area or be affected by the proposed project based on the lack of suitable habitat.

Since the proposed development area is highly disturbed from years of mowing, coastal scrub habitat for species such as the legless lizard (*Anniella pulchra*) and coast horned lizard (*Phrynosoma blainvillii*) is not present, and therefore reptiles known to occur in scrub habitats are not expected to occur. Given the proximity of the site to the Pacific Ocean, the CNDDDB search identified numerous coastal species that are known from coastal sand dunes to the west and southwest of the study area. Therefore, species such as the California black rail (*Laterallus jamaicensis coturniculus*), Morro Bay blue butterfly (*Icaricia icarioides moroensis*), and western snowy plover (*Charadrius nivosus* ssp. *nivosus*) are also not expected to occur onsite based on



the lack of suitable habitat.

Monarch butterflies (*Danaus plexippus*) are known to overwinter in the Morro Bay area further south of the site, and historic occurrences were identified to the north and south of the site. Inspection of the cypress windrow on the study area confirmed that it did not have sufficient structure or proximity to food and water sources to create the micro-climate needed to provide suitable overwintering habitat. Windrows lack the more complex structure needed to protect butterflies and buffer them from wind and cold temperatures during winter storm events.

Other invertebrate species with known occurrences in the immediate area include the federal endangered Morro shoulderband snail (*Helminthoglypta walkeriana*; MSS). The MSS is associated with coastal dune and coastal sage scrub habitats occurring on sandy soils (Baywood fine sands) around the Los Osos and Morro Bay area. Native plant species associated with MSS include mock heather (*Ericameria ericoides*), coast buckwheat (*Eriogonum parvifolium*), dune bush lupine (*Lupinus chamissonis*), deerweed (*Acmispon glaber*), California croton (*Croton californicus*), seaside golden yarrow (*Eriophyllum staechadifolium*), black sage (*Salvia mellifera*) and California sagebrush (*Artemisia californica*). MSS is also commonly found in association with non-native plant species such as veldt grass (*Ehrharta calycina*) and ice plant (*Carpobrotus chilensis* and *C. edulis*) that have overtaken historic dune scrub areas. MSS has also been found in and around anthropogenic structures or debris/garbage (i.e.: building foundations, woodpiles, cardboard, etc.) in the Los Osos area.

The site does not support suitable MSS habitat since coastal dune scrub/sage scrub habitat, iceplant mats or clumps of veldt grass are not present. In addition, the onsite soils are disturbed from their original sandy dune nature, and no suitable anthropogenic habitat (i.e., old debris piles) was present onsite that could provide shelter for this species. As stated above, fill material/road base was observed along the Atascadero Road frontage to the south, the bike trail to the west and north, and Highway 1 off ramp to the east. The February site visit occurred following rain events, and no old shells or live individuals were observed onsite. Moreover, the site is separated from known occurrences to the west by existing development and a windrow of Monterey cypress trees. Cypress trees are known to create a movement barrier for the species, especially when no understory vegetation is present. Therefore, based on the lack of suitable habitat and separation from known occurrences by existing development and a Monterey cypress windrow, MSS is not expected to occur onsite.

Although no special status wildlife were observed during the surveys, suitable habitat for nesting birds protected under the Migratory Bird Treaty Act and California Fish and Game Code was present in the Monterey cypress windrow just offsite to the west and north. No nests were observed during the 2018 field work, but birds could utilize the trees offsite in the future.

IMPACT ANALYSIS AND RECOMMENDED MITIGATION MEASURE

The proposed project is the construction of a hotel and associated parking and landscaping that will cover the entire study area shown on Figure 3, the Habitat Map. The disturbed annual grassland is not a sensitive or special status plant community, and does not support special status species of plants or wildlife. Therefore, impacts to disturbed grassy areas on the property would be considered less than significant pursuant to the California Environmental



Quality Act (CEQA) and would not require mitigation. Based on review of the site plan prepared by Arris Studio Architects (January 2018), the project would not affect the Monterey cypress trees adjacent to the site. Still, nesting birds could be present on a seasonal basis in these trees, and construction activities as well as trimming or removing trees could adversely affect their nesting activities. The following mitigation measure is provided to avoid impacts to birds protected under the MBTA and CFGC.

Mitigation Measure for Nesting Birds. To avoid impacts to nesting birds, including raptors, for construction activities occurring between February 15th and August 31st, a pre-construction survey for active bird nests within the limits of the project extending into the neighboring tree canopies should be conducted by a qualified biologist. Surveys should be conducted within two weeks prior to construction activities. If no active nests are located, construction activities can proceed. If active nests are located, then all construction work should be conducted outside a non-disturbance buffer zone to be developed by the project biologist based on the species (i.e., 50 feet for common species and upwards of 250 feet for raptors), slope aspect and surrounding vegetation in proximity to the nest site. No direct disturbance to nests should occur until the young are no longer reliant on the nest site as determined by the project biologist. The biologist should conduct monitoring of the nest until all young have fledged.

Implementation of the above recommended avoidance and mitigation measure would be sufficient to ensure project related impacts to nesting birds are less than significant from a CEQA perspective.

CONCLUSION

The site consists of disturbed grassland dominated by weedy species that is mowed on a regular basis. The proposed project, consisting of the construction of a hotel, parking and associated landscaping, would be sited entirely within the disturbed grassy areas and would not affect any native habitat. The investigation determined that no special-status plants or plant communities (including ESHA), are present onsite. Based on the lack of suitable habitat and separation from native habitat areas to the south and west by existing development, no special status wildlife such as the Morro shoulderband snail are expected to occur on the property. With the presence of large Monterey cypress trees immediately adjacent to the west and north sides of the property, nesting birds could occur on a seasonal basis. As such, a mitigation measure is provided above that would avoid potential project related impacts to nesting birds and ensure impacts to biological resources are less than significant pursuant to CEQA.

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Thank you for the opportunity to provide environmental consulting services for this project. I trust the above information is sufficient to assist with your reporting requirements at this time. If you have any questions regarding the above findings, please contact me directly.






Sincerely,
Kevin Merk Associates, LLC

A handwritten signature in blue ink that reads 'Kevin Merk'.

Kevin B. Merk
Principal Biologist

*Attachments: Figure 1 – Site Location Map;
Figure 2 – Aerial Overview Map;
Figure 3 – Habitat Map;
Figure 4 – Soils Map;
Figure 5 – CNDDDB Plants Map;
Figure 6 – CNDDDB Animals Map;
Table 1 – Special Status Biological Resources Known to Occur in the Project Vicinity;
Table 2 – List of Plants Observed Onsite During Field Surveys; and
Photo Plate*



-  Study Area Boundary
- NWI Wetland (Febuary 2018)**
-  Freshwater Forested/Shrub Wetland
-  Riverine
-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

MORRO BAY HIGH SCHOOL



Atascadero Road

1

0 500 1,000
Feet

Additional Sources: National Wetlands Inventory

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

 Study Area Boundary
 Mowed Grassland



0 125 250 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community





Study Area Boundary

Soil Type

Concepcion loam, 2-5% slopes

Diablo and Cibo clays, 9-15% slopes

Dune land

Lodo clay loam, 15-30% slopes

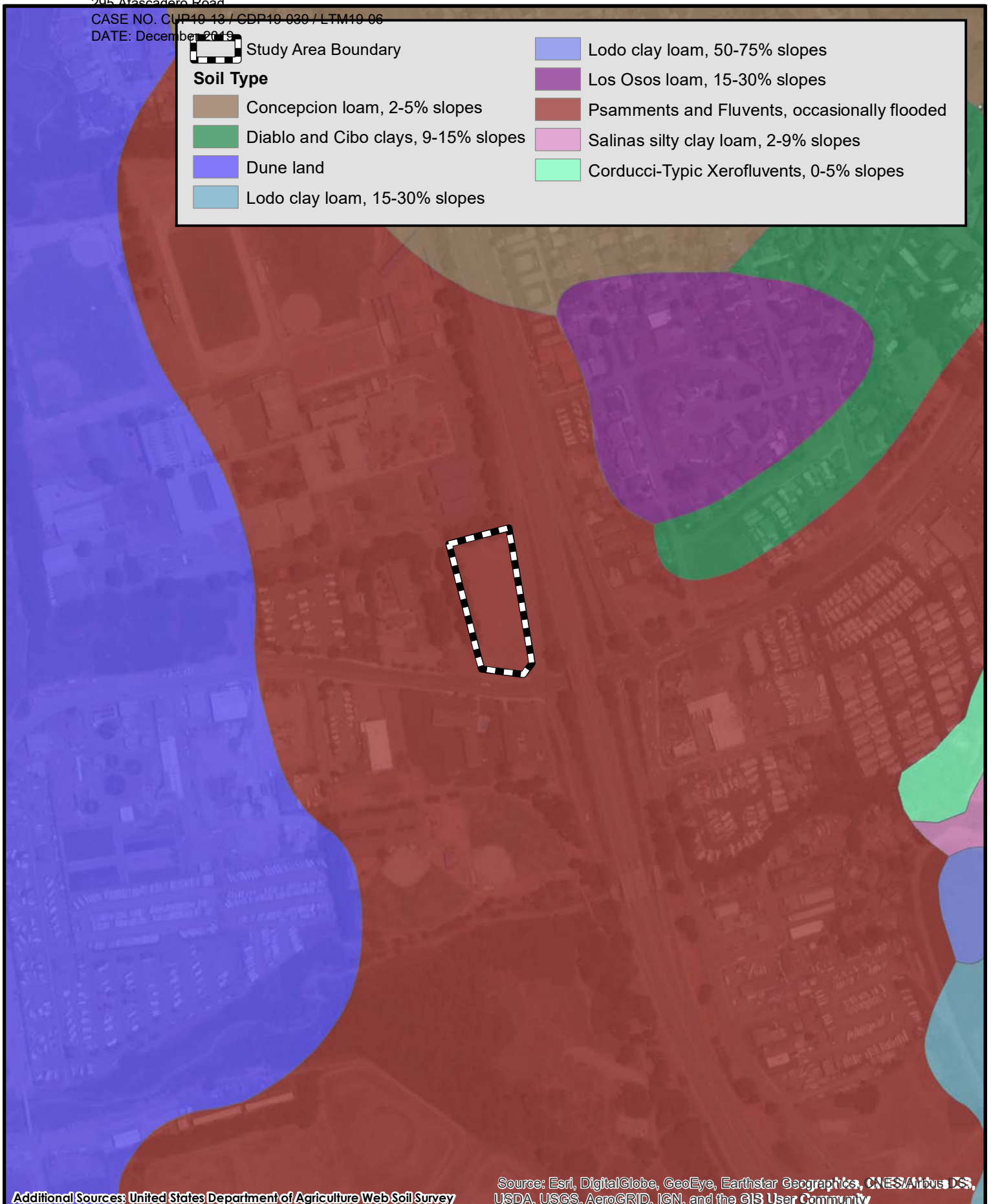
Lodo clay loam, 50-75% slopes

Los Osos loam, 15-30% slopes

Psamments and Fluvents, occasionally flooded

Salinas silty clay loam, 2-9% slopes

Corducci-Typic Xerofluvents, 0-5% slopes



Additional Sources: United States Department of Agriculture Web Soil Survey

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



KEVIN MERK ASSOCIATES
CITY OF MORRO BAY



1 in = 500 feet

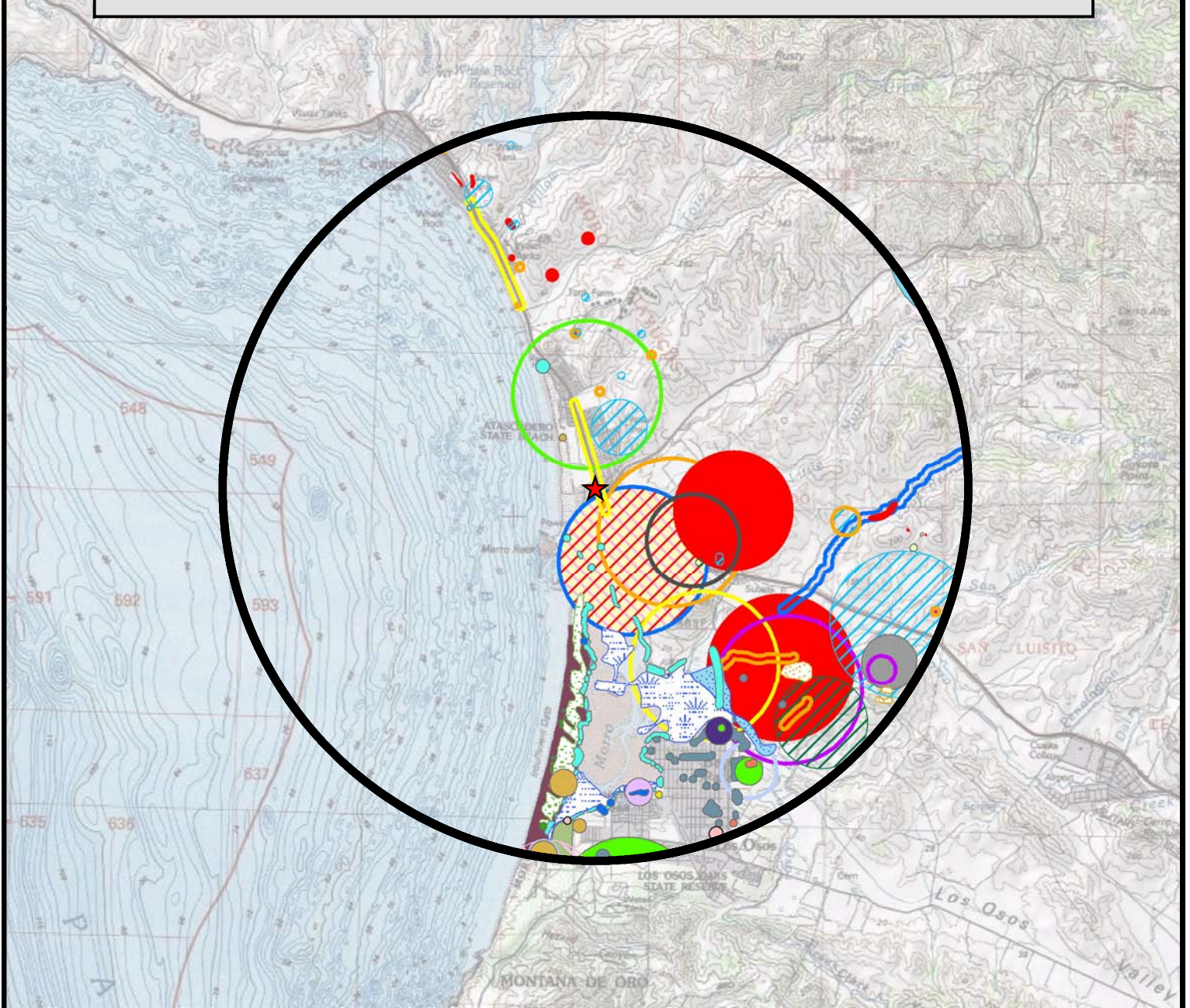
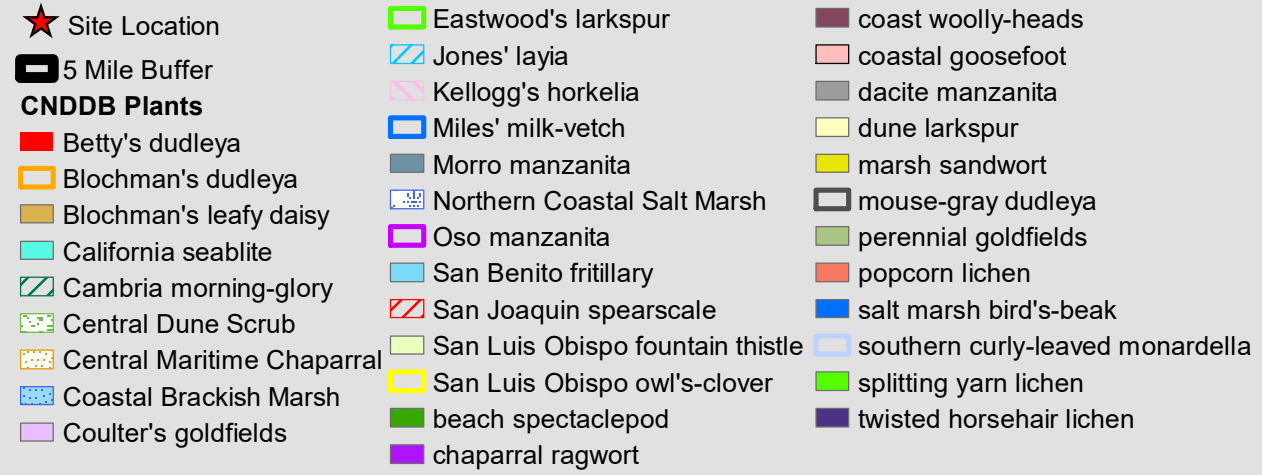
Atascadero Hotel

AZSA Hospitality, LLC

Figure 4

Soils Map

DATE: December 2019



Additional Sources: California Department of Fish and Wildlife (CNDDDB), January 2018

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★ Site Location

5 Mile Buffer

CNDDDB Animals

California Ridgway's rail

California black rail

California red-legged frog

Cooper's hawk

Morro Bay blue butterfly

Morro Bay kangaroo rat

Morro shoulderband (=banded dune) snail

Townsend's big-eared bat

big free-tailed bat

coast horned lizard

globose dune beetle

mimic tryonia (=California brackishwater snail)

monarch - California overwintering population

northern California legless lizard

obscure bumble bee

pallid bat

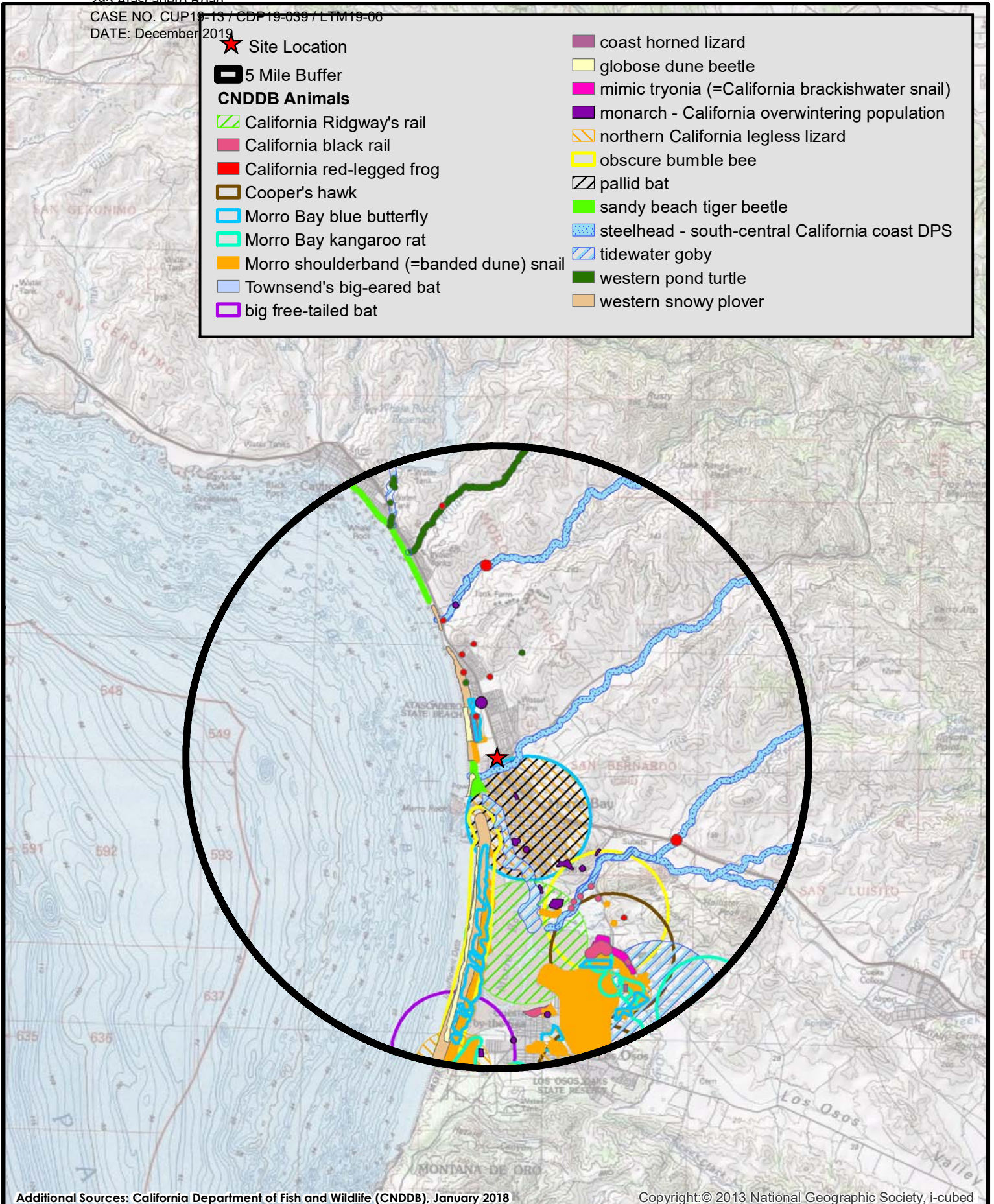
sandy beach tiger beetle

steelhead - south-central California coast DPS

tidewater goby

western pond turtle

western snowy plover



Additional Sources: California Department of Fish and Wildlife (CNDDDB), January 2018

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Table 1. Special Status Biological Resources Known to Occur in the Project Vicinity:

Species	Status* Fed/CA/CDFW	Habitat Requirements	Project Site Suitability/Observations
LICHENS/BRYOPHYTES			
Firm cup lichen <i>Cladonia firma</i>	--/--/2B	Lichen known from maritime habitats in Europe and North America on stabilized sand dunes on the coast. Documented in the Morro Bay/Los Osos area on sands of marine origin.	No suitable habitat present onsite. Not expected to occur.
Splitting yarn lichen <i>Sulcaria isidiifera</i>	--/--/1B.1	Known from the Los Osos area growing on branches of coast live oak and maritime chaparral plants in sandy areas.	No suitable habitat present onsite. All reported collections are from the Baywood fine sands of Los Osos. Not expected to occur based on the lack of suitable habitat.
Twisted horsehair lichen <i>Bryoria spiralis</i>	--/--/1B.1	Largest known population is on the Samoa Peninsula in Humboldt Co. Possibly threatened by coastal development, air pollution, and climate change. Usually on <i>Picea sitchensis</i> , <i>Pinus contorta</i> var. <i>contorta</i> , <i>Pseudotsuga menziesii</i> , <i>Abies grandis</i> , and <i>Tsuga heterophylla</i> .	No suitable habitat present onsite. Not expected to occur.
PLANTS			
Arroyo de la Cruz manzanita <i>Arctostaphylos cruzensis</i>	--/--/1B.2	Perennial shrub; blooms from December to March; occurs between 60 and 310 meters in sandy soils; found in broadleaved upland forest, coastal bluff scrub, closed-cone coniferous forest, chaparral, coastal scrub and valley and foothill grassland. It is only known to occur in Monterey and San Luis Obispo Counties.	No suitable habitat present. Perennial shrub would have been identifiable if present. Not observed during surveys. Not present in the study area.
Beach spectaclepod <i>Dithyrea maritima</i>	--/T/1B.1	Rhizomatous, perennial herb; blooms March through May; found in sandy soils, usually near shore, in coastal dunes and coastal scrub habitats; ranges from 3 to 50 meters in elevation.	Species only known to occur on sand dunes along the coast. No suitable habitat present. Not observed during surveys. Not expected to occur.
Betty's dudleya <i>Dudleya abramsii</i> ssp. <i>bettinae</i>	--/--/1B.2	Perennial succulent; blooms May through July and is endemic to coastal San Luis Obispo County west of Cerro Romualdo; found in chaparral, coastal scrub, and valley and foothill grasslands, usually on serpentine outcrops or shallow rocky soils; ranges in elevation from 20 to 180 meters.	No suitable habitat present due to lack of serpentine rock outcrops. Not observed during surveys, not expected to occur within study area or be affected by the project.
Blochman's dudleya <i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	--/--/1B.1	Perennial herb; blooms April through June; found on rocky, often clay or serpentine soils in coastal bluff scrub, chaparral, coastal scrub, and valley and foothill grassland; ranges from 5 to 450 meters in elevation.	No suitable habitat present. Not observed during surveys and not expected to occur within study area.
Blochman's leafy daisy <i>Erigeron blochmaniae</i>	--/--/1B.2	Rhizomatous perennial herb; blooms July through August; ranges from 3 to 45 meters in elevation and occurs in coastal dunes and coastal scrub.	This species is restricted to coastal dunes along the immediate coastline. Not observed during surveys, not expected to occur within study area or be affected by the project.



Table 1. Special Status Biological Resources Known to Occur in the Project Vicinity:

Species	Status* Fed/CA/CDFW	Habitat Requirements	Project Site Suitability/Observations
Brewer's spineflower <i>Chorizanthe breweri</i>	--/--/1B.3	Occurs in closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub habitats on serpentine derived soils and rock outcrops, mostly in rocky and gravelly areas; ranges in elevation from 45 to 800 meters; annual herb; blooms May through August.	No suitable habitat present due to lack of serpentine rock outcrops and thin rocky soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
California seablite <i>Suaeda californica</i>	E/--/1B.1	Perennial succulent shrub that grows along the margins of coastal salt marshes in a narrow elevation range from 0 to 5 meters; known to occur in the Morro Bay area.	No coastal salt marsh habitat present. Not observed during surveys, not expected to occur within study area or be affected by the project.
Cambria (San Luis Obispo County) morning-glory <i>Calystegia subacaulis</i> ssp. <i>episcopalis</i>	--/--/4.2	Rhizomatous, perennial herb; blooms from April to May; occurs in chaparral, cismontane woodland, and sparse to dense grassland covering sloped or flat areas in clay-rich soils; ranges from 60-500 meters; restricted to outer South Coast ranges in SLO and Santa Barbara Counties.	Onsite grasslands composed of weedy species, and not suitable for this species. Not observed during surveys and not expected to occur.
Chaparral ragwort <i>Senecio aphanactis</i>	--/--/2B.2	Annual herb known to occur in foothill woodland, northern coastal scrub and coastal sage habitats typically on serpentine soils; blooms January through April.	No suitable habitat present. Not observed during surveys, and not expected to occur onsite.
Coast woolly threads <i>Nemacaulis denudata</i> var. <i>denudata</i>	--/--/1B.2	Annual herb that grows in coastal sand dunes in open spaces of the coastal strand; known to occur in the Montana de Oro area in sandy soils.	No suitable habitat present. Not observed during surveys, and not expected to occur onsite.
Coastal goosefoot <i>Chenopodium littoreum</i>	--/--/1B.2	Annual herb that grows on sandy flats in coastal dunes along wetland and salt marsh habitat. Typically found between 30 and 100 meters, and is known from the Morro Bay estuary.	No coastal dune or salt marsh habitat present. Not observed during surveys, not expected to occur within study area or be affected by the project.
Coulter's goldfields <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	--/--/1B.1	Annual herb that grows in coastal salt marshes, playas, valley and foothill grassland, and vernal pools usually on alkaline soils from 1-1,400 meters.	No suitable habitat present. Not observed during surveys, not expected to occur within study area or be affected by the project.
Cuesta Ridge thistle <i>Cirsium occidentale</i> var. <i>lucianum</i>	--/--/1B.2	Perennial herb known to occur along the Cuesta Ridge in openings on steep rocky serpentine slopes from 500 to 750 meters.	Study area is outside the known range for this species. No suitable habitat present due to lack of rocky serpentine soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
Dacite manzanita <i>Arctostaphylos tomentosa</i> ssp. <i>daciticola</i>	--/--/1B.1	Perennial shrub known to occur in chaparral and cismontane woodland. Only one known occurrence of this species in SLO County on the porphyry buttes (Hollister Peak) east of Morro Bay	No suitable habitat for this species present onsite. Perennial shrub would have been identifiable if encountered onsite during the surveys. Not observed during surveys. Not present in the study area.
Dune larkspur <i>Delphinium parryi</i> ssp. <i>blochmaniae</i>	--/--/1B.2	Perennial herb known to occur on sandy soils in coastal scrub, chaparral and strand habitats. Blooms from April through May.	No suitable habitat present onsite. Not observed during surveys and not expected to occur onsite.

Table 1. Special Status Biological Resources Known to Occur in the Project Vicinity:

Species	Status* Fed/CA/CDFW	Habitat Requirements	Project Site Suitability/Observations
Eastwood's larkspur <i>Delphinium parryi</i> ssp. <i>eastwoodiae</i>	--/--/1B.2	Perennial herb known to occur on serpentine based soils (clays) and outcrops in the general San Luis Obispo area with collections made on Camp San Luis Obispo. Blooms March to May.	No suitable habitat present due to lack of serpentine soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
Jones' layia <i>Layia jonesii</i>	--/--/1B.2	Annual herb; blooms March through May; occurs on clay soils in close association to serpentine outcrops in chaparral and valley and foothill grassland; ranges in elevation from 5 to 400 meters.	No suitable habitat present due to lack of rocky serpentine soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
Marsh sandwort <i>Arenaria paludicola</i>	E/E/1B.1	Stoloniferous, perennial herb; blooms May to August; occurs in freshwater marshes and swamps, bogs and fens, and some coastal scrub, ranging from 3 to 170 meters in elevation; common associates include Typha, Juncus, and Scirpus.	No freshwater marsh or swamp habitat present. Not observed during surveys, not expected to occur within study area or be affected by the project.
Miles' milk-vetch <i>Astragalus didymocarpus</i> var. <i>milesianus</i>	--/--/1B.2	Annual herb; blooms March to June; found in coastal scrub habitats, typically occurring on clay soils; ranges in elevation 20 to 90 meters.	No suitable habitat present. Not observed during surveys, not expected to occur within study area or be affected by the project.
Morro manzanita <i>Arctostaphylos morroensis</i>	T/--/1B.1	Evergreen shrub; blooms December through March; ranges in elevation from 5 to 205 meters; typically found on sandy-loam or Baywood sands in chaparral, woodlands, coastal dunes and coastal scrub.	Project site is outside the known range of this species. Not observed during surveys. Not present onsite.
Most beautiful jewel-flower <i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	--/--/1B.2	Annual herb; blooms April through June; occurs on serpentine soils in chaparral, valley and foothill grassland, and cismontane woodland, ranging from 120 to 1000 meters in elevation.	No suitable habitat present due to lack of rocky serpentine soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
Oso manzanita <i>Arctostaphylos osoensis</i>	--/--/1B.2	Perennial shrub known to occur in chaparral and cismontane woodland on the porphyry buttes east of Morro Bay.	No suitable habitat present. Shrub would have been identifiable if encountered during surveys. Not observed during surveys. Not present in the study area.
Palmer's monardella <i>Monardella palmeri</i>	--/--/1B.2	Rhizomatous, perennial herb; blooms June through August; occurs on serpentine soils in chaparral and cismontane woodland habitats at elevations ranging from 200 to 800 meters.	No suitable habitat present due to lack of rocky serpentine soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
Pecho manzanita <i>Arctostaphylos pechoensis</i>	--/--/1B.2	Perennial shrub; blooms November to March; occurs on siliceous shale in closed-cone coniferous forest, chaparral, and coastal scrub habitats, ranging from 170 to 1100 meters in elevation.	No suitable habitat present. Not observed during surveys. Not present in the study area.
Perennial goldfields <i>Lasthenia californica</i> ssp. <i>micrantha</i>	--/--/1B.2	Annual herb found typically in northern coastal scrub habitat along the immediate coast; blooms January through November.	No suitable habitat present. Not observed during surveys. Not present in the study area.



Table 1. Special Status Biological Resources Known to Occur in the Project Vicinity:

Species	Status* Fed/CA/CDFW	Habitat Requirements	Project Site Suitability/Observations
Salt marsh bird's-beak <i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	E/E/1B.2	Annual herb known to occur along margins of salt marsh habitat and coastal dunes. Limited to the higher zones of the Morro Bay estuary.	No salt marsh habitat present. Not observed during surveys, not expected to occur within study area or be affected by the project.
San Benito fritillary <i>Fritillaria viridea</i>	--/--/1B.2	Bulbiferous, perennial herb; blooms March to May; ranges from 200 to 1525 meters in elevation and occurs in chaparral on serpentine soils.	No suitable habitat present due to lack of rocky serpentine soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
San Joaquin spearscale <i>Atriplex joaquinana</i>	--/--/1B.2	Annual herb that grows in seasonal alkali wetlands and alkali sink scrub typically found in the San Joaquin Valley. One recorded occurrence of this species from 1899 in CNDDB was from the vicinity of Morro Bay.	No suitable habitat present. Not observed during surveys, and unlikely to occur onsite.
San Luis mariposa-lily <i>Calochortus obispoensis</i>	--/--/1B.2	Bulbiferous, perennial herb; blooms May to July; ranges from 75 to 730 meters on sandstone, serpentine and/or sandy soils in chaparral, coastal scrub and valley and foothill grassland; endemic to San Luis Obispo County.	No suitable habitat present due to lack of rocky serpentine soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
San Luis Obispo fountain thistle (Chorro Creek bog thistle) <i>Cirsium fontinale</i> var. <i>obispoense</i>	E/E/1B.2	Perennial herb; blooms February to July; ranges from 35 to 365 meters in elevation; occurs in chaparral and cismontane woodland habitats, often in serpentine seeps.	No suitable habitat present due to lack of serpentine seeps. Perennial plant was not observed during surveys, not expected to occur within study area or be affected by the project.
San Luis Obispo owl's clover <i>Castilleja densiflora</i> ssp. <i>obispoensis</i>	--/--/1B.2	Annual herb; blooms in April; ranges from 10 to 400 meters in elevation and occurs in meadows, seeps, and valley and foothill grassland.	Grassland habitat is disturbed and composed of dense non-native weedy species, which is not suitable for this species. Not observed during surveys during bloom period when it would have been identifiable. Not expected to occur onsite.
Southern curly-leaved monardella <i>Monardella undulata</i>	--/--/4.2	Annual herb; blooms May through September; occurs on dunes and sandy soils in coastal strand, chaparral, northern coastal scrub, coastal sage scrub, at elevations below 300 meters.	No suitable habitat present. Not observed during surveys. Not expected to occur within study area or be affected by the project.
Umbrella larkspur <i>Delphinium umbraculorum</i>	--/--/1B.3	Perennial herb; found in granite of cismontane woodlands, chaparral, and coastal scrub; 85-1,035 meters in elevation; blooms May to July.	No suitable habitat present due to lack of granite soils. Not observed during surveys, not expected to occur within study area or be affected by the project.
INVERTEBRATES			
Globose dune beetle <i>Coelus globosus</i>	--/SA/--	Inhabits coastal sand dune habitat in foredunes and sand hummocks most common beneath dune vegetation.	No suitable habitat present. Not expected to occur.
Mimic tryonia (=California brackishwater snail) <i>Tryonia imitator</i>	--/SA/--	Found only in permanently submerged areas in coastal lagoons.	No suitable habitat present. Not expected to occur.



Table 1. Special Status Biological Resources Known to Occur in the Project Vicinity:

Species	Status* Fed/CA/CDFW	Habitat Requirements	Project Site Suitability/Observations
Monarch butterfly <i>Danaus plexippus</i>	--/SA/--	Wind-protected tree groves of eucalyptus, Monterey pine and cypress with nectar and water sources nearby.	No suitable overwintering habitat present. Species likely forages in study area, but is not expected to use the study area or neighboring windrow of cypress for overwintering.
Morro Bay blue butterfly <i>Plebejus icarioides moroensis</i>	--/SA/--	Inhabits stabilized dunes and adjacent areas of coastal San Luis Obispo and NW Santa Barbara counties.	No suitable habitat present. Not expected to occur.
Morro shoulderband snail <i>Helminthoglypta walkeriana</i>	E/--/--	Known to occur in coastal sage scrub and dune scrub habitats on Baywood fine sands near Morro Bay.	No suitable habitat present. Onsite soils are not suitable and no coastal scrub or large patches of iceplant or veldt grass are present that could potentially support this species. Site is separated from potentially suitable coastal dune scrub habitat further west by existing development, so no opportunity for this species to move onto the property during winter rain season. Not expected to occur or be affected by the project.
San Luis Obispo pyrg <i>Pyrgulopsis taylori</i>	--/SA/--	Freshwater habitats in San Luis Obispo County.	No suitable habitat present. Not expected to occur onsite or be affected by the project.
Sandy beach tiger beetle <i>Cicindela hirticollis gravida</i>	--/SA/--	Inhabits area adjacent to non-brackish water along the coast of California from San Francisco Bay to Northern Mexico.	No suitable habitat present. Not expected to occur.
FISH			
Steelhead – South/Central California ESU <i>Oncorhynchus mykiss irideus</i>	T/SSC/--	Fresh water, fast flowing, highly oxygenated, clear, cool stream where riffles tend to predominate pools.	No suitable habitat present. Known to occur south of the site in Morro Creek. Not expected to occur onsite or be affected by the project.
Tidewater goby <i>Eucyclogobius newberryi</i>	E/SSC/--	Brackish water habitats along the California coast from San Diego county to Del Norte county.	No suitable habitat present. Known to occur south of the site in Morro Creek. Not expected to occur onsite or be affected by the project.
AMPHIBIANS/REPTILES			
California red-legged frog <i>Rana draytonii</i>	T/SSC/--	Lowland and foothills in or near permanent or semi-permanent sources of deep water (at least 0.5 meter) bordered by emergent wetland and/or riparian vegetation. May use a variety of aquatic and upland habitats during the year for refugia and dispersal.	No suitable habitat present. Not expected to occur onsite or be affected by the project.
Coast horned lizard <i>Phrynosoma blainvillii</i>	--/SSC/--	Frequents a wide variety of habitat including sandy washes with scattered shrubs and open areas for sunning. Loose soils for burial.	No suitable habitat present. Not expected to occur onsite or be affected by the project.
Silvery/Black legless lizard <i>Anniella pulchra</i>	--/SSC/--	Sandy or loamy soils in valley and foothill woodlands, chaparral, coastal scrub and coastal dunes.	No suitable habitat present. No dune scrub habitat that could support this fossorial lizard. Not expected to occur onsite or be affected by the project.
Southern Pacific (western) pond turtle <i>Emys marmorata</i>	--/SSC/--	Basking sites such as partially submerged logs, vegetation mats, or open mud banks.	No suitable habitat present. Not expected to occur onsite or be affected by the project.

Table 1. Special Status Biological Resources Known to Occur in the Project Vicinity:

Species	Status* Fed/CA/CDFW	Habitat Requirements	Project Site Suitability/Observations
BIRDS			
California black rail <i>Laterallus jamaicensis coturniculus</i>	--/T/--	Freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that does not fluctuate and dense vegetation for nesting.	No suitable habitat present. Not expected to occur.
California clapper rail <i>Rallus longirostris obsoletus</i>	E/E/--	Occurs in salt-water and brackish marshes traversed by tidal sloughs with abundant growths of pickleweed.	No suitable habitat present. Not expected to occur.
Cooper's hawk <i>Accipiter cooperii</i>	--/WL/-- (nesting)	Wooded areas. Nests in tall trees and often hunts around human structures.	No suitable roosting or nesting habitat on-site. Windrow adjacent to site could support both roosting and nesting habitat for this species. Ornamental trees were searched during field work and no stick nests observed. Not expected to nest onsite, but could forage.
Western snowy plover <i>Charadrius alexandrinus nivosus</i>	T/SSC/-- (nesting)	Sandy beaches, salt pond levees or shores of large alkali lakes. Sandy, gravelly or friable soils required for nesting. Federal listing refers only to the Pacific coastal population.	No suitable habitat present. Not expected to occur.
MAMMALS			
American badger <i>Taxidea taxus</i>	--/SSC/--	Friable soils and open, uncultivated ground for denning. Preys on burrowing rodents such as ground squirrels.	No suitable habitat present onsite. Property is surrounded by chain link fence, and not significant prey base such as ground squirrels was observed. Not expected to occur.
Big free-tailed bat <i>Nyctinomops macrotis</i>	--/SSC/--	Occurs in low lying arid areas of Southern California. Needs high cliffs or rocky outcrops for roosting sites. Feeds primarily on large moths.	No suitable habitat present. Not expected to occur.
Morro Bay kangaroo rat <i>Dipodomys heermanni morroensis</i>	E/E/--	Coastal sage scrub on the south side of Morro Bay. Needs sandy soil on stabilized dunes with vegetation.	No suitable habitat present. Not expected to occur.
Pallid bat <i>Antrozous pallidus</i>	--/SSC/--	Occurs in deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts under bridges and in some areas in old structures such as barns.	No suitable habitat present. Not expected to occur.
Townsend's western big-eared bat <i>Corynorhinus townsendii townsendii</i>	--/SSC/--	Requires caves, tunnels, mines, or similar man-made structures for roosting. This bat feeds primarily on moths, but will eat a variety of soft-bodied insects.	No suitable habitat present. Not expected to occur onsite or be affected by the project.
NATURAL COMMUNITIES			
Central Dune Scrub			Not present
Central Maritime Chaparral			Not present
Coastal Brackish Marsh			Not present
Northern Coastal Salt Marsh			Not present
Bunchgrass Grassland (purple needlegrass)			Not present
Central Coast Arroyo Willow Riparian Forest			Not present

*E = Endangered; T = Threatened; R = Rare CE = Candidate for Endangered Status; SSC = California Species of Special Concern; FP = Fully Protected; WL = Watch List; SA = Special Animal; '-' = no status; List 1B = Rare, threatened, or endangered in California and elsewhere; List 2 = Rare, threatened or endangered in California, but more common elsewhere; List 4 = Limited distribution (Watch List). Source: California Natural Diversity Database (CDFW, 2018); California Native Plant Society Online Inventory of Rare Plants, accessed April 2018 (online at www.cnps.org); Special Animals List (CDFW 2018); Special Vascular Plants, Bryophytes, and Lichens List (CDFW 2018).

Table 2. List of Plants Observed During Field Surveys.

Scientific Name*	Common Name
<i>Agave sp.*</i>	Agave (planted outside fence)
<i>Aloe sp.*</i>	Aloe (planted outside fence)
<i>Ambrosia psilostachys</i>	Ragweed
<i>Avena barbata*</i>	Slender wild oats
<i>Baccharis pilularis</i>	Coyote brush (young plants are mowed regularly)
<i>Brassica nigra*</i>	Black mustard
<i>Bromus diandrus*</i>	Ripgut brome
<i>Bromus hordeaceus*</i>	Soft chess
<i>Bromus madritensis ssp. rubens*</i>	Red brome
<i>Carduus pycnocephalus*</i>	Italian thistle
<i>Conyza canadensis</i>	Horseweed
<i>Cynodon dactylon*</i>	Bermuda grass
<i>Erodium botrys*</i>	Filaree
<i>Erodium cicutarium*</i>	Red-stemmed filaree
<i>Festuca perenne (=Lolium multiflorum)*</i>	Italian ryegrass
<i>Foeniculum vulgare*</i>	Fennel
<i>Gnaphalium californica</i>	California everlasting
<i>Hesperocyparis (=Cupressus) macrocarpa*</i>	Monterey cypress (planted individuals offsite)
<i>Hirschfeldia incana*</i>	Summer mustard
<i>Hordeum murinum ssp. leporinum*</i>	Foxtail
<i>Lactuca serriola*</i>	Wild lettuce
<i>Lavandula sp.*</i>	Lavender (planted along fence)
<i>Limonium sp.*</i>	Sea statice (planted along fence)
<i>Malva nicaeensis*</i>	Bull mallow
<i>Matricaria matricarioides*</i>	Pineapple weed
<i>Medicago polymorpha*</i>	Bur clover
<i>Melilotus sativa*</i>	Sweet cicily
<i>Osteospermum sp.*</i>	African daisy (planted outside fence)
<i>Oxalis pes-caprae*</i>	Bermuda buttercup
<i>Plantago lanceolata*</i>	English plantain
<i>Rumex acetosella*</i>	Sheep sorrel
<i>Sonchus asper*</i>	Prickly sow thistle
<i>Vicia villosa ssp. villosa*</i>	Hairy vetch
<i>Vulpia myuros*</i>	Rattail fescue

*Asterisk identifies non-native species.

Photo Plate



Photo 1. Northerly view of site in February 2018 showing annual grasses and weedy vegetation across the site. Monterey cypress windrow is planted offsite to west and north.



Photo 2. Northerly view of site taken in March 2018 showing grasses and weeds dominating site.



Photo 3. Westerly view showing Atascadero Road frontage and chain link fence surrounding site.

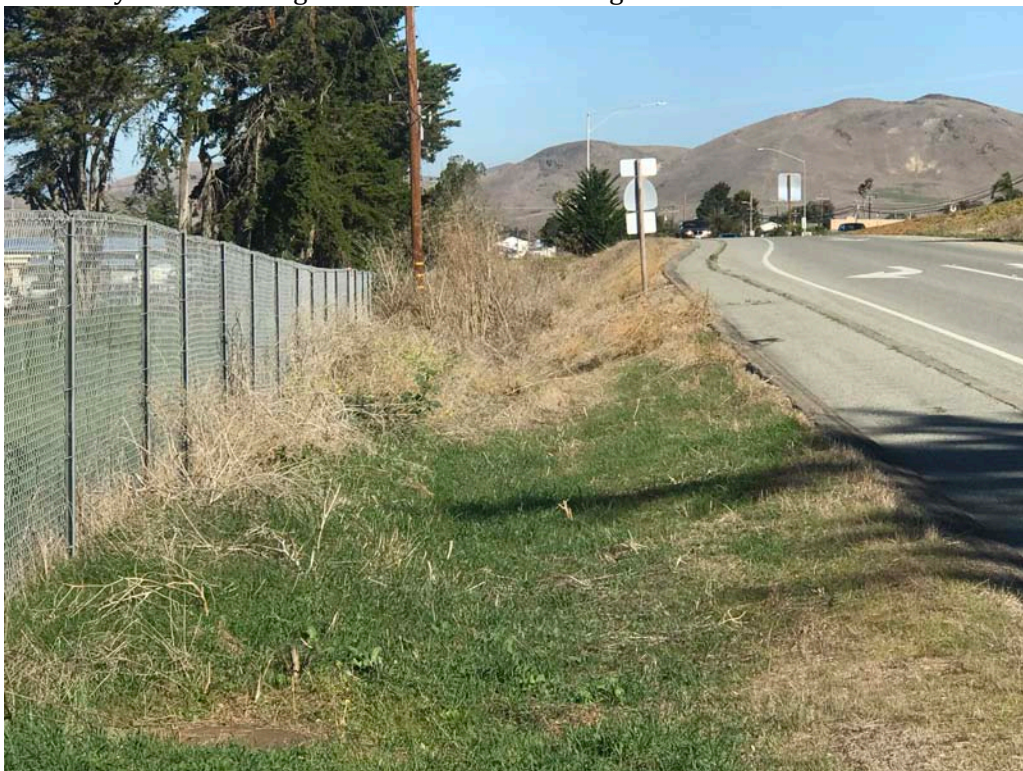


Photo 4. Northerly view of Highway 1 off ramp and chain link fence along eastern property boundary.



Photo 5. Road base was observed along perimeters of site associated with past development of roads. Ornamental plantings also present along fence.



Photo 6. Southerly view of Monterey cypress located just offsite of western property line. Note bike path and entrance driveway to Morro Bay High School. Understory was bare dirt and leaf litter.



Photo 7. Easterly view of northern property line. Old limbs and fence line was inspected for Morro shoulderband snail. No old shells, live individuals or suitable soils were identified.



Photo 8. Northerly view of study area taken in May following annual mowing activities.

**ATTACHMENT D:
ENERGY IMPACT STUDY**

ENERGY IMPACT ASSESSMENT

FOR THE PROPOSED

MORRO BAY HOTEL PROJECT

MORRO BAY, CA

AUGUST 2019

PREPARED BY:



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APPENDICES

Appendix A: Energy Modeling

LIST OF COMMON TERMS & ACRONYMS

AFV	Alternative Fuel Vehicles
CalEEMod	California Emissions Estimator Model
CARB	California Air Resource Board
CEQA	California Environmental Quality Act
CHP	Combined Heat and Power
DSG	Department of General Services
EMFAC	Emissions Factor
EO	Executive Order
EPA	Environmental Protection Agency
GHG	Greenhouse Gas
kBTU	Kilo British Thermal Units
kW	Kilowatt
kWh	Kilowatt Hour
LEED	Leadership in Energy and Environmental Design
MW	Megawatt
PG&E	Pacific Gas and Electric
PV	Photovoltaic
SCAQMD	South Coast Air Quality Management District
SLOAPCD	San Luis Obispo Air Pollution Control District
USDOT	U.S. Department of Transportation
VMT	Vehicle Mile Travelled

INTRODUCTION

This report provides an analysis of potential energy impacts associated with the proposed Morro Bay Hotel Project (Project). This report also provides a summary of existing conditions in the project area and the applicable regulatory framework pertaining to energy.

PROPOSED PROJECT SUMMARY

The proposed Project includes the construction of a 83-room hotel. The project site is located at 233 Atascadero Road. Project construction is anticipated to begin in 2018 and would occur over an approximate 18-month period. The proposed project site plan is depicted in Figure 1.

The Project site is located adjacent to and north of Atascadero Road, east of the southbound U.S. 101 off-ramp. Nearby land uses Morro Bay High School to the west and commercial development to the south, across Atascadero Road.

ENERGY FUNDAMENTALS

Energy use is typically associated with transportation, construction, and the operation of land uses. Transportation energy use is generally categorized by direct and indirect energy. Direct energy relates to energy consumption by vehicle propulsion. Indirect energy relates to the long-term indirect energy consumption of equipment, such as maintenance activities. Energy is also consumed by construction and routine operation and maintenance of land use. Construction energy relates to a direct one-time energy expenditure primarily associated with the consumption of fuel use to operate construction equipment. Energy-related to land use is normally associated with direct energy consumption for heating, ventilation, and air conditioning of buildings.

EXISTING SETTING

PHYSICAL SETTING

The project is located in the City of Morro Bay. The City is served primarily by Pacific Gas & Electric (PG&E). The climate in the project area is semi-arid, with an annual normal precipitation of approximately 11 inches. Temperatures in the project area range from an average minimum of approximately 43 degrees Fahrenheit (°F), in January, to an average maximum of 69°F, in October (WRCC 2018).

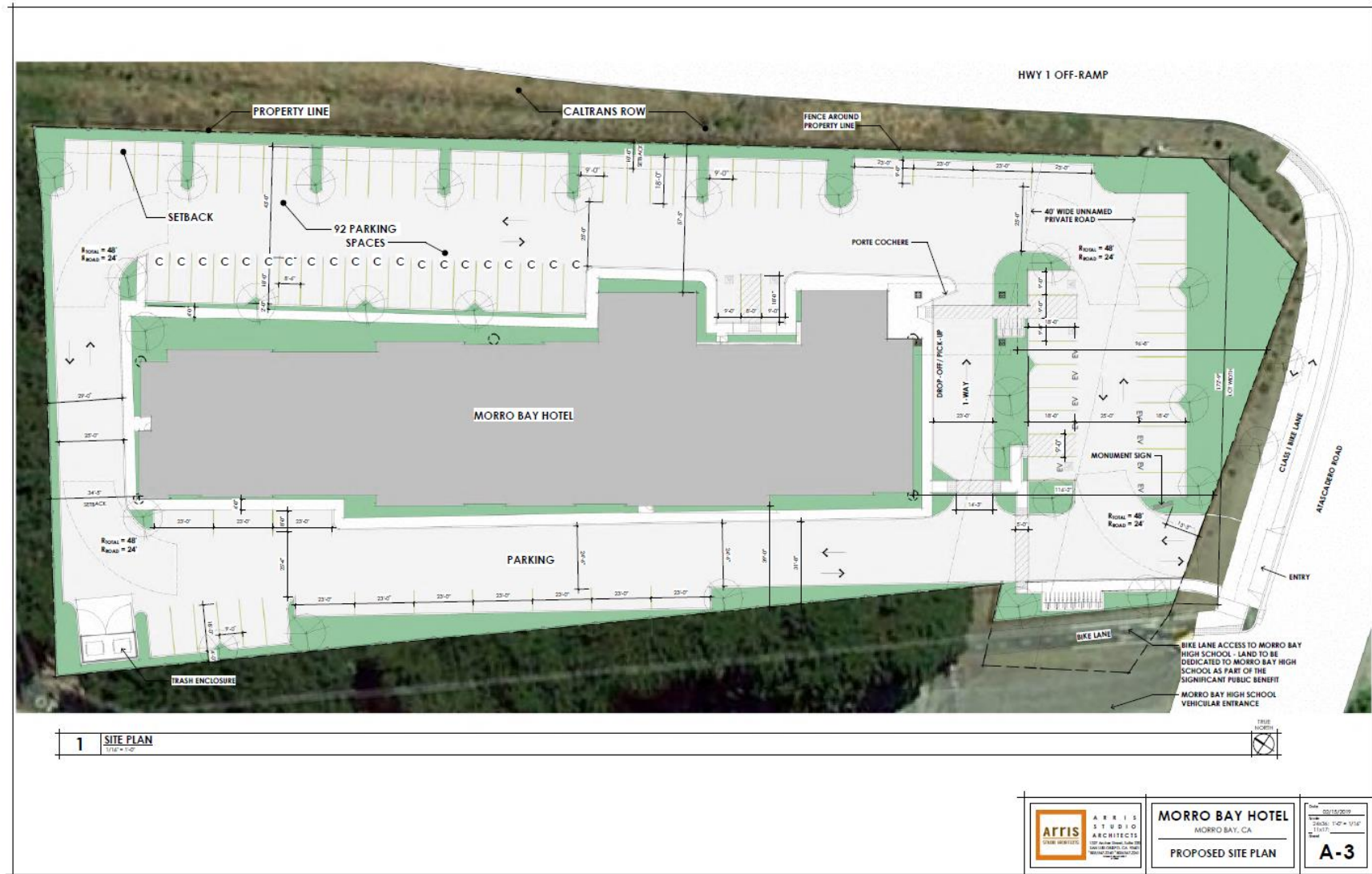
ENERGY RESOURCES

Energy sources for the City of Morro Bay are served primarily by Pacific Gas & Electric (PG&E). Energy resources consist largely of natural gas, nuclear, fossil fuels, hydropower, solar, and wind. The primary use of energy sources is for electricity.

ELECTRICITY

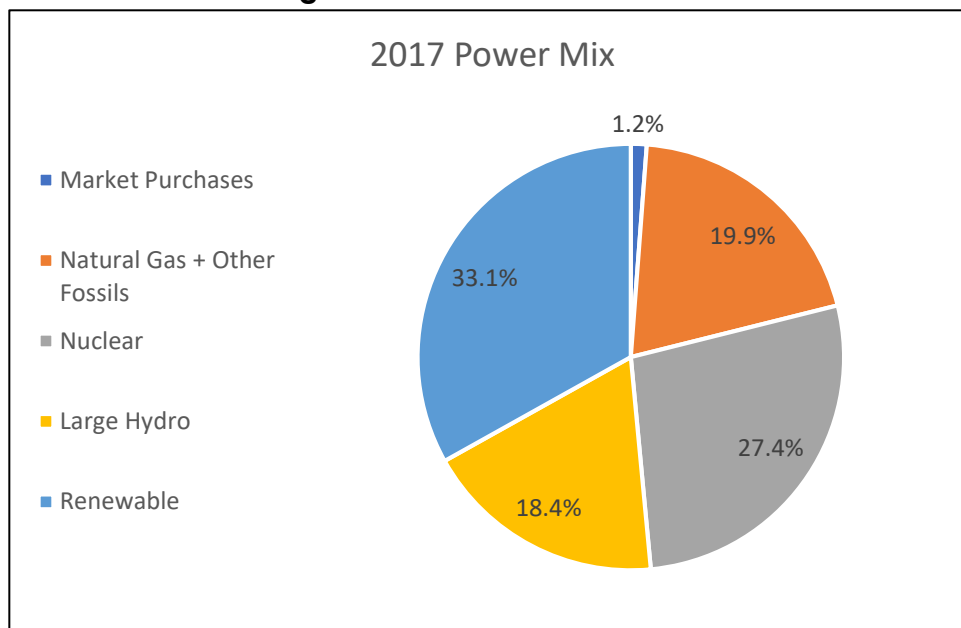
Electric services in the project area are purchased from regulated electric utility, Pacific Gas and Electric Company (PG&E). The breakdown of PG&E's power mix is shown in Figure 3. As shown, roughly 78.8 percent of PG&E's 2018 total electric power mix came from greenhouse gas (GHG)-free sources that include nuclear, large hydro and renewable energy sources (PG&E 2018).

Figure 1. Preliminary Site Plan



Not to scale.
Image Source: ASA 2019

Figure 2. PG&E 2017 Power Mix



Source: PG&E 2019

NATURAL GAS

PG&E's natural gas system encompasses approximately 70,000 square miles in Northern and Central California. Approximately 90 percent of the natural gas supply for PG&E is from out-of-state imports. In 2017, natural gas throughput provided by PG&E totaled 800,923 million cubic feet (MMcf). Natural gas throughput has decreased over by past few years. In comparison to year 2015 throughput, natural gas throughput has decreased by 103,599 MMcf, an approximate 11.5 percent reduction (PG&E 2019).

REGULATORY FRAMEWORK

FEDERAL

REGULATIONS FOR GREENHOUSE GAS EMISSIONS FROM PASSENGER CARS AND TRUCKS AND CORPORATE AVERAGE FUEL ECONOMY STANDARDS

In October 2012, the U.S. Environmental Protection Agency (EPA) and the National Highway Traffic Safety Administration (NHTSA), on behalf of the Department of Transportation, issued final rules to further reduce GHG emissions and improve corporate average fuel economy (CAFE) standards for light-duty vehicles for model years 2017 and beyond. NHTSA's CAFE standards have been enacted under the Energy Policy and Conservation Act since 1978. This national program requires automobile manufacturers to build a single light-duty national fleet that meets all requirements under both federal programs and the standards of California and other states. This program would increase fuel economy to the equivalent of 54.5 miles per gallon (mpg) limiting vehicle emissions to 163 grams of carbon dioxide (CO₂) per mile for the fleet of cars and light-duty trucks by the model year 2025.

In January 2017, EPA Administrator Gina McCarthy signed a Final Determination to maintain the current GHG emissions standards for the model year 2022-2025 vehicles. However, on March 15, 2017, EPA Administrator Scott Pruitt and Department of Transportation Secretary Elaine Chao announced that EPA intends to reconsider the Final Determination. On April 2, 2018, EPA Administrator Scott Pruitt officially withdrew the January 2017 Final Determination, citing information that suggests that these current standards may be too stringent due to changes in key assumptions since the January 2017 Determination. According to the EPA, these key assumptions include gasoline prices and overly optimistic consumer acceptance of advanced

technology vehicles. The April 2nd notice is not EPA's final agency action. The EPA intends to initiate rulemaking to adopt new standards. Until that rulemaking has been completed, the current standards remain in effect. (EPA 2017, EPA 2018).

ENERGY POLICY AND CONSERVATION ACT

The Energy Policy and Conservation Act of 1975 sought to ensure that all vehicles sold in the U.S. would meet certain fuel economy goals. Through this Act, Congress established the first fuel economy standards for on-road motor vehicles in the U.S. Pursuant to the Act, the National Highway Traffic and Safety Administration, which is part of the U.S. Department of Transportation (USDOT), is responsible for establishing additional vehicle standards and for revising existing standards. Since 1990, the fuel economy standard for new passenger cars has been 27.5 miles per gallon (mpg). Since 1996, the fuel economy standard for new light trucks (gross vehicle weight of 8,500 pounds or less) has been 20.7 mpg. Heavy-duty vehicles (i.e., vehicles and trucks over 8,500 pounds gross vehicle weight) are not currently subject to fuel economy standards. Compliance with federal fuel economy standards is determined based on each manufacturer's average fuel economy for the portion of its vehicles produced for sale in the U.S. The CAFE program, administered by EPA, was created to determine vehicle manufacturers' compliance with the fuel economy standards. EPA calculates a CAFE value for each manufacturer based on city and highway fuel economy test results and vehicle sales. Based on the information generated under the CAFE program, the USDOT is authorized to assess penalties for noncompliance.

ENERGY POLICY ACT OF 1992

The Energy Policy Act of 1992 (EPAAct) was passed to reduce the country's dependence on foreign petroleum and improve air quality. EPAAct includes several parts intended to build an inventory of alternative fuel vehicles (AFVs) in large, centrally fueled fleets in metropolitan areas. EPAAct requires certain federal, state, and local government and private fleets to purchase a percentage of light-duty AFVs capable of running on alternative fuels each year. In addition, financial incentives are included in EPAAct. Federal tax deductions will be allowed for businesses and individuals to cover the incremental cost of AFVs. States are also required by the act to consider a variety of incentive programs to help promote AFVs.

ENERGY POLICY ACT OF 2005

The Energy Policy Act of 2005 was signed into law on August 8, 2005. Generally, the act provides for renewed and expanded tax credits for electricity generated by qualified energy sources, such as landfill gas; provides bond financing, tax incentives, grants, and loan guarantees for clean renewable energy and rural community electrification; and establishes a federal purchase requirement for renewable energy.

STATE

WARREN-ALQUIST ACT

The 1975 Warren-Alquist Act established the California Energy Resources Conservation and Development Commission, now known as the California Energy Commission (CEC). The Act established a state policy to reduce wasteful, uneconomical, and unnecessary uses of energy by employing a range of measures. The California Public Utilities Commission (CPUC) regulates privately-owned utilities in the energy, rail, telecommunications, and water fields.

ASSEMBLY BILL 2076: REDUCING DEPENDENCE ON PETROLEUM

Pursuant to Assembly Bill (AB) 2076 (Chapter 936, Statutes of 2000), CEC and the California Air Resources Board (CARB) prepared and adopted a joint agency report in 2003, *Reducing California's Petroleum Dependence*. Included in this report are recommendations to increase the use of alternative fuels to 20 percent of on-road transportation fuel use by 2020 and 30 percent by 2030, significantly increase the efficiency of motor vehicles, and reduce per capita vehicle miles traveled (VMT) (CEC and CARB 2003). Further, in response to the CEC's 2003 and 2005 *Integrated Energy Policy Reports*, Governor Davis directed

CEC to take the lead in developing a long-term plan to increase alternative fuel use. A performance-based goal of AB 2076 was to reduce petroleum demand to 15 percent below 2003 demand by 2020.

SENATE BILL 1078: CALIFORNIA RENEWABLES PORTFOLIO STANDARD PROGRAM

Senate Bill 1078 (Public Utilities Code Sections 387, 390.1, 399.25 and Article 16) addresses electricity supply and requires that retail sellers of electricity, including investor-owned utilities and community choice aggregators, provide a minimum 20 percent of their supply from renewable sources by 2017. This Senate Bill will affect statewide GHG emissions associated with electricity generation. In 2008, Governor Schwarzenegger signed Executive Order S-14-08, which set the Renewables Portfolio Standard target to 33 percent by 2020. It directed state government agencies and retail sellers of electricity to take all appropriate actions to implement this target. Executive Order S-14-08 was later superseded by Executive Order S-21-09 on September 15, 2009. Executive Order S-21-09 directed the ARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. Statute SB X1-2 superseded this Executive Order in 2011, which obligated all California electricity providers, including investor-owned utilities and publicly owned utilities, to obtain at least 33 percent of their energy from renewable electrical generation facilities by 2020.

SENATE BILL 350: CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015

The Clean Energy and Pollution Reduction Act of 2015 (SB 350) requires the amount of electricity generated and sold to retail customers per year from eligible renewable energy resources to be increased to 50 percent by December 31, 2030. This act also requires doubling of the energy efficiency savings in electricity and natural gas for retail customers through energy efficiency and conservation by December 31, 2030.

ENERGY ACTION PLAN

The first Energy Action Plan (EAP) emerged in 2003 from a crisis atmosphere in California's energy markets. The State's three major energy policy agencies (CEC, CPUC, and the Consumer Power and Conservation Financing Authority [established under deregulation and now defunct]) came together to develop one high-level, coherent approach to meeting California's electricity and natural gas needs. It was the first time that energy policy agencies formally collaborated to define a common vision and set of strategies to address California's future energy needs and emphasize the importance of the impacts of energy policy on the California environment.

In the October 2005 *Energy Action Plan II*, CEC and CPUC updated their energy policy vision by adding some important dimensions to the policy areas included in the original EAP, such as the emerging importance of climate change, transportation-related energy issues, and research and development activities. The CEC recently adopted an update to the EAP II in February 2008 that supplements the earlier EAPs and examines the State's ongoing actions in the context of global climate change.

ASSEMBLY BILL 1007: STATE ALTERNATIVE FUELS PLAN

AB 1007 (Chapter 371, Statutes of 2005) required CEC to prepare a state plan to increase the use of alternative fuels in California. CEC prepared the State Alternative Fuels Plan (SAF Plan) in partnership with CARB and in consultation with other state, federal, and local agencies. The SAF Plan presents strategies and actions California must take to increase the use of alternative non-petroleum fuels in a manner that minimizes the costs to California and maximizes the economic benefits of in-state production. The SAF Plan assessed various alternative fuels and developed fuel portfolios to meet California's goals to reduce petroleum consumption, increase alternative fuel use, reduce greenhouse gas (GHG) emissions, and increase in-state production of biofuels without causing significant degradation of public health and environmental quality.

EXECUTIVE ORDER S-06-06

Executive Order (EO) S-06-06, signed on April 25, 2006, establishes targets for the use and production of biofuels and biopower, and directs state agencies to work together to advance biomass programs in California while providing environmental protection and mitigation. The Executive Order establishes the

following target to increase the production and use of bioenergy, including ethanol and biodiesel fuels made from renewable resources: produce a minimum of 20 percent of its biofuels within California by 2010, 40 percent by 2020, and 75 percent by 2050. The Executive Order also calls for the State to meet a target for use of biomass electricity. The 2011 Bioenergy Action Plan identifies those barriers and recommends actions to address them so that the State can meet its clean energy, waste reduction, and climate protection goals. The 2012 Bioenergy Action Plan updates the 2011 plan and provides a more detailed action plan to achieve the following goals:

- increase environmentally- and economically-sustainable energy production from organic waste;
- encourage the development of diverse bioenergy technologies that increase local electricity generation, combined heat and power facilities, renewable natural gas, and renewable liquid fuels for transportation and fuel cell applications;
- create jobs and stimulate economic development, especially in rural regions of the state; and
- reduce fire danger, improve air and water quality, and reduce waste.

As of 2016, 2.7 percent of the total electrical system power in California was derived from biomass (CEC 2017).

CALIFORNIA BUILDING CODE

The California Building Code (CBC) contains standards that regulate the method of use, properties, performance, or types of materials used in the construction, alteration, improvement, repair, or rehabilitation of a building or other improvement to real property. The California Building Code is adopted every three years by the Building Standards Commission (BSC). In the interim, the BSC also adopts annual updates to make necessary mid-term corrections. The CBC standards apply statewide; however, a local jurisdiction may amend a CBC standard if it makes a finding that the amendment is reasonably necessary due to local climatic, geological, or topographical conditions.

GREEN BUILDING STANDARDS

In essence, green buildings standards are indistinguishable from any other building standards, are contained in the California Building Code, and regulate the construction of new buildings and improvements. Whereas the focus of traditional building standards has been protecting public health and safety, the focus of green building standards is to improve environmental performance.

The green buildings standards were most recently updated in May 2018. Referred to as the *2019 Building Energy Efficiency Standards*, these most recent updates focus on four key areas: smart residential photovoltaic systems, updated thermal envelope standards (preventing heat transfer from the interior to the exterior and vice versa), residential and nonresidential ventilation requirements, and non-residential lighting requirements. Under the newly adopted standards, nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades (CEC 2018).

ASSEMBLY BILL 32, CLIMATE CHANGE SCOPING PLAN AND UPDATE

In October 2008, ARB published its *Climate Change Proposed Scoping Plan*, which is the State's plan to achieve GHG reductions in California required by AB 32. This initial Scoping Plan contained the main strategies to be implemented in order to achieve the target emission levels identified in AB 32. The Scoping Plan included ARB-recommended GHG reductions for each emissions sector of the state's GHG inventory. The largest proposed GHG reduction recommendations were associated with improving emissions standards for light-duty vehicles, implementing the Low Carbon Fuel Standard program, implementation of energy efficiency measures in buildings and appliances, and the widespread development of combined heat and power systems, and developing a renewable portfolio standard for electricity production.

The initial Scoping Plan was first approved by ARB on December 11, 2008, and is updated every five years. The first update of the Scoping Plan was approved by the ARB on May 22, 2014, which looked past 2020 to set mid-term goals (2030-2035) on the road to reach the 2050 goals. The most recent update released by ARB is the *2017 Climate Change Scoping Plan*, which was released in November 2017. The measures identified in the *2017 Climate Change Scoping Plan* have the co-benefit of increasing energy efficiency and reducing California's dependency on fossil fuels.

SENATE BILL 375

SB 375 requires Metropolitan Planning Organizations (MPOs) to adopt a sustainable communities strategy (SCS) or alternative planning strategy (APS) that will address land use allocation in that MPOs regional transportation plan. ARB, in consultation with MPOs, establishes regional reduction targets for GHGs emitted by passenger cars and light trucks for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. ARB is also charged with reviewing each MPO's SCS or APS for consistency with its assigned targets. If MPOs do not meet the GHG reduction targets, funding for transportation projects may be withheld.

EXECUTIVE ORDER B-48-18: ZERO EMISSION VEHICLES

In January 2018, Governor Brown signed Executive Order B-48-18 which required all State entities to work with the private sector to put at least 5-million zero-emission vehicles on the road by 2030, as well as install 200 hydrogen fueling stations and 250,000 zero-emissions chargers by 2025. In addition, State entities are also required to continue to partner with local and regional governments to streamline the installation of zero-emission vehicle infrastructure. Additionally, all State entities are to support and recommend policies and actions to expand infrastructure in homes, through the Low-Carbon Fuel Standard.

SENATE BILL 32 AND ASSEMBLY BILL 197 OF 2016

SB 32 was signed by Governor Brown on September 8, 2016. SB 32 effectively extends California's GHG emission-reduction goals from year 2020 to year 2030. This new emission-reduction target of 40 percent below 1990 levels by 2030 is intended to promote further GHG-reductions in support of the State's ultimate goal of reducing GHG emissions by 80 percent below 1990 levels by 2050. SB 32 also directs the ARB to update the Climate Change Scoping Plan to address this interim 2030 emission-reduction target. Achievement of these goals will have the co-benefit of increasing energy efficiency and reducing California's dependency on fossil fuels.

ADVANCED CLEAN CARS PROGRAM

In January 2012, CARB approved the Advanced Clean Cars program which combines the control of GHG emissions and criteria air pollutants, as well as requirements for greater numbers of zero-emission vehicles, into a single package of standards for vehicle model years 2017 through 2025. The new rules strengthen the GHG standard for 2017 models and beyond. This will be achieved through existing technologies, the use of stronger and lighter materials, and more efficient drivetrains and engines. The program's zero-emission vehicle regulation requires a battery, fuel cell, and/or plug-in hybrid electric vehicles to account for up to 15 percent of California's new vehicle sales by 2025. The program also includes a clean fuels outlet regulation designed to support the commercialization of zero-emission hydrogen fuel cell vehicles planned by vehicle manufacturers by 2015 by requiring increased numbers of hydrogen fueling stations throughout the state. The number of stations will grow as vehicle manufacturers sell more fuel cell vehicles. By 2025, when the rules will be fully implemented, the statewide fleet of new cars and light trucks will emit 34 percent fewer global warming gases and 75 percent fewer smog-forming emissions than the statewide fleet in 2016 (CARB 2016).

IMPACT ANALYSIS

THRESHOLDS OF SIGNIFICANCE

Based on Appendix F and G of the State CEQA Guidelines, the proposed project would result in a potentially significant impact on energy use if it would:

1. Result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation; or
2. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The CEQA Guidelines, Appendix F, requires environmental analyses to include a discussion of potential energy impacts associated with a proposed project. Where necessary, CEQA requires that mitigation measures be incorporated to reduce the inefficient, wasteful or unnecessary consumption of energy. The State CEQA Guidelines, however, do not establish criteria that define inefficient, wasteful or unnecessary consumption. Compliance with the State's building standards for energy efficiency would result in decreased energy consumption for proposed buildings. However, compliance with building codes may not adequately address all potential energy impacts associated with project construction and operation. As a result, this analysis includes an evaluation of electricity and natural gas usage requirements associated with future development, as well as, energy requirements associated with the use of on-road and off-road vehicles. The degree to which the proposed project would comply with existing energy standards, as well as, applicable regulatory requirements and policies related to energy conservation was also taken into consideration for the evaluation of project-related energy impacts.

METHODOLOGY

CONSTRUCTION

Regarding energy use (e.g., fuel use) during construction, it is assumed that only diesel fuel would be used in construction equipment. On-road vehicles for hauling materials and worker commute trips assumed a mix of diesel and gasoline fuel use. Construction schedules, equipment numbers, horsepower ratings, and load factors were used to calculate construction-related fuel use, based on default assumptions contained in the California Emissions Estimator Model (CalEEMod). Diesel fuel use was estimated based on a factor of 0.05 gallons of diesel fuel per horsepower-hour derived from the South Coast Air Quality Management District's (SCAQMD) *CEQA Air Quality Handbook* (SCAQMD 1993).

OPERATIONS

The long-term operation of proposed the land uses would require electricity and natural gas usage for lighting, space and water heating, appliances, water conveyance, and landscaping maintenance equipment. Indirect energy use would include wastewater treatment and solid waste removal. Project operation would include the consumption of diesel and gasoline fuel from on-road vehicles.

Building energy use was estimated using CalEEMod, version 2016.3.2. Energy use included electricity and natural gas use, including electricity associated with the use, conveyance, and treatment of water. To be conservative, estimated energy use was based on year 2020 operational conditions. With continued improvements in building energy efficiencies, energy use in future years would be less.

Transportation fuel-use estimates were calculated by applying average fuel usage rates per vehicle mile to vehicle miles traveled (VMT) data associated with the proposed project. Annual VMT was estimated using CalEEMod, version 2016.3.2. Average fuel usage rates by vehicle class, fuel type (e.g., diesel, gasoline, electric, and natural gas), and calendar year were obtained from San Luis Obispo County's emissions inventory derived from ARB's Emissions Factors (EMFAC) 2017 version 1.0.2 (ARB 2017b).

PROJECT IMPACTS AND MITIGATION MEASURES

Impact E-1:	<i>Would the project result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?</i>
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Implementation of the proposed Project would increase electricity, diesel, gasoline, and natural gas consumption associated with construction activities, as well as long-term operational activities. Energy consumption associated with short-term construction and long-term operational activities are discussed in greater detail, as follows:

Construction-Related Energy Consumption

Energy consumption would occur during construction of the proposed Project, including fuel use associated with the on-site operation of off-road equipment and vehicles traveling to and from the construction site. Table 1 summarizes the levels of energy consumption associated with project construction. As depicted, operation of off-road construction equipment would use an estimated total of 31,328 gallons of diesel fuel. On-road vehicles would use approximately 6,551 gallons of gasoline and 7,313 gallons of diesel fuel. In total, fuel use would equate to approximately 6,097 million British thermal units per year (MMBTU) over the life of the construction project. Construction equipment use and associated energy consumption would be typical of that commonly associated with the construction of new land uses. As a result, project construction would not be anticipated to require the use of construction equipment that would be less energy efficient than those commonly used for the construction of similar land uses. Idling of on-site equipment during construction would be prohibited when equipment is not in use in accordance with San Luis Obispo Air Pollution Control District (SLOAPCD) requirements and mitigation measures included as part of the air quality analysis prepared for this project. Furthermore, on-site construction equipment may include alternatively-fueled vehicles (e.g., natural gas), where feasible and to the extent locally available, in accordance with mitigation measures included as part of the greenhouse gas analysis prepared for this project. Energy use associated with construction of the proposed Project would be temporary and would not be anticipated to result in the need for additional capacity, nor would construction be anticipated to result in increased peak-period demands for electricity. As a result, construction of proposed project would not result in an inefficient, wasteful, or unnecessary consumption of energy. As a result, impacts are considered **less than significant**.

Table 1. Construction Energy Consumption

Source	Total Fuel Use (gallons)	Total MMBTU
Off-Road Equipment Use (Diesel)	31,328	4,304
On-Road Vehicles (Gasoline)	6,551	789
On-Road Vehicles (Diesel)	7,313	1,005
Total:		6,097
<i>Fuel use was calculated based, in part, on default construction schedules, equipment use, and vehicle trips identified for the construction of similar land uses contained in the CalEEMod output files prepared for the air quality analysis conducted for this project. Refer to Appendix A for modeling assumptions and results.</i>		

Operational Mobile-Source Energy Consumption

Operational mobile-source energy consumption would be primarily associated with commute trips to and from the campus. Energy use associated with commute trips are discussed in greater detail, as follows:

Table 2 summarizes the total fuel use at build-out of the proposed land uses. As noted in Table 2, the proposed project would consume an estimated 7,326 gallons/year of diesel fuel and an estimated 39,788 gallons/year of gasoline. In total, fuel use would equate to approximately 5,798 MMBU/year. It is important to note that adherence to Federal and State regulations that include, but are not limited to, the Low-Carbon Fuel Standard, Advanced Clean Car Program, and Low-Emission Vehicle Program would contribute to reductions in future fuel usage. However, , the proposed project does not include measures to reduce employee or guest vehicle trips. As a result, this impact would be considered **potentially significant**.

Table 2. Operational Fuel Consumption

Source	Total Fuel Use (gallons)	Total MMBTU
On-Road Vehicles (Diesel)	7,326	1,006
On-Road Vehicles (Gasoline)	39,788	4,792
Total:		5,798
<i>Fuel use was calculated based, in part, on VMT data for the proposed land uses derived from CalEEMod. Refer to Appendix A for modeling assumptions and results.</i>		

Operational Building-Use Energy Consumption

The proposed project would result in increased electricity and natural gas consumption associated with the long-term operation of the proposed land uses. It is important to note that the proposed buildings would be required to comply with Title 24 standards for energy-efficiency, which would include increased building insulation and energy-efficiency requirements, including the use of energy-efficient lighting, energy-efficient appliances, and use of low-flow water fixtures.

Estimated electricity and natural gas consumption associated with proposed Project are summarized in Table 3. As depicted, the Project would result in the total consumption of approximately 745,114 kilowatt hours per year (kWh/Yr) of electricity and approximately 4,863 MMBTU/year of natural gas. In total, the proposed project would use consume a total of approximately 7,313 MMBTU/year of electricity and natural gas. The proposed project would comply with the most current building energy-efficient standards (i.e., Title 24), which would result in increased building energy efficiency and energy conservation. However, without mitigation, implementation of the proposed project could result in wasteful, inefficient, and unnecessary consumption of energy. As a result, this impact would be considered **potentially significant**.

Table 3. Operational Electricity & Natural Gas Consumption

Source	Energy Use	MMBTU/Year
Electricity Consumption	711,682 kWh/Yr	2,428
Water Use, Treatment & Conveyance	34,032 kWh/Yr	22
Natural Gas Use	4,863,300 kBTU/Yr	4,863
Total:		7,313
<i>Fuel use was calculated based, in part, on default construction schedules, equipment use, and vehicle trips contained in the CalEEMod output files prepared for the air quality analysis conducted for this project. Refer to Appendix A for modeling assumptions and results.</i>		

Mitigation Measures

- E-1:** a. The following measures shall be implemented to reduce or offset energy use associated with the development of the proposed project. (These measures are also identified in the Air Quality & Greenhouse Gas Impact Assessment prepared for this project.):
1. The project shall install high efficiency lights (i.e., sodium, light-emitting diode [LED]) in parking lots, streets, and other public areas.
 2. The project shall provide on-site bicycle parking and/or amenities in accordance with the California Green Building Standards Code and related facilities to support long-term use (lockers, or a locked room with standard racks and access limited to bicyclists only).
 3. The project shall incorporate a pedestrian access network that internally links all uses and connects all existing or planned external streets and pedestrian facilities contiguous with the project site.
 4. The project shall be designed to minimize barriers to pedestrian access and interconnectivity.
 5. The project shall incorporate traffic calming improvements as appropriate (e.g., marked crosswalks, count-down signal timers, curb extensions, speed tables, raised crosswalks, median islands, mini-circles, tight corner radii, etc.).
 6. Six percent of construction vehicles and equipment shall be electrically-powered or use alternative fuels such as compressed natural gas.
 7. Idling of all on and off-road diesel-fueled vehicles shall not be permitted when not in use. Signs shall be posted in the designated queuing areas and or job site to remind drivers and operators of the no idling limitation.
- b. The following additional measures shall also be implemented. (These measures are also identified in the Air Quality & Greenhouse Gas Impact Assessment prepared for this project.):
1. Trees to be planted shall be native and drought tolerant, beyond those required as mitigation for tree removal.

2. Install occupancy sensors in hotel guest rooms that reduce energy usage when rooms are not occupied.
3. To the extent available, install energy-efficient (e.g., EnergyStar rated) appliances. (Refer to: <https://www.energystar.gov/products>).
4. Provide a designated parking space for an alternatively-fueled vehicle.
5. The project shall be designed to provide for the future installation of an electric-vehicle charging station.
6. The project shall be designed for the future installation of renewable/photovoltaic energy systems.
7. To the extent allowed by code, utilize roofing materials that have a high-solar-reflectance index. (Refer to: <https://www.epa.gov/sites/production/files/2014-06/documents/coolroofscompendium.pdf>).

Significance After Mitigation

Mitigation Measure E-1 includes measures that would result in decreased energy consumption and increase reliance on renewable energy sources. With the implementation of Mitigation Measures E-1, implementation of the proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy. This impact would be considered **less than significant**.

Impact 2:	<i>Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?</i>
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As discussed earlier in this report, the proposed project would result in the consumption of energy associated with the use of motor vehicles, equipment, electricity, and natural gas consumption. Without mitigation, the proposed project could result in increased fuel usage that could conflict with applicable plans, policies, or regulations adopted for the purpose of reducing future energy use including, but not limited to, local and state climate action plans. Adherence to current and future Title 24 energy requirements would help to reduce the project's building-use energy consumption. Additional measures would, nonetheless, likely be required to further reduce energy usage, as well as, fuel use associated with motor-vehicle trips. This impact would be considered **potentially significant**.

Mitigation Measures

Implement Mitigation Measure E-1

Significance After Mitigation

Mitigation measures have been included to reduce overall operational energy consumption, including those associated with long-term operational building energy use and fuel consumption. With mitigation, operational energy consumption would be substantially reduced, beyond those required by Title 24 building energy-efficiency requirements. With mitigation, this impact would be considered **less than significant**.

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APPENDIX A

Energy Modeling

Energy Use Summary

Construction Energy Use

	Gallons	Annual MMBTU
Off-Road Equipment Fuel (Diesel)	31,328	4,304
On-Road Vehicle Fuel (Gasoline)	6,551	789
On-Road Vehicle Fuel (Diesel)	7,313	1,005
Total:		6,097

Operational Fuel Use

	Gallons	Annual MMBTU
Mobile Fuel (Diesel)	7,326	1,006
Mobile Fuel (Gasoline)	39,788	4,792
Total:		5,798

Operational Electricity & Natural Gas Use

	Annual Energy	Annual MMBTU
Electricity (kWh/yr, MMBTU)	711,682	2,428
Water Use, Treatment & Conveyance (kWh/Yr, MMBTU)	34,032	22
Natural Gas (kBTU/yr, MMBTU)	4,863,300	4,863
Total:		7,313

Construction Equipment Fuel Use

OFF-ROAD EQUIPMENT FUEL USE

Primary Construction Activity	Activity Duration (Days)	Equipment Type	Size (hp)	Number of Pieces	Hours of Daily Use/Piece of Equipment	Total Days of Use	Load Factor	Fuel Usage Rate (g/bhph)	Total Fuel Diesel (Gallons)
Site Preparation	5	Tractor/Loader/Backhoe	97	4	8	5	0.37	0.05	287
		Rubber Tired Dozer	247	3	8	5	0.40	0.05	593
Grading	8	Excavators	158	1	8	8	0.38	0.05	192
		Rubber Tired Dozer	247	1	8	8	0.40	0.05	316
		Grader	187	1	8	8	0.41	0.05	245
		Tractor/Loader/Backhoe	97	3	8	8	0.37	0.05	345
Building Construction	230	Cranes	231	1	7	230	0.29	0.05	5393
		Forklifts	89	3	8	230	0.20	0.05	4913
		Generators	84	1	8	230	0.74	0.05	5719
		Tractor/Loader/Backhoe	97	3	8	230	0.37	0.05	9906
		Welders	46	1	8	230	0.45	0.05	1904
Paving	18	Paver	130	1	8	18	0.42	0.05	393
		Cement/Mortar Mixer	9	2	6	18	0.56	0.05	
		Roller	80	2	8	18	0.38	0.05	438
		Paving Equipment	132	2	8	18	0.36	0.05	684
Arch. Coating	18	Air Compressors	78	1	6	18	0.48	0.05	202
Equipment usage assumptions based on information provided by the project applicant and default assumptions contained in CalEEMod.									
Total Diesel Fuel Use (Gallons):									31328
Number of Construction Years:									1
Average Diesel Fuel Use/Year:									31328
BTU/Gallon:									137381
MMBTU:									4304

Construction Fuel Use - On-Road Vehicles

Activity	Demo	Site Prep	Grading	Bldg	Pav	Arch	Total	LDA	LDT1	LDT2	MDV	HDV
Days	0	5	8	230	18	18						
Worker Trips	0	18	15	70	20	14						
Miles/Trip	0	13	13	13	13	13						
Total VMT	0	1170	1560	209300	4680	3276	219986	73328.67	73328.67	73328.67	0	0
Vendor Trips	0	0	0	27	0	0						
Miles/Trip	0	5	5	5	5	5						
Total VMT	0	0	0	31050	0	0	31050	0	0	0	31050	0
Haul Trips	0	0	231	0	0	0						
Miles/Trip	0	0	20	0	0	0						
Total VMT	0	0	36960	0	0	0	36960	0	0	0	0	36960

	Annual VMT	Gallons/Mile*	Gallons	BTU/gallon**	BTU	MMBTU
HDT	36960	0.16576607	6127	137381	841694080	841.69
LDA	73329	0.02115860	1552	120429	186849455	186.85
LDT1	73329	0.03945856	2893	120429	348454515	348.45
LDT2	73329	0.02872353	2106	120429	253654561	253.65
MDV	31050	0.03822060	1187	137381	163036835	163.04

*Gallons per mile based on year 2020 conditions for San Luis Obispo County. Derived from Emfac2017 (v1.0.2) Emissions Inventory.

**Energy coefficient derived from US EIA.

https://www.eia.gov/energyexplained/index.php?page=about_energy_units

EMFAC2017 Fuel Rate Calculation	Fuel Consumption (1000 Gallons/Day)*		VMT (Miles/Day)**		
	Diesel	Gasoline	Diesel	Gasoline	TOTAL
LDA	1.896403785	153.7296924	89628.02925	4714593.637	
LDT1	0.013430403	20.41811728	340.3672813	534240.8774	
LDT2	0.403028431	84.47049099	14031.29893	1966688.659	
MDV	1.874679524	76.31140408	49048.9345	1470019.305	
HHDT	27.47099525	0.023902479	165721.4624	95.25853321	
Total	2.312862619	258.6183006	103999.6955	7215523.173	7319522.868
LDA-Miles/Gallon	47.26210208	30.66807436			
LDA-Gallons/Mile	0.021158602	0.032607199			
LDT1-Miles/Gallon	25.3430437	26.16504108			
LDT1-Gallons/Mile	0.03945856	0.038218935			
LDT2-Miles/Gallon	34.81466277	23.28255271			
LDT2-Gallons/Mile	0.02872353	0.042950617			
MDV-Miles/Gallon	26.16390368	19.26342888			
MDV-Gallons/Mile	0.038220596	0.051911838			
HDT-Miles/Gallon	6.032597687	0			
HDT-Gallons/Mile	0.165766068	0			

*Fuel consumptions derived from EMFAC2017 (v1.0.2) for year 2020 conditons.

**VMT derived from EMFAC2017 (v1.0.2) for year 2020 conditons.

Fuel consumption and VMT based on the San Luis Obispo County.

Operational Fuel Use - Proposed Project (Includes Existing Trips to be Relocated)

LAND USE	Total Annual VMT
Morro Bay Hotel	1,050,595

	VMT	Gallons/Mile*	Gallons	BTU/gallon**	BTU	MMBTU
Diesel	85472	0.08571500	7326	137381	1006482467	1006.48
Gasoline	965123	0.04122561	39788	120429	4791604576	4791.60

*Gallons per mile based on year 2020 conditions for San Luis Obispo County. Derived from Emfac2017 (v1.0.2) Emissions Inventory.

**Energy coefficient derived from US EIA.

https://www.eia.gov/energyexplained/index.php?page=about_energy_units

EMFAC2017 Fuel Rate Calculation	Fuel Consumption (1000 Gallons/Day)*		VMT (Miles/Day)**	
	Diesel	Gasoline	Diesel	Gasoline
All Other Buses	0.479311766	1.94642709	4256.967461	8869.51206
LDA	1.896403785	153.7296924	89628.02925	4714593.637
LDT1	0.013430403	20.41811728	340.3672813	534240.8774
LDT2	0.403028431	84.47049099	14031.29893	1966688.659
LHD1	14.41415057	21.39473651	249622.7273	174679.1715
LHD2	5.327070683	3.126699442	82262.00657	22384.54731
MCY		1.604018933		59346.87958
MDV	1.874679524	76.31140408	49048.9345	1470019.305
MH	0.648531778	3.058776184	6169.038613	14130.37061
Motor Coach	0.41093779		2527.207345	
PTO	0.705647501		3174.790885	
SBUS	0.987930361	0.285694417	7781.357053	2492.089374
T6 Ag	0.021907444		197.7824954	
T6 CAIRP heavy	0.098554407		1055.673709	
T6 CAIRP small	0.019256991		197.8940652	
T6 instate construction heavy	0.547702579	3.742347996	4339.20776	17394.66721
T6 instate construction small	1.196571913		9530.385865	
T6 instate heavy	4.4757565		41221.10722	
T6 instate small	6.358420422		57350.12583	
T6 OOS heavy	0.069658705		755.9078778	
T6 OOS small	0.009310642		94.61468566	
T6 Public	0.375796857		2647.662324	
T6 utility	0.057044164		493.1420002	
T7 Ag	0.015396757		87.45912732	
T7 CAIRP	4.316178289	0.023902479	28374.60453	95.25853321
T7 CAIRP construction	0.551162986		3116.890628	
T7 NNOOS	5.113478823		34606.82986	
T7 NOOS	1.734259356		11142.81136	
T7 other port	1.314879661		7072.701497	
T7 Public	0.908751508		4644.496518	
T7 Single	2.915699373		15988.88148	
T7 single construction	1.478922422		7732.432357	
T7 SWCV	1.46954877		3461.672256	
T7 tractor	5.671375438		39657.74504	
T7 tractor construction	1.225499859		6378.575925	
T7 utility	0.050194503		281.5709177	
UBUS	1.067556731	0.404213504	6667.189346	2597.166274
Total	68.22400769	370.5165213	795940.0899	8987532.14
Percent of Total			8.14%	91.86%
Miles/Gallon	11.66656895	24.25676488		
Gallons/Mile	0.085715004	0.041225613		

9783472.23

*Fuel consumptions derived from EMFAC2017 (v1.0.2) for year 2020 conditons.

**VMT derived from EMFAC2017 (v1.0.2) for year 2020 conditons.

Fuel consumption and VMT based on the San Luis Obispo County.

Water Energy Use

	WATER USE*	ELECTRIC INTENSITY FACTORS (kWh/Mgal)		ANNUAL ELECTRIC USE (kWh/Yr)		
	MGAL/YR	INDOOR	OUTDOOR	INDOOR	OUTDOOR	TOTAL
ANNUAL INDOOR WATER USE	1.68	3500		5895		6,317
ANNUAL OUTDOOR WATER USE	0.12		3500		422	

*Based on estimated water use derived from CalEEMod.
**Energy coefficient derived from US EIA.
https://www.eia.gov/energyexplained/index.php?page=about_energy_units

BTU/kWh** 3412
BTU: 21553889
MMBTU: 21.55

Operational Electricity & Natural Gas Use

	kWh/yr	MWh/Yr	BTU/kWh*	BTU	MMBTU
Electricity	711682	712	3412	2428258984	2428.26

*Energy coefficient derived from US EIA.

https://www.eia.gov/energyexplained/index.php?page=about_energy_units

	kBTU/yr			BTU	MMBTU
Natural Gas	4863300			4863300000	4863.30

*Energy coefficient derived from US EIA.

https://www.eia.gov/energyexplained/index.php?page=about_energy_units

ATTACHMENT E:
GEOTECHNICAL ENGINEERING REPORT

**GEOTECHNICAL ENGINEERING REPORT
233 ATASCADERO HOTEL
ATASCADERO ROAD
MORRO BAY, CALIFORNIA**

January 29, 2018

Prepared for

AZSA Hospitality, LLC

Prepared by

Earth Systems Pacific
4378 Old Santa Fe Road
San Luis Obispo, CA 93401

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January 29, 2018

FILE NO.: SL-18230-SA

Mr. Hemant Patel
AZSA Hospitality, LLC
590 Morro Avenue
Morro Bay, CA 93442

PROJECT: 233 ATASCADERO HOTEL
ATASCADERO ROAD
MORRO BAY, CALIFORNIA

SUBJECT: Geotechnical Engineering Report and Results of LID Infiltration Testing

CONTRACT

REF: Revised Proposal to Provide a Geotechnical Engineering Investigation and Infiltration Testing, 233 Atascadero Road, Morro Bay, California, by Earth Systems Pacific, Doc. No. 1711-075.PRP.REV, dated November 20, 2017, revised November 29, 2017

Dear Mr. Patel:

Per your authorization of the referenced proposal, this geotechnical engineering report has been prepared for use in the development of plans and specifications for the proposed Atascadero Hotel project at 233 Atascadero Road in Morro Bay, California. Preliminary geotechnical engineering recommendations for site preparation, grading, utility trenches, foundations, interior slabs-on-grade and exterior pedestrian flatwork, retaining walls, pavement sections, drainage and maintenance, and observation and testing are presented herein. Results of the Low Impact Development (LID) infiltration testing are also included for your use in assessing the infiltration potential in the test areas. One electronic copy and one paper copy of this report have been provided to you. Additional electronic copies can be forwarded upon request.

We appreciate the opportunity to have provided professional services for this project and look forward to working with you again in the future. If there are any questions concerning this report, please do not hesitate to contact the undersigned.

Sincerely,

Earth Systems Pacific


Nick Zoetewey, PE
Project Engineer

Doc. No.: 1801-100.SER/pm


Fred J. Potthast, PE, GE
Principal Engineer
1/29/18

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APPENDIX B	Laboratory Test Results
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1.0 INTRODUCTION AND SITE SETTING

Atascadero Hotel is proposed at 233 Atascadero Road in Morro Bay, California. The project location is indicated on the Site Vicinity Map – Figure 1 in Appendix A. The project will mainly consist of constructing the 3-story hotel, which will likely consist of steel and/or wood-frame construction. Dead plus live column and wall loads have not yet been provided, but are anticipated to range from 150 to 175 kips, and 6 to 8 kips per lineal foot, respectively. Additional improvements will consist of an entry porte-cochere that will be connected to the hotel, Portland cement concrete (PCC) pedestrian flatwork, PCC and asphalt concrete (AC) vehicular pavements, utilities, retaining walls that are a maximum of 3 feet tall, and Low Impact Development (LID) features such as detention basins. To the best of our knowledge, no other improvements are planned. The site is relatively level; therefore, cuts and fills will likely be limited to 2 feet or less for general site grading, with cuts up to 4 feet for the proposed detention basins.

The site is at the northwest corner of Highway 1 and Atascadero Road (Highway 41), and is bordered by Morro Bay High School to the north, Atascadero Road to the south, the entrance road to the High School to the west, and the Highway 1 southbound offramp to the east. The site is currently undeveloped, with the exception of underground gas and overhead power lines running through the southern portion of the site in a generally east-west direction. The site surface is covered with a light to moderate growth of grass and weeds.

2.0 SCOPE OF SERVICES

The scope of work included a general site reconnaissance, field exploration and infiltration testing, laboratory testing, geotechnical analysis of the data gathered, and preparation of this report. The analysis and subsequent recommendations were based on correspondence with the client, and a preliminary site plan (AXIS GFA 2017) provided by the client.

This report and recommendations are intended to comply with the considerations of Sections 1803.1 through 1803.6, J104.3 and J104.4, as applicable, of the 2016 California Building Code (CBC) and common geotechnical engineering practice in this area under similar conditions at this time. The test procedures were accomplished in general conformance with the standards noted, as modified by common geotechnical engineering practice in this area under similar conditions at this time.

Preliminary geotechnical engineering recommendations for site preparation, grading, utility trenches, foundations, interior slabs-on-grade and exterior pedestrian flatwork, retaining walls, pavement sections, drainage and maintenance, and observation and testing are presented to guide the development of project plans and specifications. The results of LID infiltration testing



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are also included. As there may be geotechnical issues yet to be resolved, the geotechnical engineer should be retained to provide consultation as the design progresses, and to review project plans as they near completion to assist in verifying that pertinent geotechnical issues have been addressed and to aid in conformance with the intent of this report.

It is our intent that this report be used exclusively by the client to form the geotechnical basis of the design of the project and in the preparation of plans and specifications. Application beyond this intent is strictly at the user's risk.

This report does not address issues in the domain of contractors such as, but not limited to, site safety, loss of volume due to stripping of the site, shrinkage of soils during compaction, excavatability, dewatering, temporary slope angles, construction means and methods, etc. Analyses of aerial or site geology, or of the soil for corrosivity, radioisotopes, asbestos (either naturally occurring or in man-made products), lead or mold potential, hydrocarbons, or chemical properties is beyond the scope of this report. Any ancillary features such as flag or light poles, temporary access roads, and non-structural fills are not within our scope and are also not addressed. Design and/or determination of suitability of LID features such as retention basins, bio swales, or other improvements are also beyond our scope.

In the event that there are any changes in the nature, design, or location of improvements, or if any assumptions used in the preparation of this report prove to be incorrect, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed and the conclusions of this report modified or verified by the geotechnical engineer in writing. The criteria presented in this report are considered preliminary until such time as any peer review or review by any jurisdiction has been completed, conditions have been observed by the geotechnical engineer in the field during construction, and the recommendations have been verified as appropriate, or modified by the geotechnical engineer in writing.

3.0 FIELD INVESTIGATION AND LABORATORY ANALYSIS

On December 11, 2017, six exploratory borings were drilled to depths that ranged from 5 to 47.0 feet below the existing ground surface (bgs) at the site; eight borings were also drilled to depths that ranged from 2 to 8 feet for LID infiltration testing (four at each LID location; borings designated A1 through A4, and B1 through B4). The borings were drilled with a Mobile Drill rig, Model B-53, equipped with a 6-inch outside diameter hollow stem auger and an automatic hammer for sampling. As the exploratory borings were drilled, soil samples were obtained using a ring-lined barrel sampler (ASTM D 3550-17 with shoe similar to ASTM D 2937-17). Standard



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Penetration Tests (SPT) (ASTM D 1586-11) were also conducted at selected depths in the borings and bulk samples were obtained from the auger cuttings. The approximate locations of the borings are shown on Figure 2 - Exploration Location Map in Appendix A.

Soils encountered in the borings were categorized and logged in general accordance with the Unified Soil Classification System and ASTM D 2488-17. Logs of the borings are presented in Appendix A, along with a Boring Log Legend. In reviewing the boring logs and legend, the reader should recognize that the legend is intended as a guideline only, and there are a number of conditions that may influence the characteristics observed during drilling. These include, but are not limited to, the presence of cobbles or boulders, cementation, variations in soil moisture, presence of groundwater, and other factors. It should also be noted that the descriptions of bedrock must span and much wider range of density and strength characteristics than soil, and are relative to other bedrock strata. For example, weathered bedrock may be described as "soft," yet it will be considerably harder than almost any type of soil. Conversely, a clay soil may be described as "hard," however, it will not be nearly as hard as even "soft" bedrock such as the shale encountered at the site. Consequently, the logger must exercise judgment in interpreting soil characteristics, possibly resulting in soil descriptions that vary from the legend.

Two bulk samples were tested for maximum density and optimum moisture content (ASTM D 1557-12, modified), with one of the samples tested for remolded direct shear (ASTM D 3080/D 3080M-11). Additional testing of bulk samples consisted of one expansion index test (ASTM D 4829-11) and one R-Value test (ASTM D 2844/D 2844M-13). Select ring samples were tested for bulk density (ASTM D 2937-17, modified for ring liners) and one ring sample was tested for consolidation (ASTM D 2435/D 2435M-11). Two SPT samples were each tested for moisture content (ASTM D 2216-10) and plastic limit (ASTM D 4318-17). The results of the laboratory tests are presented in Appendix B.

4.0 GENERAL SUBSURFACE PROFILE

All borings encountered alluvial soils that consisted of very soft to stiff lean clays with variable amounts of sand and gravel, and loose clayey sand. The surficial soils were underlain by additional alluvium that consisted of interbedded layers of loose to medium dense poorly graded sand with variable amounts of clay and silt, medium dense poorly graded gravel with variable amounts of clay and sand, and stiff sandy lean clay, which extended to approximately 43.5 feet bgs in Boring 2. Hard and weathered Franciscan Melange bedrock (metavolcanic rock) was encountered below the alluvium and extended to the maximum depth explored of approximately 47.0 feet bgs, where practical refusal was met.



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Ground water was encountered in Borings 1 through 3 at depths that ranged from 13.5 to 16 feet bgs.

5.0 LID INFILTRATION TESTING

Eight borings were drilled for infiltration tests to depths that ranged from 2 to 8 feet bgs with the same drill rig described above. After drilling was completed, a 2-inch diameter perforated pipe was installed in each of the test borings and the annular spaces around the pipes were filled with gravel. Infiltration testing was performed in general accordance with the referenced methods developed by this firm in cooperation with Central Coast Low Impact Development Initiative (Earth Systems Pacific 2013).

Initially, infiltration testing consisted of introducing water into each of the test borings to just below existing grade. This water level was then maintained at constant head for 30 minutes. The water was then shut off and the amount of water introduced into each of the test borings was recorded. Readings of the change in water level were then recorded at various time intervals over a period of approximately 4 hours. Following testing, the pipes were removed and the test borings were backfilled with on-site soil. The LID infiltration test results are attached in Appendix C.

Constant head infiltration testing resulted in introducing 1 to 20.5 gallons of water over a period of 30 minutes at 2 to 8 feet of head. Falling head tests resulted in infiltration rates of 0.5 to 8.5 inches per hour. These test results indicate a slow to fast rate of infiltration. The test results only indicate the infiltration rate at the specific location and under specific conditions. Sound engineering judgment should be exercised in extrapolating the test results for other conditions or locations. Technical design references vary in methods they present for using these types of test results. However, most references include reduction, safety, and/or correction factors for several parameters including, but not limited to, size of the LID system relative to the test volume, number of tests conducted, variability in the soil profile, anticipated silt loading, anticipated biological buildup, anticipated long-term maintenance, and other factors. Typically, in aggregate these factors range from about 2.5 to 50 depending upon the method used. Based on ground water levels encountered at this site, available ground water data in the area from the California Department of Water Resources (CDWR 2018) and our experience in the area, a ground water depth of 12 feet below existing grades should be used for design. The final determination of the means by which these data are used is left to the design engineer.



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6.0 CONCLUSIONS

In our opinion, the site is suitable, from a geotechnical engineering standpoint, for the proposed hotel building and other improvements discussed in the "Introduction and Site Setting" section of the report, provided the recommendations contained herein are implemented in the design and construction. The primary geotechnical concern at this site is the potential for seismic settlement due to liquefaction. The results of our seismic analysis, the site soil's very low resistance to traffic loads, expansion potential and erosion potential are also discussed below.

Seismically Induced Settlement Resulting from Liquefaction

The term "liquefaction" refers to the liquefied condition and subsequent loss of soil strength that can occur in soils when they are subjected to a sudden shock, such as that generated during an earthquake. Studies of areas where liquefaction has occurred have led to the general conclusion that saturated soil conditions, low soil density, grain sizes within a certain range, and a sufficiently strong earthquake are factors that, in combination, create a potential for liquefaction. During liquefaction, the energy from the earthquake causes the water pressure within the pores of the soil to increase. The increase in water pressure decreases the friction between the soil grains, allowing the soil grains to move relative to one another. During this state, the soil will behave as a viscous liquid, temporarily losing its ability to support foundations and other improvements. The high-pressure water will flow along the path of least resistance, which may be to the ground surface. As it flows, the water carries sand and silt in suspension, often releasing these materials on the surface in cone-shaped deposits called "sand boils"; the surface release is called "surface rupture" or "ground-surface disruption."

The potential for liquefaction was assessed based upon data obtained from the exploratory borings. Groundwater was encountered in the exploratory borings as shallow as 13.5 feet below the ground surface; based on information in the area (CDWR 2018) and our experience in the area, groundwater may become as shallow as 12 feet bgs. The soils encountered in the borings consisted of interbedded layers of fine grained, cohesive soils (lean clay layers) and coarse grained, loose to medium dense, cohesionless soils (poorly graded sand and gravel layers) that began at approximately 13 feet below existing grade and totaled approximately 20 feet in cumulative thickness (to a depth of approximately 43.5 feet below existing grades). The cohesionless soil layers have the potential to liquefy and were screened in our liquefaction analysis.

Liquefaction analysis also requires an earthquake magnitude and a peak mean ground acceleration (PGA_M). The seismicity of nearby faults was analyzed by deaggregating fault characteristics to determine the statistical mean and modal earthquake magnitudes that



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contributed to the site's PGA_M . These two magnitudes were then compared and the higher of the two was used in the analysis. In this case, the modal magnitude was higher than the mean magnitude; the modal magnitude was 7.7. The PGA_M was determined using methods described in the "Foundations" section of this report, which resulted in a PGA_M of 0.456g.

Borings 1 through 3 were reviewed and analyzed for liquefaction potential, following the guidelines of Special Publication 117A (CDMG 1997, Revised 2008), and using LiqSVs, an SPT-based liquefaction analysis program developed by GeoLogismiki (2016). The program allows the use of analysis methods developed by NCEER (1997), with recommendations from Youd et al. (2001), and Idriss and Boulanger (2014). Input parameters included the depth to groundwater, SPT N values, fines contents and the plasticity of fines, and the seismic parameters developed from the seismic analyses. A design groundwater level of 12 feet was used for the analyses. A factor of safety of 1.3 was used to determine the liquefaction potential.

Based on the results of our analysis, the saturated, loose to medium dense cohesionless layers are considered potentially susceptible to liquefaction. The total dynamic settlement within these zones was estimated to be up to 5 inches, with differential settlement estimated to be on the order of 3 inches over a horizontal distance of 25 to 30 feet. Based on the work by Youd and Garris (1995), the non-liquefiable cap thickness of approximately 13 feet is sufficient to prevent surface rupture, such as sand boils; therefore, the estimates above appear to be reasonable.

Foundations and/or subsurface conditions should be designed and/or modified to address the potential for significant settlement due to liquefaction. One option to resist liquefaction is to utilize deep foundations (i.e., piles) for structure support; the piles would bear through the upper potentially liquefiable zone and into more dense, non-liquefiable materials at depth. Another option is ground improvement, which typically consists of displacing the soil with an auger to the bottom of the liquefiable layers and injecting grout or consolidating gravel into the resulting soil voids, thus densifying the soil; conventional shallow foundations would then be constructed over the ground improvement elements. Deep foundations and ground improvement options are relatively expensive when compared to conventional shallow foundations constructed over prepared subgrade. On this site, it is our opinion that a hybrid solution involving over-excavation and reinforcement of the soil, and a rigid mat foundation, can be utilized provided the client and architect/engineer understand and accept the risks involved.

Mat foundations distribute the structural loads over a wider area of the soil, and can be designed to be sufficiently rigid such that the foundation will act as an integral unit in the event of liquefaction. The foundation should be designed to accommodate the shear and bending



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stresses that could result from the anticipated differential seismic settlement due to liquefaction. A relatively low bearing value is also recommended, as is a design of the foundations to accommodate a span of lost bearing at any point within the foundation. The owner must recognize, however, that if liquefaction occurs as a result of a major earthquake, there will be a risk of movement and possibly some damage to the structure and its foundations.

If an earthquake slightly smaller than the earthquake with the design parameters analyzed were to occur, the resulting dynamic settlement would be of a lesser magnitude than that calculated using the previously mentioned design parameters.

Regardless of the magnitude of the causative earthquake, the result of the ensuing seismic settlement would be that the structure would likely no longer be level. Our intent in recommending the mat foundations is to provide a system that would remain sufficiently intact such that re-leveling would be feasible. Re-leveling would most likely be accomplished by mud-jacking or pressure-grouting the foundations back to their original elevation.

The architect/engineer should determine if the calculated potential settlements and the proposed foundation type are compatible with the project. Detailed recommendations regarding this site development option are discussed in the "Grading" and "Foundations" sub-sections of the "Preliminary Geotechnical Recommendations" section of this report. If the client and/or architect/engineer determine this site development concept is not compatible with the proposed project then a deep foundation system or ground improvement would be needed. The geotechnical engineer should be contacted to provide supplemental recommendations in the event that deep foundations or ground improvement are to be utilized at this site.

Seismic Analysis

A seismic analysis was undertaken to provide seismic acceleration design parameters. The 2010 ASCE 7 method with 2013 updates, available on the United States Geological Survey Earthquake Hazards Program website (USGS 2018), was used. The project was considered to be a "nonessential" facility from the perspective of risk category as described by the CBC. Site coordinates of 35.38066 degrees north and 120.85664 degrees west as taken from the Google Earth website (Google 2018) were used in the analysis. Based upon the subsurface conditions encountered during our investigation, the site should be classified as Site Class D (Stiff Soil). The results of the seismic hazard analysis are presented in the "Foundations" section of this report.



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Low Resistance to Traffic Loads

An R-Value, or resistance to deformation under repeated loading, test was performed on a sample of the sandy lean clay at the site. The test resulted in a value of 7, which indicated that the surficial soils have a low resistance to the types of loads imposed by traffic. Pavement sections based upon an R-Value of 7 are presented later in this report. Depending upon the soils actually present at subgrade elevation following rough grading, additional R-Value testing may be warranted, and AC and aggregate base (AB) sections should be adjusted accordingly.

Expansion Potential of Surficial Soils

Expansion index testing performed on a sample of the materials in the upper portion of the borings resulted in a value of 40; per 2016 CBC 1803.5.3, the site soils are considered to be expansive. Expansive soils tend to swell with seasonal increases in moisture and shrink during the dry season as subsurface moisture decreases. The volume changes that these materials undergo in this cyclical pattern can stress and damage slabs and foundations if precautionary measures are not incorporated into the design and construction procedures. The mat foundation system recommended as a partial liquefaction mitigation measure is considered to be sufficient to resist potential stresses induced by expansive soil. Imported non-expansive soils are recommended to be placed beneath exterior pedestrian flatwork. All expansive soils should be moisture conditioned to at least 1 percent above optimum prior to compaction.

Erosion Potential

The soils at the site are considered to be erodible; therefore, caution should be exercised to protect the soil from erosion during and following construction.

7.0 PRELIMINARY GEOTECHNICAL RECOMMENDATIONS

These recommendations are applicable for the proposed project as described in the "Introduction and Site Setting" section of this report. If locations, elevations, structural loads, etc. change, or if other improvements not previously mentioned are included, the geotechnical engineer should be contacted for revised recommendations. In developing the following recommendations, it was assumed that irrigated landscaping or flatwork will be installed within a zone of at least five feet around the perimeter of the structure or other improvements; the intent is to keep the soils in a relatively uniform moisture condition year-round.

Unless otherwise noted, the following definitions are used in the recommendations presented below. Where terms are not defined, definitions commonly used in the construction industry are intended.



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- **Building Area:** The building area is defined as the area within and extending a minimum of 5 feet beyond the perimeter of the foundation for the proposed building. The building area also includes the footprint of any improvements which are rigidly connected to the structure and that are expected to perform in a similar manner.
- **Sitework Retaining Wall Area:** The area within and extending a minimum of 2 feet beyond the footprint of any sitework retaining wall foundation.
- **Flatwork Area:** The area within and extending a minimum of 1 foot beyond the limits of exterior pedestrian flatwork.
- **Pavement Area:** The area within and extending a minimum of 1 foot beyond the limits of any areas to receive AC or PCC pavement, such as roadways, parking areas, driveway aprons, and/or trash enclosure pads.
- **Grading Area:** The entire area to be graded, including the building areas, sitework retaining wall areas, flatwork areas, pavement areas, and any areas where surface improvements will be constructed or fill will be placed.
- **Subgrade:** The elevation of the surface upon which a sand cushion/non-expansive imported material or aggregate base will be placed for flatwork or pavement, respectively.
- **Existing Grade:** Elevations of the site that existed as of the date of this report.
- **Finish Pad Grade:** The elevation in the building area where earthwork operations are typically considered to be complete. It does not include any sand or gravel that might be placed below mat foundations or slabs-on-grade in association with vapor protection.
- **Scarified:** Thoroughly plowed or ripped in two orthogonal directions to a depth of not less than 8 inches.
- **Moisture Conditioned:** Soil moisture content adjusted to at least 1 percent above optimum moisture content prior to application of compactive effort.
- **Compacted / Recompact:** Soils placed in level lifts not exceeding 8 inches in loose thickness and compacted to a minimum of 90 percent of maximum dry density, unless specified otherwise. The standard tests used to establish maximum dry density and field density should be ASTM D 1557-12 and ASTM D 6938-17, respectively, or other methods acceptable to the geotechnical engineer and jurisdiction.



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Site Preparation

1. The ground surface in the grading area should be prepared for construction by removing all existing improvements, foundations, concrete, vegetation, debris, and other deleterious materials. Any existing utility lines that will not remain in service should be either removed or abandoned. The appropriate method of utility abandonment will depend upon the type and depth of the utility. Recommendations for abandonment during construction can be made as necessary.
2. Voids created by the removal of materials or utilities described above should be called to the attention of the geotechnical engineer. No fill should be placed unless the underlying soil has been observed by the geotechnical engineer.

Grading

1. Following site preparation, the existing soils within the building area should be removed to a minimum of 5 feet below lowest existing grade, or to 5 feet below the lowest foundation element, whichever is deeper. The exposed surface should be scarified, moisture conditioned and recompacted.
2. Following recompaction of the excavated surfaces within the building area, geotextile stabilization fabric (Mirafi RS580i, or equivalent) should be placed in the excavation. The fabric should be stretched as tightly as practicable, and held in place using pins or other methods recommended by the manufacturer. The fabric should also be overlapped on the sides as recommended by the manufacturer, and extended up the sidewalls of the excavation with a minimum of 5 feet of extra material above the excavation bottom.
3. A minimum of 2 feet of on-site soil or imported materials mentioned below should be placed over the fabric throughout the entire excavation. The materials should be placed in at least 2 lifts, and each lift should be moisture conditioned and compacted.
4. Following placement of the 2 feet of compacted soil, the fabric that was extended up the sidewalls should be pulled over the top of the compacted soil and stretched as tightly as practicable. A layer of geogrid (Tensar Tri-Ax TX-7) should then be placed over the top of the fabric and compacted soil, with a minimum of 3 feet of overlap over the fabric, and secured in place per the manufacturer.



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5. Following placement of the geotextile, soil layer and geogrid in the building area, previously removed soils and appropriate imported soils may be replaced over the geotextile/geogrid-encased soil in thin, moisture conditioned lifts and compacted to finish pad grade.
6. The first lift of fill above the geotextile/geogrid should be placed by end-dumping and spreading ahead of the earthmoving equipment. No equipment should be allowed to travel over the geotextile/geogrid until at least 6 inches of fill has been placed over it. The first lift of soil over the geotextile/geogrid should be compacted using heavy rubber-tired equipment; subsequent lifts of fill may be compacted using static or vibratory sheepsfoot compactors.
7. All utility lines below the proposed structure should be placed in the zone of compacted backfill above the top layer of geotextile/geogrid. If utility lines must penetrate the geotextile/geogrid, the geotextile/geogrid should be removed and replaced per the manufacturer's recommendations.
8. Following site preparation, the existing soils in sitework retaining wall foundation areas should be over-excavated to a minimum of 2 feet below existing grade. The exposed surface should be scarified, moisture conditioned and recompacted. After recompaction, moisture conditioned fill may be placed and compacted to bottom of footing elevation.
9. Following site preparation, the existing soils in areas to receive fill, pavement, flatwork or other improvements should be scarified, moisture conditioned and recompacted.
10. Any additional fill to be placed within building or flatwork areas should consist of non-expansive fill within the top 12 inches below mat slabs, slabs-on-grade, or flatwork.
11. Following over-excavation and/or scarification as recommended above, previously removed site soils may be used for fill to finish grade throughout the grading area.
12. Non-expansive materials are defined as materials that fall in the GW, GP, GM, GC, SP, SW, SC and SM categories per ASTM D 2487-11, and that have an expansion index of 10 or less (ASTM D 4829-11). Proposed non-expansive materials should be reviewed by the geotechnical engineer before being brought to the site, and on an intermittent basis during placement. The clean sand layer described in the "Interior Slabs-on-Grade and Exterior Pedestrian Flatwork" section of this report (if utilized) is considered to be part of the minimum recommended depth of non-expansive material, not in addition to it.



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13. Imported non-expansive soils used in the building areas should have strength qualities equal to or better than the site soils. Proposed imported materials should be reviewed by the geotechnical engineer before being brought to the site, and on an intermittent basis during placement.
14. All materials used as fill should be cleaned of all debris and any rocks larger than 3 inches in maximum dimension. When fill material includes rocks, the rocks should be placed in a sufficient soil matrix to ensure that voids caused by nesting of the rocks will not occur and that the fill can be properly compacted.
15. If the soils become unstable, or if the recommended compaction cannot be readily achieved, drying the soil to just above optimum moisture content may be necessary. Placement of gravel layers or geotextiles may also be necessary to help stabilize unstable soils. Soils that are disturbed in any manner should be removed, moisture conditioned, and recompacted.
16. The recommended soil moisture content should be maintained throughout construction. Failure to maintain the soil moisture content can result in cracks and disturbance, which are an indication of degradation of the soil compaction. If cracks are allowed to develop, or if soils near improvements such as foundations, flatwork, pavement, curbs, etc. are otherwise disturbed, damage to those improvements may result. Soils that have been or are otherwise disturbed should be removed, moisture conditioned, and compacted.

Utility Trenches

1. Unless otherwise recommended, utility trenches adjacent to foundations should not be excavated within the zone of foundation influence, as shown in Typical Detail A in Appendix D.
2. Utilities that must pass beneath a foundation should be placed with properly compacted utility trench backfill and the foundation should be designed to span the trench.
3. A select, non-corrosive, granular, easily compacted sand should be used as bedding and shading immediately around utilities. All trench backfill above the select material within the building, flatwork, and pavement areas should consist of properly compacted non-expansive material, as defined in the "Grading" section of this report. The site soils may be used for trench backfill above the select material within landscape, or otherwise unimproved areas.



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4. In general, trench backfill should be compacted to a minimum of 90 percent of maximum dry density. The upper 12 inches of subgrade and all aggregate base for trench backfill in pavement areas should be compacted *to a minimum of 95 percent of maximum dry density*.
5. Trench backfill should be placed in level lifts, moisture conditioned, and compacted to the minimums noted above.
6. Compaction of trench backfill by jetting or flooding is not recommended except under extraordinary circumstances. However, to aid in *encasing* utility conduits, particularly corrugated drain pipes, and multiple, closely spaced conduits in a single trench, jetting or flooding may be useful. Flooding or jetting should only be attempted with extreme caution, and any jetting operation should be subject to review by the geotechnical engineer.
7. The recommendations of this section are minimums only, and may be superseded by the requirements of the architect/engineer, the recommendations of pipe manufacturers or utility companies, or the requirements of the governing jurisdiction based upon soil corrosivity or other factors.

Foundations

1. Due to the potential for liquefaction-induced settlement, the proposed hotel may be constructed on a reinforced concrete mat foundation that is supported by reinforced soil (see the "Grading" Section for soil reinforcement recommendations). Reinforcement for the mat foundation should be determined by the architect/engineer.
2. The mat foundation can consist of a uniform thickness, or consist of variable thickness with slabs and grade beams (a "waffle slab"). Mat edges should have a minimum depth of 18 inches below lowest adjacent grade.
3. The mat should be designed for maximum dead plus live areal bearing pressures of 500 psf, with isolated areas under columns not exceeding 1,000 psf. Using these criteria, maximum settlement and differential settlement under static conditions are expected to be on the order of 0.75 inch, and 0.5 inch over a horizontal distance of 25 to 30 feet, respectively. With the recommended soil reinforcement program successfully completed in combination with a mat foundation, we anticipate seismic settlement will remain



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unchanged at up to 5 inches; however, differential seismic settlement would be reduced to 2 inches over a horizontal distance of 25 to 30 feet, for total and differential settlement (static plus seismic) on the order of 5.75 and 2.5 inches, respectively.

4. A preliminary static subgrade modulus of 5 pci should be used by the structural engineer to perform the initial Structural Analysis by Finite Elements (SAFE), or similar. Once we receive the SAFE-type output from the structural engineer, we can provide equal subgrade modulus contours across the mat area so that the structural engineer can determine the type and amount of reinforcement needed.

Sitework Retaining Walls

Footings bearing in properly compacted soil as described in the "Grading" section, and having a minimum overall depth of 18 inches below lowest adjacent grade may be used to support the sitework retaining walls. Sitework retaining wall footings may be designed for maximum allowable dead plus live bearing pressures of 3,000 psf and should be reinforced as required by the architect/engineer.

Foundations - General

1. Allowable capacities may be increased by one-third when transient loads such as wind or seismicity are included. Foundations may be designed using the following 2016 CBC seismic parameters:

SEISMIC PARAMETERS

Mapped Spectral Response Acceleration for Site Class B		Site Coefficients for Site Class D		Adjusted MCE Spectral Response Accelerations for Site Class D		Design Spectral Response Accelerations for Site Class D	
Seismic Parameter	Value (g)	Site Coefficient	Value	Seismic Parameter	Value (g)	Seismic Parameter	Value (g)
S_s	1.152	F_a	1.039	S_{MS}	1.197	S_{DS}	0.798
S_1	0.425	F_v	1.575	S_{M1}	0.670	S_{D1}	0.446
Peak Mean Ground Acceleration (PGA_m): 0.456g							
Seismic Design Category = D							

2. In calculating resistance to lateral loads, passive equivalent fluid pressures of 300 pcf may be used for foundations bearing on compacted fill. A coefficient of friction of 0.35 may also be utilized in the design. The lateral capacities are based on the assumption that the soil adjacent to the foundations is properly compacted. Passive and friction resistance components may be combined in the analysis without reduction to either value.



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3. Foundation excavations should be observed by the geotechnical engineer during excavation and prior to placement of formwork, reinforcing steel or concrete. Soil in foundation excavations should be lightly moistened and no desiccation cracks should be present prior to concrete placement.
4. Due to the current use of impermeable floor coverings, water-soluble flooring adhesives, and the speed at which buildings are now constructed, moisture vapor transmission through interior slabs and mats is a much more common problem than in past years. Where moisture vapor transmitted from the underlying soil would be undesirable, the mat should be protected from subsurface moisture vapor. A number of options for vapor protection are discussed below; however, the means of vapor protection, including the type and thickness of the vapor barrier, if specified, are left to the discretion of the architect/engineer.
5. Several recent studies including those of ACI Committee 302 (ACI 2004) have concluded that excess water above the vapor retarder increases the potential for moisture damage to floor coverings and could increase the potential for mold growth or other microbial contamination. The studies also concluded that it is preferable to eliminate the typical sand layer beneath the slab or mat and place the slab or mat concrete in direct contact with a "Class A" vapor retarder, particularly during wet weather construction. However, placing the concrete directly on the vapor retarder requires special attention to using the proper vapor retarder (see discussion below), a very low water-cement ratio in the concrete mix, and special finishing and curing techniques.
6. Probably the next most effective option would be the use of vapor-inhibiting admixtures in the mat concrete mix and/or application of a sealer to the surface of the mat. This would also require special concrete mixes and placement procedures, depending upon the recommendations of the admixture or sealer manufacturer.
7. Another option that may be a reasonable compromise between effectiveness and cost considerations is the use of a vapor retarder protected by a sand layer beneath the mat. If a "Class A" vapor retarder (see discussion below) is specified, the barrier can be placed directly on finish pad grade. The barrier should be covered with a minimum 2 inches of *clean* sand. If a less durable vapor retarder is specified (Class B or C), a minimum of 4 inches of clean sand should be provided on top of pad grade, and the retarder should be placed in the center of the clean sand layer. Clean sand is defined as well or poorly graded sand (ASTM D 2487-11) of which less than 3 percent passes the No. 200 sieve.



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8. Where specified, vapor retarders should conform to ASTM Standard E 1745-17. This standard specifies properties for three performance classes; Class A, B and C. The appropriate class should be selected based on the sensitivity of floor coverings to moisture intrusion and the potential for damage to the vapor retarder during placement of mat reinforcement and concrete.
9. Regardless of the vapor retarder selected, proper installation of the retarder (ASTM E 1643-11/17) is critical for optimum performance. All seams must be properly lapped, and all seams and utility penetrations properly sealed in accordance with the vapor retarder manufacturer's recommendations.
10. Positive drainage away from the building should be maintained; see the "Drainage and Maintenance" section for additional discussion of this issue. If water is allowed to pond immediately adjacent to a building, it may seep into the ground and migrate laterally through cracks or utility penetrations in the foundation, ultimately gaining access above the vapor retarder. The presence of water above the retarder could potentially result in vapor transmission through the mat for months or years. Any sand placed between the vapor retarder and the mat should be moistened only as necessary to promote concrete curing. Saturation of the sand should be avoided, as the excess moisture could also result in vapor transmission through the mat for months or years.
11. For foundations within 10 horizontal feet of LID areas (such as detention basins and bio-swales), moisture protection should consist of deepened curbs, cut off walls or impermeable membranes that extend to at least the bottoms of detention basins or at least 2 feet below any foundations (for basins). Cut off walls or curbs should be at least 6 inches wide; impermeable membranes should have a minimum thickness of 10 mils and should line the entire sides of the basins nearest the foundation and should extend within the sloped areas of the basins to at least 10 horizontal feet from the foundations.
12. To reduce shrinkage cracks in concrete, the concrete aggregates should be of appropriate size and proportion, the water/cement ratio should be low, the concrete should be properly placed and finished, contraction joints should be installed, and the concrete should be properly cured. This is particularly applicable to slabs that will be cast directly upon a vapor retarder and those that will be protected from transmission of vapor by use of admixtures or surface sealers. Concrete materials, placement, and curing specifications should be at the direction of the architect/engineer; ACI 302.1R-04 (ACI 2004) is suggested as a resource for the architect/engineer in preparing such specifications.



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Exterior Pedestrian Flatwork

1. Exterior pedestrian flatwork should have a minimum thickness of 4 inches and should consist of No. 3 rebar placed at 24 inches on-center each way. If the thickness of non-expansive soil below the flatwork is less than 12 inches, the minimum reinforcement should consist of No. 4 rebar at 18 inches on-center each way.
2. In conventional construction, it is common to use 4 to 6 inches of sand below exterior pedestrian flatwork. However, due to the expansion potential of the site soils, there will be a significant risk of movement and damage to the flatwork if conventional measures are used. Heaving and cracking will likely occur. This movement could be reduced by the placement of additional non-expansive material beneath the flatwork. If it is desired to mitigate the majority of the expansive soil conditions, then at least 12 inches of imported non-expansive material should be provided below the flatwork where the expansive site soils are exposed at finish grade. If it is acceptable for the flatwork to experience movement due to expansive soils, then the thickness of the non-expansive soil can be reduced. Under all flatwork, however, the thicker the non-expansive layer, the better the expansive soil protection.
3. Another measure that can be taken to reduce the risk of movement of flatwork due to expansive soils is to provide thickened edges or grade beams around the perimeters of the flatwork, in addition to providing at least 12 inches of imported non-expansive material below the slabs. If it is desired to mitigate the majority of the expansive soil conditions in this manner, then the thickened edges or grade beams could be up to 15 inches deep. If it is acceptable for the flatwork to experience movement, then the thickened edges or grade beams can be reduced. At a minimum, any thickened edge or grade beam should be reinforced by two No. 4 rebar, one at the top and one at the bottom.
4. It is recognized that the measures discussed above for protecting exterior pedestrian flatwork from expansive soils are expensive, possibly more expensive than simply replacing flatwork that has heaved and/or cracked. Consequently, the measures noted previously for protecting exterior flatwork are only suggestions for consideration by the owner and/or architect/engineer. The degree to which exterior flatwork is protected from expansive soil damage is left to the discretion of the owner and/or architect/engineer.



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5. Flatwork should be constructed with frequent joints to allow articulation as the flatwork moves in response to seasonal soil temperature and moisture variations. The expansive soil underlying any non-expansive material placed below flatwork should be moisture conditioned, and no desiccation cracks should be present, prior to casting the flatwork.

Exterior Pedestrian Flatwork - General

1. To reduce shrinkage cracks in concrete, the concrete aggregates should be of appropriate size and proportion, the water/cement ratio should be low, the concrete should be properly placed and finished, contraction joints should be installed, and the concrete should be properly cured. Concrete materials, placement, and curing specifications should be at the direction of the architect/engineer; ACI 302.1R-04 is suggested as a resource for the architect/engineer in preparing such specifications.
2. For flatwork within 10 horizontal feet of LID areas (such as detention basins and bio-swales), moisture protection should consist of deepened curbs, cut off walls or impermeable membranes that extend to at least the bottoms of detention basins or at least 1 foot below subgrade elevation. Cut off walls or curbs should be at least 6 inches wide; impermeable membranes should have a minimum thickness of 10 mils and should line the entire sides of the basins nearest the flatwork and should extend within the sloped areas of the basins to at least 10 horizontal feet from any flatwork.

Retaining Walls

1. All retaining walls should be founded in compacted engineered fill at a minimum overall depth of 18 inches below lowest adjacent grade, as described in the "Foundations" section.
2. Retaining wall foundation excavations should be observed by the geotechnical engineer prior to placing reinforcing steel.
3. The following parameters may be used in the design of retaining walls:

Active equivalent fluid pressure (native soil)	45 pcf
Active equivalent fluid pressure (imported sand or gravel backfill)	35 pcf
At-rest equivalent fluid pressure (native soil)	60 pcf
At-rest equivalent fluid pressure (imported sand or gravel backfill)	50 pcf



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Passive equivalent fluid pressure (compacted fill).....300 pcf
Maximum toe pressure (compacted fill)3,000 psf
Coefficient of sliding friction.....0.35

4. No surcharges are taken into consideration in the values presented above. The maximum toe pressure is an allowable value; no factors of safety, load factors or other factors have been applied to the remaining values.
5. If retaining walls are designed using the values for sand or gravel backfill stated in paragraph 3 above, only imported sand or gravel backfill should be used exclusively above a 1:1 plane extended upward from the back of the wall footing to daylight, except as noted in the following paragraph.
6. The final foot of fill behind retaining walls should be backfilled with appropriate native soil, except in areas where slabs-on-grade, flatwork or pavement will abut the top of the wall. In those cases, the backfill should extend to the non-expansive material or aggregate base underlying the slab, flatwork or pavement, as appropriate. If gravel is utilized as retaining wall backfill, a permeable synthetic filter fabric conforming to the Caltrans Standard Specifications, Section 96-1.02B – Class C (Caltrans 2015), should be placed between the gravel and the soil to reduce the infiltration of soil into the gravel.
7. The active and at-rest pressures presented above are applicable to a horizontal retained surface behind the wall. Walls having a retained surface that slopes upward from the wall should be designed for an additional equivalent fluid pressure of 1 pcf for the active case and 1.5 pcf for the at-rest case, for every degree of slope inclination.
8. Section 1803.5.12.1 of the 2016 CBC requires that dynamic seismic lateral earth pressures be provided by the geotechnical engineer for walls retaining more than 6 feet of backfill. As the planned retaining wall heights for this project will not exceed 3 feet, this is not considered to be necessary. If retaining walls are planned to be taller than 6 feet, the geotechnical engineer should be notified to provide revised recommendations.
9. Long-term settlement of properly compacted on-site soils or imported sand/gravel retaining wall backfill should be assumed to be about 0.3 to 0.5 and 0.25 to 0.3 percent of the depth of the backfill, respectively. Any improvements that are constructed near the tops of retaining walls should be designed to accommodate the long-term settlement.



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Additionally, the geotechnical engineer should be notified if improvements are to be constructed adjacent to retaining walls so that appropriate recommendations can be applied for additional lateral earth pressures resulting from the improvements.

10. All retaining walls should be drained with perforated pipe encased in a free-draining gravel blanket. The pipe should be placed atop the wall foundation with perforations downward, and should discharge in a non-erosive manner away from foundations and other improvements. In addition, the pipe should be at least 4 inches below the bottom of any adjacent slabs. If such a placement cannot be achieved, a subslab gravel drain should be provided. The geotechnical engineer should be contacted for additional recommendations for the subslab drain layer, as needed. The gravel blanket should have a width of approximately 1 foot and should extend upward to approximately 1 foot from the top of the wall backfill. Where sand will be utilized for backfill, a permeable synthetic filter fabric should be placed between the gravel and sand, as stated above. The final foot behind retaining walls should be backfilled with appropriate native soil as described above. Manufactured synthetic drains, such as Miradrain or Enkadrain are acceptable alternatives to the use of gravel, provided that they are installed in accordance with the recommendations of the manufacturer.
11. Where weep hole drainage can be properly discharged, the perforated pipe may be omitted in lieu of weep holes on maximum 4-foot centers. A filter fabric as described above should be placed between the weep holes and the drain gravel.
12. Walls facing areas where moisture transmission through the wall would be undesirable should be *thoroughly* waterproofed in accordance with the specifications of the architect/engineer.
13. The architect/engineer should bear in mind that retaining walls by their nature are flexible structures, and that surface treatments on walls often crack. Where walls are to be plastered or otherwise have a finish applied, the flexibility should be considered in determining the suitability of the surfacing material, spacing of horizontal and vertical control joints, etc. The flexibility should also be considered where a retaining wall will abut or be connected to a rigid structure, and where the geometry of the wall is such that its flexibility will vary along its length.



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Pavement Sections

AC Pavement

An R-value, or resistance to deformation under repeated loading, test was performed on a sample of the native surficial soils at the site; the test resulted in a value of 7. The following AC pavement sections are based upon the tested R-value and assumed Traffic Indices (TIs) of 4.0 through 6.0. Determination of the appropriate TI for specific areas of the project is left to others. The AC sections were calculated in accordance with the method presented in the "Highway Design Manual" (Caltrans 2017). The calculated AC and Class 2 aggregate base (AB) thicknesses are for compacted material. Normal Caltrans construction tolerances should apply.

<u>R-value</u>	<u>Traffic Index</u>	<u>AC (in)</u>	<u>Class 2 AB (in)</u>
7	4.0	2.25	8.0
7	4.5	2.50	9.0
7	5.0	2.75	10.0
7	5.5	3.00	11.5
7	6.0	3.25	12.5

PCC Pavement

1. If unreinforced Portland cement concrete pavement is planned, the following section is recommended:
 - 8 inches plain PCC (4,000 psi minimum)
 - Full depth construction joints at 10 to 12-foot centers each way
 - #4 smooth joint dowels at 12-inch centers
 - 12 inches Class 2 aggregate base, compacted to a minimum of 95 percent of maximum dry density
2. If reinforced concrete pavement is planned, the following section may be used:
 - 6 inches PCC (4,000 psi minimum)
 - No. 4 rebar at 18-inch centers each way
 - Full depth construction joints at 10 to 12-foot centers each way
 - No. 4 smooth joint dowels at 18-inch centers
 - 12 inches Class 2 aggregate base, compacted to a minimum of 95 percent of maximum dry density



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3. Alternately, the pavement may be designed by the architect/engineer for the appropriate loads. If a minimum of 12 inches of aggregate base compacted to a minimum of 95 percent of maximum dry density is provided, the design may be based on a subgrade modulus of 300 pci (psi/in). Specification of concrete properties and reinforcing is left to the architect/engineer.

Pavement Sections - General

1. AC and PCC pavement should be constrained by curbs, gutters, flatwork, walls, etc.; free edges to the pavement should be avoided.
2. AC and PCC pavement should be set back a minimum of 5 feet from any descending slope. Alternately, deepened curbs may be used to constrain the pavement. Where curbs will be deepened in lieu of the recommended setback, the individual situation should be reviewed and specific recommendations prepared by the geotechnical engineer.
3. Subgrade and aggregate base should be firm and unyielding when proof-rolled with heavy, rubber-tired grading equipment prior to continuing construction.
4. Finished pavement surfaces should be sloped to freely drain toward appropriate drainage facilities. Water should not be allowed to stand or pond on or adjacent to pavement, as it could cause premature pavement deterioration or improvement damage.
5. To reduce migration of surface drainage into the subgrade, maintenance of pavement areas is critical. Any cracks that develop in the pavement should be promptly sealed.
6. For pavements within 10 horizontal feet of LID areas (such as detention basins and bio-swales), moisture protection should consist of deepened curbs, cut off walls or impermeable membranes that extend to at least the bottoms of detention basins or at least 1 foot below subgrade elevation. Cut off walls or curbs should be at least 6 inches wide; impermeable membranes should have a minimum thickness of 10 mils and should line the entire sides of the basins nearest the pavements and should extend within the sloped areas of the basins to at least 10 horizontal feet from the pavements.
7. The local jurisdiction may have additional requirements for pavement or pavers that could take precedence over the above recommendations.



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Drainage and Maintenance

1. Unpaved ground surfaces should be graded during construction, and per Section 1804.4 of the 2016 CBC, should be finish graded to direct surface runoff away from foundations, slopes, and other improvements at a minimum 5 percent grade for a minimum distance of 10 feet. If this is not practicable due to the terrain, proximity of property lines, etc., swales with improved surfaces, area drains, or other drainage features should be provided to divert drainage away from these areas.
2. Exterior pedestrian flatwork and other paved surfaces should be sloped to freely drain toward appropriate drainage facilities. Water should not be allowed to stand or pond on or adjacent to foundations or other improvements as it could infiltrate into the bearing soils, causing settlement or premature deterioration.
3. Any raised planter boxes constructed adjacent to the proposed structure should be installed with drains, with sides and bottoms sealed to reduce the potential for planter drainage gaining access to subslab areas. Drains should also be provided in all areas adjacent to foundations that would not otherwise drain freely.
4. All eaves of the building should be provided with roof gutters. Runoff from roof gutters, downspouts, area drains, etc., should discharge to an appropriate outlet in a non-erosive manner away from foundations and other improvements in accordance with the requirements of the governing agencies. Erosion protection should be placed at drainage outlets unless discharge is to an improved surface.
5. Stabilization of surface soils, particularly those disturbed during construction, by vegetation or other means *during and following construction* should be implemented to protect the site from erosion damage. Care should be taken to establish and maintain vegetation.
6. Maintenance of drainage and other improvements is critical to the long-term stability of slopes and the integrity of the roadway improvements. Site improvements, particularly drainage improvements, should be inspected and maintained on a regular basis. All exterior drains should be maintained to be free-flowing.



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7. Vegetation, erosion matting or other forms of erosion protection should be used in all areas disturbed by construction, as required by the architect/engineer. Vegetation, erosion matting, etc., should be maintained or augmented as needed to ensure a high level of erosion protection. Irrigation systems should be maintained so that the soils are not over-watered or allowed to desiccate.
8. To reduce the potential for undermining of foundations, flatwork, and other improvements, all rodent activity should be aggressively controlled and kept to an absolute minimum.

Observation and Testing

1. It must be recognized that the recommendations contained in this report are based on a limited number of borings drilled at the site and rely on continuity of the subsurface conditions encountered.
2. At a minimum, the geotechnical engineer should be retained to provide:
 - Review of grading and foundation plans as they near completion
 - Professional observation during grading
 - Oversight of compaction testing during grading and backfill
 - Oversight of soil special inspection during grading and foundation construction
3. Special inspection of grading should be provided as per Section 1705.6 and Table 1705.6 of the 2016 CBC; the special inspector should be under the direction of the geotechnical engineer. Special inspection of the following should be provided:
 - Stripping and clearing of vegetation and debris
 - Verification of over-excavation to the correct depth, as appropriate
 - Placement of geotextile and geogrid reinforcement
 - Utility trench backfill
 - Fill quality, placement, moisture conditioning, and compaction, including nonexpansive material
 - Foundation excavations
 - Retaining wall drains and backfill
 - Pavement subgrade and AB



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4. A program of quality control should be developed prior to the beginning of the project. The contractor or project manager should determine any additional inspection items required by the architect/engineer or the governing jurisdiction.
5. Locations and frequency of compaction tests should be as per the recommendation of the geotechnical engineer at the time of construction. The recommended test location and frequency may be subject to modification by the geotechnical engineer, based upon soil and moisture conditions encountered, size and type of equipment used by the contractor, the general trend of the results of compaction tests, or other factors.
6. A preconstruction conference among the owner, the geotechnical engineer, the soil special inspector, the architect/engineer, and contractors is recommended to discuss planned construction procedures and quality control requirements.
7. The geotechnical engineer should be notified at least 48 hours prior to beginning construction operations

8.0 CLOSURE

Our intent was to perform the investigation in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the locality of this project and under similar conditions. No representation, warranty, or guarantee is either expressed or implied. This report is intended for the exclusive use by the client as discussed in the "Scope of Services" section. Application beyond the stated intent is strictly at the user's risk.

This report is valid for conditions as they exist at this time for the type of project described herein. The conclusions and recommendations contained in this report could be rendered invalid, either in whole or in part, due to changes in building codes, regulations, standards of geotechnical or construction practice, changes in physical conditions, or the broadening of knowledge. If Earth Systems Pacific is not retained to provide construction observation and testing services, it shall not be responsible for the interpretation of the information by others or any consequences arising there from.

If changes with respect to project type or location become necessary, if items not addressed in this report are incorporated into plans, or if any of the assumptions used in the preparation of this report are not correct, this firm shall be notified for modifications to this report. Any items not specifically addressed in this report should comply with the CBC and the requirements of the governing jurisdiction.



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The preliminary recommendations of this geotechnical report are based upon the geotechnical conditions encountered at the site and may be augmented by additional requirements of the architect/engineer, or by additional recommendations provided by the geotechnical engineer based on conditions exposed at the time of construction.

This document, the data, conclusions, and recommendations contained herein are the property of Earth Systems Pacific. This report shall be used in its entirety, with no individual sections reproduced or used out of context. Copies may be made only by Earth Systems Pacific, the client, and the client's authorized agents for use exclusively on the subject project. Any other use is subject to federal copyright laws and the written approval of Earth Systems Pacific.

Thank you for this opportunity to have been of service. If you have any questions, please feel free to contact this office at your convenience.

End of Text.



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TECHNICAL REFERENCE LIST

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APPENDIX A

Figure 1 – Site Vicinity Map
Figure 2 - Exploration Location Map
Boring Log Legend
Boring Logs



Google Earth

NOT TO SCALE



Earth Systems Pacific

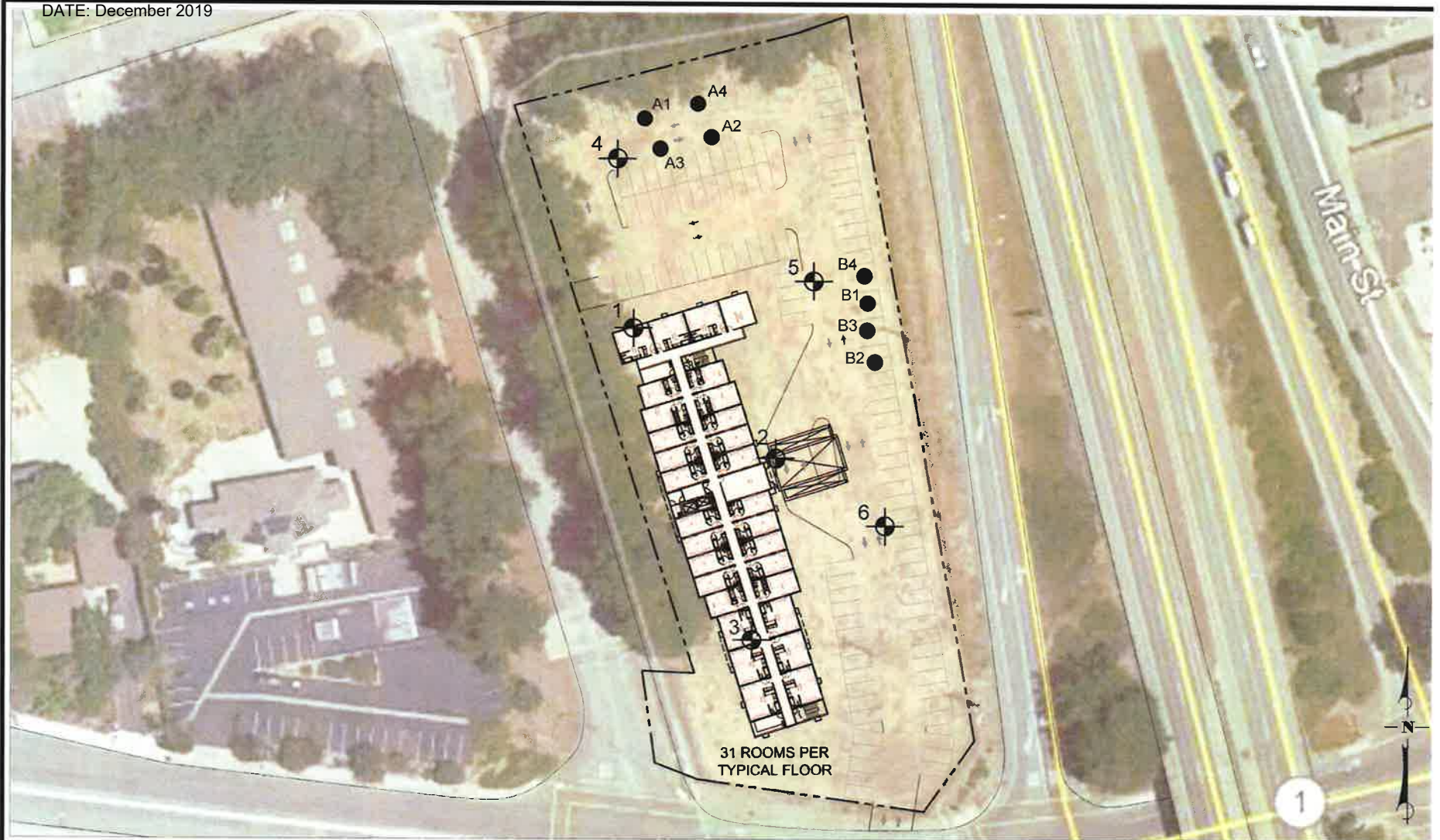
4378 Old Santa Fe Road, San Luis Obispo, CA 93401
www.earthsystems.com
(805) 544-3276 • Fax (805) 544-1786

SITE VICINITY MAP
233 ATASCADERO HOTEL
233 Atascadero Road
Morro Bay, California

Date
January 26, 2018

Project No.
SL-18230-SA

Figure 1
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NOT TO SCALE

LEGEND

- Boring Location (Approx.)
- Percolation Test Location (Approx.)

BASE MAP PROVIDED BY: AXIS GFA Architects



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EXPLORATION LOCATION MAP

233 ATASCADERO HOTEL
233 Atascadero Road
Morro Bay, California

Date
January 26, 2018

Project No.
SL-18230-SA

Figure 2
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DATE: December 2019



Earth Systems Pacific

BORING LOG LEGEND

SAMPLE / SUBSURFACE WATER SYMBOLS	GRAPH. SYMBOL
CALIFORNIA MODIFIED	
STANDARD PENETRATION TEST (SPT)	
SHELBY TUBE	
BULK	
SUBSURFACE WATER DURING DRILLING	
SUBSURFACE WATER AFTER DRILLING	

SOIL CLASSIFICATION SYSTEM			
MAJOR DIVISIONS	GROUP SYMBOL	TYPICAL DESCRIPTIONS	GRAPH. SYMBOL
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS TESTED OR JUDGED TO BE LARGER THAN #200 SIEVE SIZE	GW	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	
	GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	
	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES, NON-PLASTIC FINES	
	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES, PLASTIC FINES	
	SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
	SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
	SM	SILTY SANDS, SAND-SILT MIXTURES, NON-PLASTIC FINES	
	SC	CLAYEY SANDS, SAND-CLAY MIXTURES, PLASTIC FINES	
	ML	INORGANIC SILTS AND VERY FINE SANDS, SILTY, CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY	
	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
FINE GRAINED SOILS HALF OR MORE OF MATERIAL IS TESTED OR JUDGED TO BE SMALLER THAN #200 SIEVE SIZE	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY, SILTY SOILS, ELASTIC SILTS	
	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	
	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS	
	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	

OBSERVED MOISTURE CONDITION

DRY	SLIGHTLY MOIST	MOIST	VERY MOIST	WET
LITTLE/NO MOISTURE	JUDGED BELOW OPTIMUM	JUDGED ABOUT OPTIMUM	JUDGED OVER OPTIMUM	SATURATED

TYPICAL CONSISTENCY

COARSE GRAINED SOILS			FINE GRAINED SOILS		
BLOWS/FOOT		DESCRIPTIVE TERM	BLOWS/FOOT		DESCRIPTIVE TERM
SPT	CA SAMPLER		SPT	CA SAMPLER	
0-10	0-16	LOOSE	0-2	0-3	VERY SOFT
11-30	17-50	MEDIUM DENSE	3-4	4-7	SOFT
31-50	51-83	DENSE	5-8	8-13	MEDIUM STIFF
OVER 50	OVER 83	VERY DENSE	9-15	14-25	STIFF
			16-30	26-50	VERY STIFF
			OVER 30	OVER 50	HARD

GRAIN SIZES

U.S. STANDARD SERIES SIEVE				CLEAR SQUARE SIEVE OPENING		
# 200	# 40	# 10	# 4	3/4"	3"	12"
SILT & CLAY	SAND			GRAVEL		COBBLES
	FINE	MEDIUM	COARSE	FINE	COARSE	
						BOULDERS

TYPICAL ROCK HARDNESS

MAJOR DIVISIONS	TYPICAL DESCRIPTIONS
EXTREMELY HARD	CORE, FRAGMENT, OR EXPOSURE CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CAN ONLY BE CHIPPED WITH REPEATED HEAVY HAMMER BLOWS
VERY HARD	CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CORE OR FRAGMENT BREAKS WITH REPEATED HEAVY HAMMER BLOWS
HARD	CAN BE SCRATCHED WITH KNIFE OR SHARP PICK WITH DIFFICULTY (HEAVY PRESSURE); HEAVY HAMMER BLOW REQUIRED TO BREAK SPECIMEN
MODERATELY HARD	CAN BE GROOVED 1/16 INCH DEEP BY KNIFE OR SHARP PICK WITH MODERATE OR HEAVY PRESSURE; CORE OR FRAGMENT BREAKS WITH LIGHT HAMMER BLOW OR HEAVY MANUAL PRESSURE
SOFT	CAN BE GROOVED OR GOUGED EASILY BY KNIFE OR SHARP PICK WITH LIGHT PRESSURE, CAN BE SCRATCHED WITH FINGERNAIL; BREAKS WITH LIGHT TO MODERATE MANUAL PRESSURE
VERY SOFT	CAN BE READILY INDENTED, GROOVED OR GOUGED WITH FINGERNAIL, OR CARVED WITH KNIFE; BREAKS WITH LIGHT MANUAL PRESSURE

TYPICAL ROCK WEATHERING











MAJOR DIVISIONS	TYPICAL DESCRIPTIONS
FRESH	NO DISCOLORATION, NOT OXIDIZED
SLIGHTLY WEATHERED	DISCOLORATION OR OXIDATION IS LIMITED TO SURFACE OF, OR SHORT DISTANCE FROM; SOME FRACTURES PRESENT; FELDSPAR CRYSTALS ARE DULL
MODERATELY WEATHERED	DISCOLORATION OR OXIDATION EXTENDS FROM FRACTURES, USUALLY THROUGHOUT; Fe-Mg MINERALS ARE "RUSTY"; FELDSPAR CRYSTALS ARE "CLOUDY"
INTENSELY WEATHERED	DISCOLORATION OR OXIDATION THROUGHOUT; FELDSPAR AND Fe-Mg MINERALS ARE ALTERED TO CLAY TO SOME EXTENT OR CHEMICAL ALTERATION PRODUCES IN SITU DISAGGREGATION
DECOMPOSED	DISCOLORATION OR OXIDATION THROUGHOUT, BUT RESISTANT MINERALS SUCH AS QUARTZ MAY BE UNALTERED; FELDSPAR AND Fe-Mg MINERALS ARE COMPLETELY ALTERED TO CLAY



Earth Systems Pacific

LOGGED BY: M. Navarro
DRILL RIG: Mobile Drill, Model B-53 with Automatic Hammer
AUGER TYPE: 6" Hollow Stem Auger

Boring No. 1
PAGE 1 OF 1
JOB NO.: SL-18230-SA
DATE: 12/11/17

DEPTH (feet)	USCS CLASS	SYMBOL	233 ATASCADERO HOTEL 233 Atascadero Road Morro Bay, California	SAMPLE DATA					
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
SOIL DESCRIPTION									
0	CL		SANDY LEAN CLAY: dark gray brown, medium stiff, very moist (Alluvium)	1.0 - 2.5		90.3	26.6	2 6 6	
1				0.0 - 5.0					
2				3.0 - 4.5					
3									
4			moist			104.0	15.4	2 4 7	
5	CL		LEAN CLAY WITH SAND: dark orange, medium stiff, moist	5.0 - 6.5		116.3	11.2	3 5 9	
6									
7	CL		LEAN CLAY WITH GRAVEL: dark brown, medium stiff, moist	10.0 - 11.5				0 2 3	
8									
9									
10									
11	SP		POORLY GRADED SAND WITH CLAY: brown, loose, moist	15.0 - 16.5		No Return		0 2 4	
12									
13									
14									
15			wet						
16			increasing clay content	20.0 - 21.5				0 0 2	
17									
18									
19									
20	End of Boring @ 21.5'								
21	Subsurface water encountered @ 13.5'								
22									
23									
24									
25									
26									

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: M. Navarro
DRILL RIG: Mobile Drill, Model B-53 with Automatic Hammer
AUGER TYPE: 6" Hollow Stem Auger

Boring No. 2
PAGE 1 OF 2
JOB NO.: SL-18230-SA
DATE: 12/11/17

DEPTH (feet)	USCS CLASS	SYMBOL	233 ATASCADERO HOTEL 233 Atascadero Road Morro Bay, California	SAMPLE DATA				
			SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	CL		SANDY LEAN CLAY: dark brown, stiff, moist (Alluvium)					
1				1.0 - 2.5	■	115.4	11.8	3 7 8
2				0.0 - 5.0	○			2 5 5
3			medium stiff	3.0 - 4.5	■	106.8	19.7	3 5 6
4				5.0 - 6.5	■	107.1	12.4	
5								
6								
7								
8	CL		LEAN CLAY WITH GRAVEL: dark gray brown, medium stiff, moist					
9				10.0 - 11.5	■	109.8	15.6	2 4 4
10								
11								
12								
13	SP		POORLY GRADED SAND WITH SILT: red brown, loose, very moist					
14				15.0 - 16.5	●		18.0	0 2 5
15								
16			wet					
17								
18	CL		SANDY LEAN CLAY: red brown, stiff, wet					
19				20.0 - 21.5	●		18.3	3 5 5
20								
21								
22								
23	GP		POORLY GRADED GRAVEL WITH CLAY AND SAND: dark gray brown, medium dense					
24				25.0 - 26.5	●			0 5 8
25								
26								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: M. Navarro
DRILL RIG: Mobile Drill B-53 with Automatic Hammer
AUGER TYPE: 6" Hollow Stem Auger

Boring No. 2
PAGE 2 OF 2
JOB NO.: SL-18230-SA
DATE: 12/11/17

DEPTH (feet)	USCS CLASS	SYMBOL	233 ATASCADERO HOTEL 233 Atascadero Road Morro Bay, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
27	GP		POORLY GRADED GRAVEL WITH CLAY AND SAND: as above					
28	CL		SANDY LEAN CLAY: yellow brown, stiff, wet					
29								
30				30.0 - 31.5	●			4 7 8
31								
32								
33	SC		CLAYEY SAND: red brown, medium dense, wet, trace gravel					
34								
35				35.0 - 36.5	●			5 12 16
36								
37								
38	GP		POORLY GRADED GRAVEL WITH CLAY: red brown, medium dense, wet					
39								
40				40.0 - 41.5	●			7 10 14
41								
42								
43								
44			METAVOLCANIC ROCK: orange brown, hard, moist, weathered (Franciscan Melange)					
45				45.0 - 45.5	●			35 50/1.0"
46								
47			End of Boring @ 47.0' Subsurface water encountered @ 16.0'					
48								
49								
50								
51								
52								
53								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 3

PAGE 1 OF 1

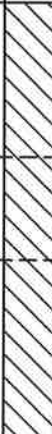



JOB NO.: SL-18230-SA

DATE: 12/11/17

LOGGED BY: M. Navarro

DRILL RIG: Mobile Drill, Model B-53 with Automatic Hammer

AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	233 ATASCADERO HOTEL 233 Atascadero Road Morro Bay, California	SAMPLE DATA				
			SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	CL		SANDY LEAN CLAY: gray brown, medium stiff, moist (Alluvium)	1.0 - 2.5	■	87.1	16.6	3
1							5	
2							8	
3							4	
4							6	
5			dark brown, trace gravel	3.0 - 4.5	■	89.4	20.8	6
6								
7								
8			dark orange brown	5.0 - 6.5	■	107.3	13.2	2
9								4
10	CL		LEAN CLAY WITH GRAVEL: yellow brown, very soft, moist	10.0 - 11.5	■	92.7	29.9	1
11							2	
12							1	
13								
14								
15	SC		CLAYEY SAND: orange brown, loose, wet	15.0 - 16.5	●			0
16							1	
17								1
18	SP		POORLY GRADED SAND WITH SILT: dark orange brown, medium dense, wet					
19								
20								
21				20.0 - 21.5	●			3
22								8
23								11
24								
25								
26								
			End of Boring @ 21.5'					
			Subsurface water encountered @ 15.0'					

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: M. Navarro
DRILL RIG: Mobile Drill, Model B-53 with Automatic Hammer
AUGER TYPE: 6" Hollow Stem Auger

Boring No. 4
PAGE 1 OF 1
JOB NO.: SL-18230-SA
DATE: 12/11/17

DEPTH (feet)	USCS CLASS	SYMBOL	233 ATASCADERO HOTEL 233 Atascadero Road Morro Bay, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SC		CLAYEY SAND: dark brown, loose, moist (Alluvium)					
1				1.0 - 2.5	■	89.0	22.8	5
2				0.0 - 5.0	○			4
3								5
4								
5								
6			End of Boring @ 5.0'					
7			No subsurface water encountered.					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 5

PAGE 1 OF 1

JOB NO.: SL-18230-SA

DATE: 12/11/17

LOGGED BY: M. Navarro

DRILL RIG: Mobile Drill, Model B-53 with Automatic Hammer

AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	233 ATASCADERO HOTEL 233 Atascadero Road Morro Bay, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	CL		SANDY LEAN CLAY: dark brown, medium stiff, moist, some gravel (Alluvium)					
1				1.0 - 2.5	■	91.6	23.1	5
2				0.0 - 5.0	○			5
3								
4								
5			End of Boring @ 5.0' No subsurface water encountered.					
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: M. Navarro
DRILL RIG: Mobile Drill, Model B-53 with Automatic Hammer
AUGER TYPE: 6" Hollow Stem Auger

Boring No. 6
PAGE 1 OF 1
JOB NO.: SL-18230-SA
DATE: 12/11/17

DEPTH (feet)	USCS CLASS	SYMBOL	233 ATASCADERO HOTEL 233 Atascadero Road Morro Bay, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	CL		SOIL DESCRIPTION SANDY LEAN CLAY: dark gray brown/orange mottled, stiff, moist (Alluvium)	1.0 - 2.5	■	79.9	18.5	5
1				0.0 - 5.0	○			6 9
2			End of Boring @ 5.0' No subsurface water encountered.					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

APPENDIX B

Laboratory Test Results



233 Atascadero Hotel
Morro Bay, CA

SL-18230-SA

BULK DENSITY TEST RESULTS

ASTM D 2937-17 (modified for ring liners)

January 15, 2018

BORING NO.	DEPTH feet	MOISTURE CONTENT, %	WET DENSITY, pcf	DRY DENSITY, pcf
1	2.0 - 2.5	26.6	114.2	90.3
1	4.0 - 4.5	15.4	120.0	104.0
1	6.0 - 6.5	11.2	129.2	116.3
2	2.0 - 2.5	11.8	129.0	115.4
2	4.0 - 4.5	19.7	127.8	106.8
2	6.0 - 6.5	12.4	120.4	107.1
2	11.0 - 11.5	15.6	126.9	109.8
2	16.0 - 16.5	18.0	--	--
2	21.0 - 21.5	18.3	--	--
3	2.0 - 2.5	16.6	101.5	87.1
3	4.0 - 4.5	20.8	108.0	89.4
3	6.0 - 6.5	13.2	121.5	107.3
3	11.0 - 11.5	29.9	120.3	92.7
4	2.0 - 2.5	22.8	109.3	89.0
5	2.0 - 2.5	23.1	112.8	91.6
6	2.0 - 2.5	18.5	94.7	79.9

EXPANSION INDEX TEST RESULTS

ASTM D 4829-11

BORING NO.	DEPTH feet	EXPANSION INDEX
2	0.0 - 5.0	40



233 Atascadero Hotel
Morro Bay, CA

SL-18230-SA

CONSOLIDATION TEST

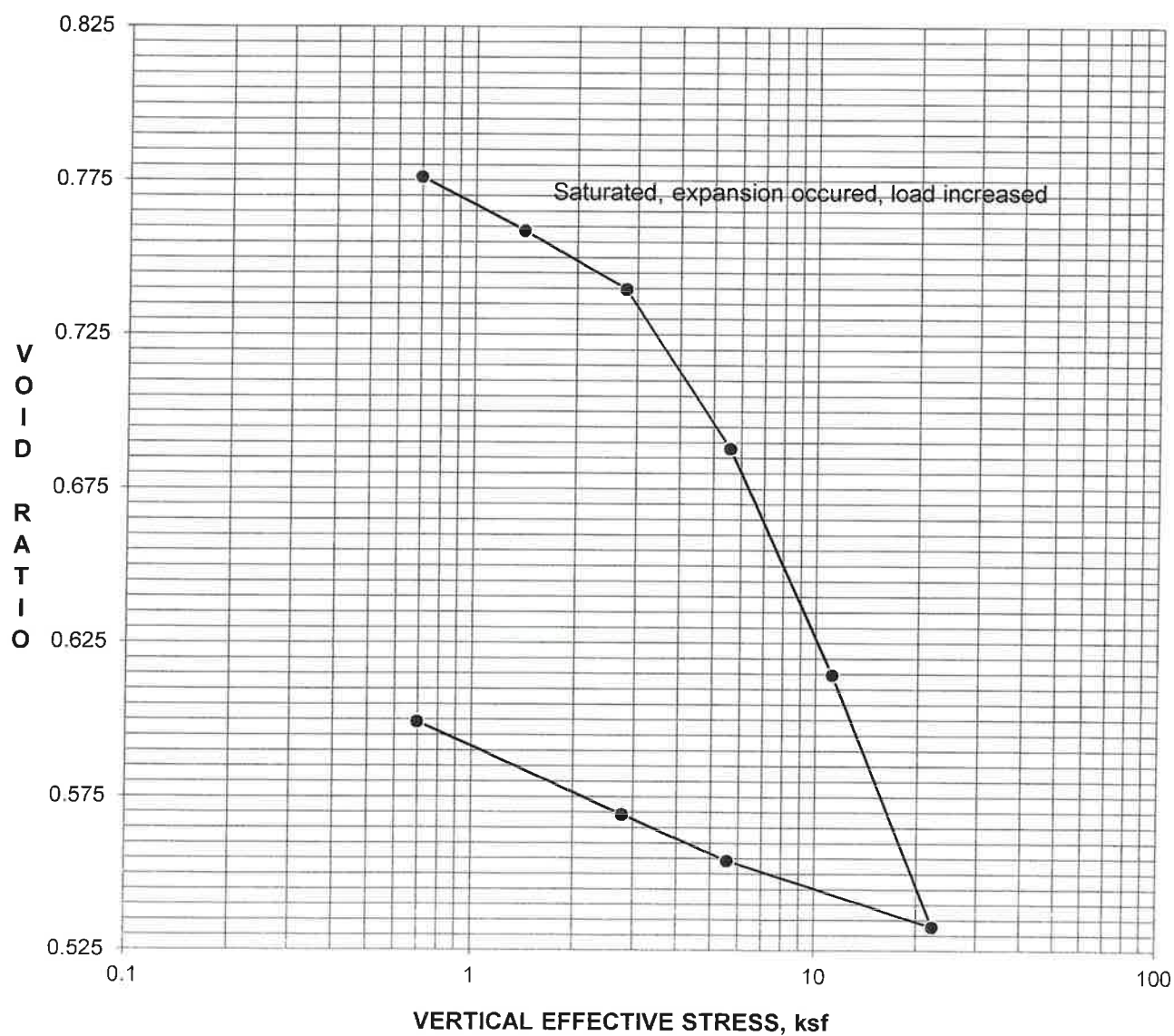
ASTM D 2435/D2435M-11

January 15, 2018

Boring #3 @ 11.0 - 11.5'
Lean Clay with Gravel (CL)
Ring Sample

DRY DENSITY: 92.2 pcf
MOISTURE CONTENT: 29.9%
SPECIFIC GRAVITY: 2.70 (assumed)
INITIAL VOID RATIO: 0.829

VOID RATIO vs. NORMAL PRESSURE DIAGRAM





233 Atascadero Hotel
Morro Bay, CA

SL-18230-SA

MOISTURE-DENSITY COMPACTION TEST

ASTM D 1557-12 (Modified)

PROCEDURE USED: B

January 15, 2018

PREPARATION METHOD: Moist

Boring #1 @ 0.0 - 5.0'

RAMMER TYPE: Mechanical

Sandy Lean Clay (CL)

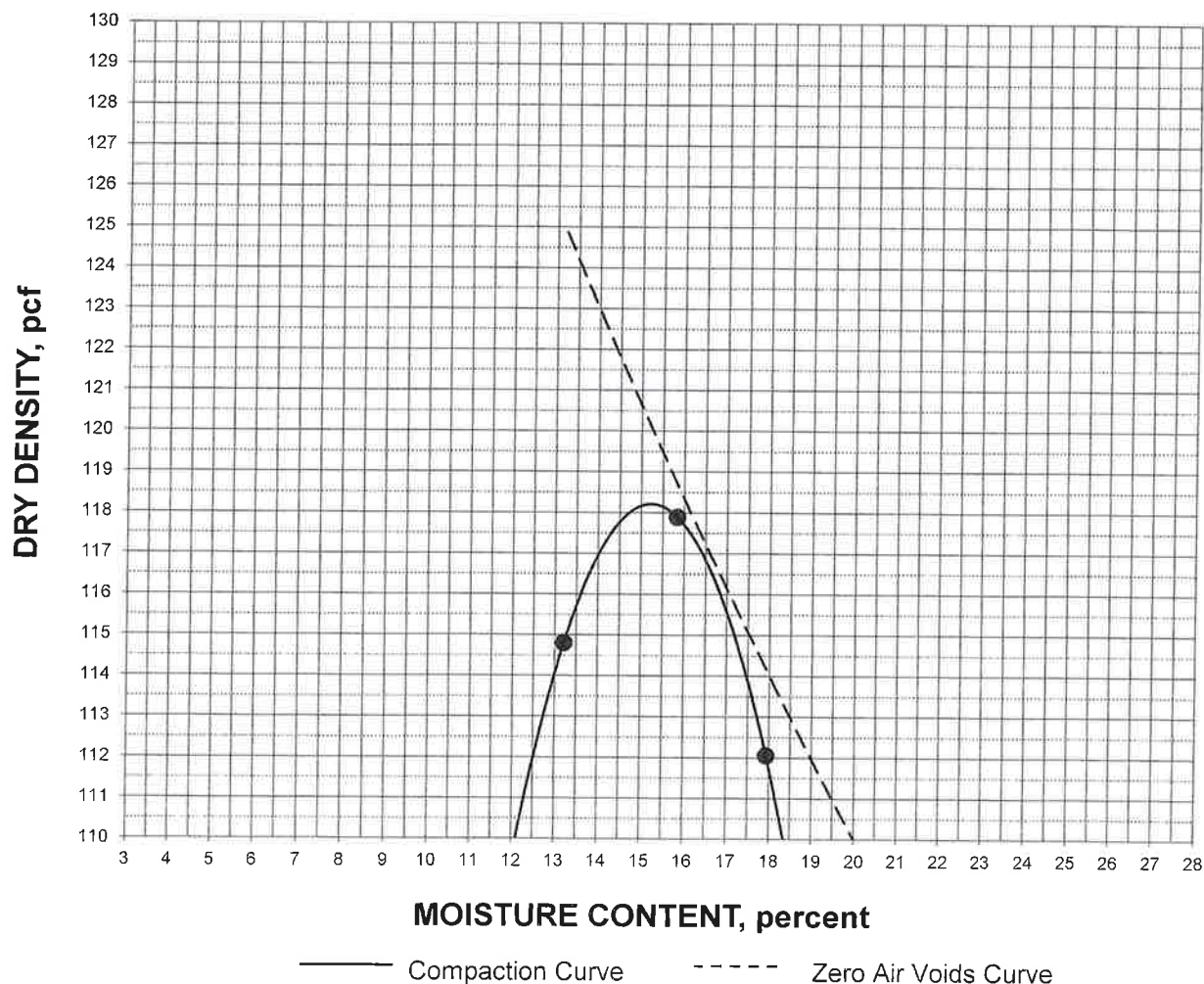
SPECIFIC GRAVITY: 2.72 (assumed)

SIEVE DATA:

Sieve Size	% Retained (Cumulative)
3/4"	0
3/8"	2
#4	6

MAXIMUM DRY DENSITY: 118.2 pcf

OPTIMUM MOISTURE: 15.2%





233 Atascadero Hotel
Morro Bay, CA

SL-18230-SA

DIRECT SHEAR

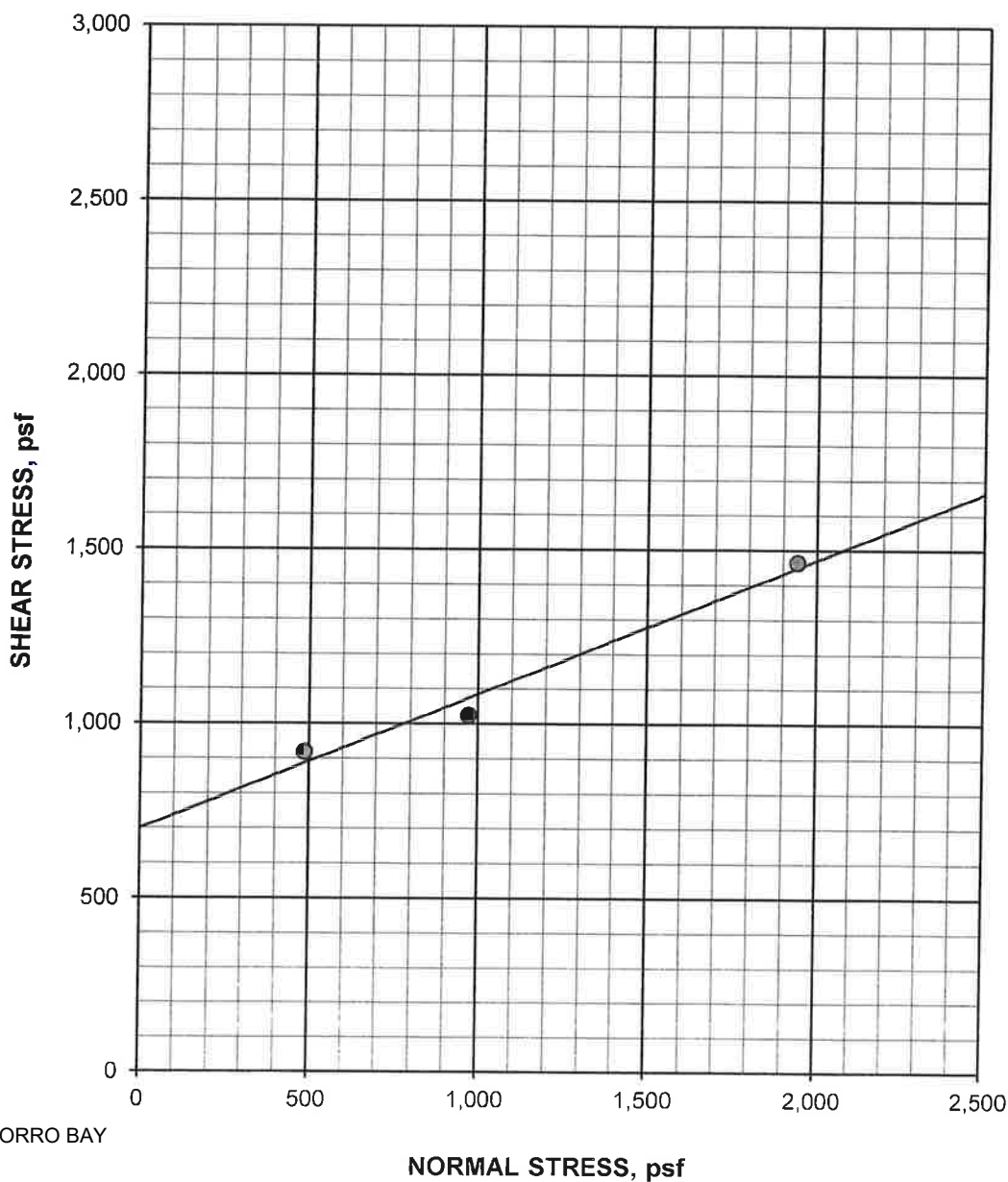
ASTM D 3080/D3080M-11 (modified for consolidated, undrained conditions)

January 15, 2018

Boring #1 @ 0.0 - 5.0'
Sandy Lean Clay (CL)
Compacted to 90% RC, saturated

INITIAL DRY DENSITY: 106.4 pcf
INITIAL MOISTURE CONTENT: 15.2 %
PEAK SHEAR ANGLE (ϕ): 21°
COHESION (C): 699 psf

SHEAR vs. NORMAL STRESS





233 Atascadero Hotel
Morro Bay, CA

SL-18230-SA

DIRECT SHEAR continued

ASTM D 3080/D3080M-11 (modified for consolidated, undrained conditions)

Boring #1 @ 0.0 - 5.0'

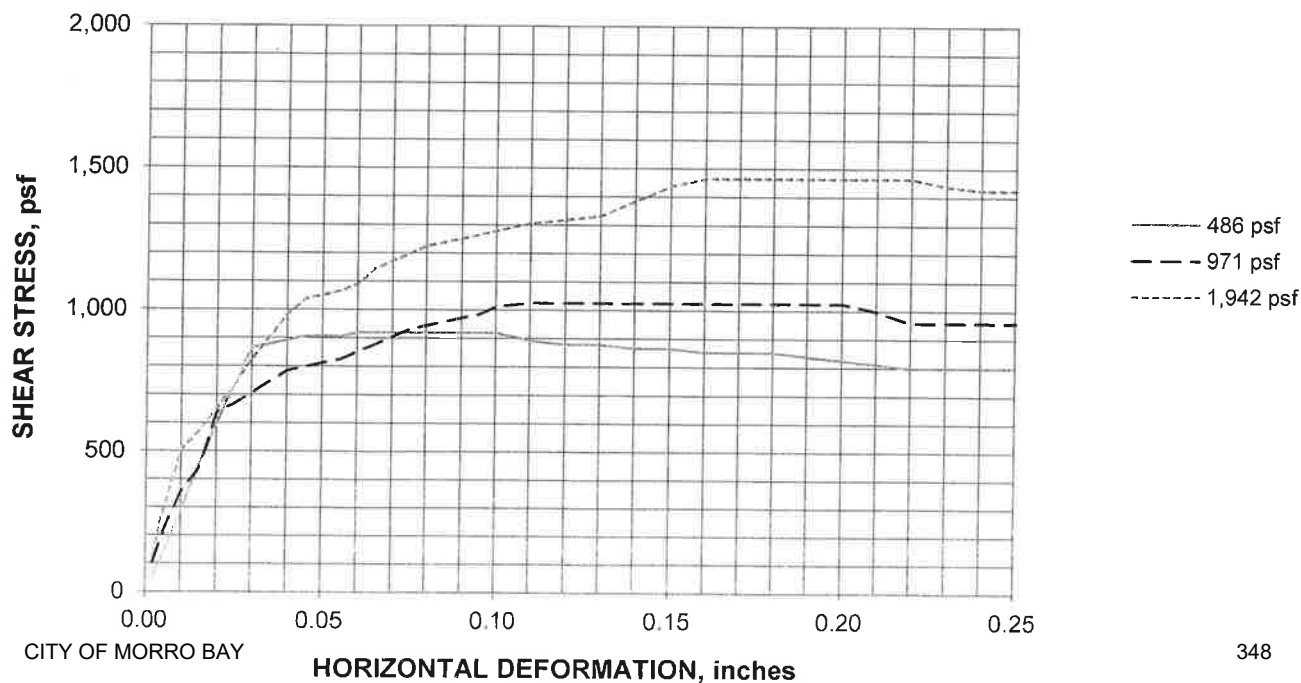
January 15, 2018

Sandy Lean Clay (CL)

Compacted to 90% RC, saturated

SPECIFIC GRAVITY: 2.72 (assumed)

SAMPLE NO.:	1	2	3	AVERAGE
INITIAL				
WATER CONTENT, %	15.2	15.2	15.2	15.2
DRY DENSITY, pcf	106.4	106.4	106.4	106.4
SATURATION, %	69.4	69.4	69.4	69.4
VOID RATIO	0.595	0.595	0.595	0.595
DIAMETER, inches	2.410	2.410	2.410	
HEIGHT, inches	1.00	1.00	1.00	
AT TEST				
WATER CONTENT, %	22.5	22.8	23.7	
DRY DENSITY, pcf	108.2	110.6	112.0	
SATURATION, %	100.0	100.0	100.0	
VOID RATIO	0.568	0.535	0.516	
HEIGHT, inches	0.98	0.96	0.95	





233 Atascadero Hotel
Morro Bay, CA

SL-18230-SA

MOISTURE-DENSITY COMPACTION TEST

ASTM D 1557-12 (Modified)

PROCEDURE USED: A

January 15, 2018

PREPARATION METHOD: Moist

Boring #4 @ 0.0 - 5.0'

RAMMER TYPE: Mechanical

Dark Brown Clayey Sand (SC)

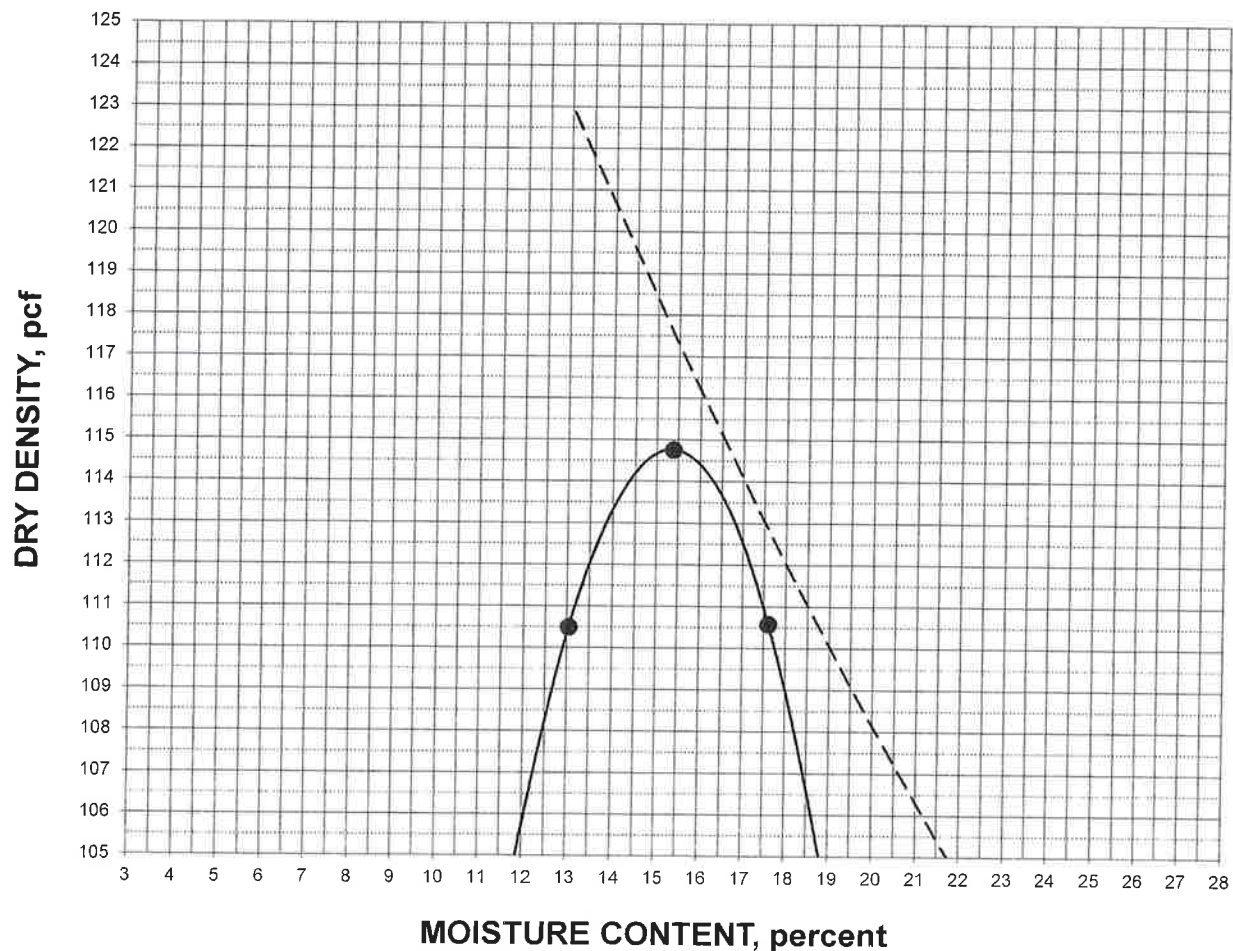
SPECIFIC GRAVITY: 2.65 (assumed)

SIEVE DATA:

Sieve Size	% Retained (Cumulative)
3/4"	0
3/8"	0
#4	0

MAXIMUM DRY DENSITY: 114.8 pcf

OPTIMUM MOISTURE: 15.3%



————— Compaction Curve - - - - - Zero Air Voids Curve



233 Atascadero Hotel
Morro Bay, CA

SL-18230-SA

RESISTANCE 'R' VALUE AND EXPANSION PRESSURE

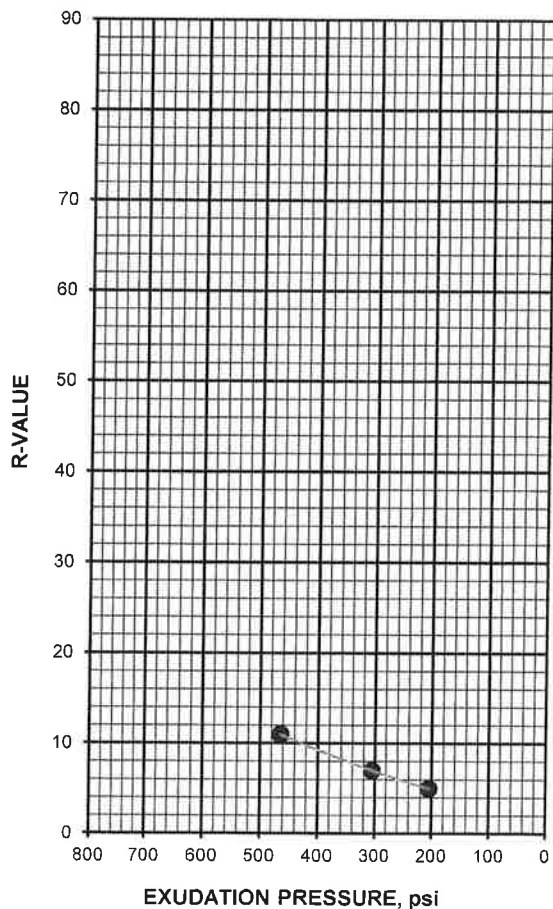
ASTM D 2844/D2844M-13

January 15, 2018

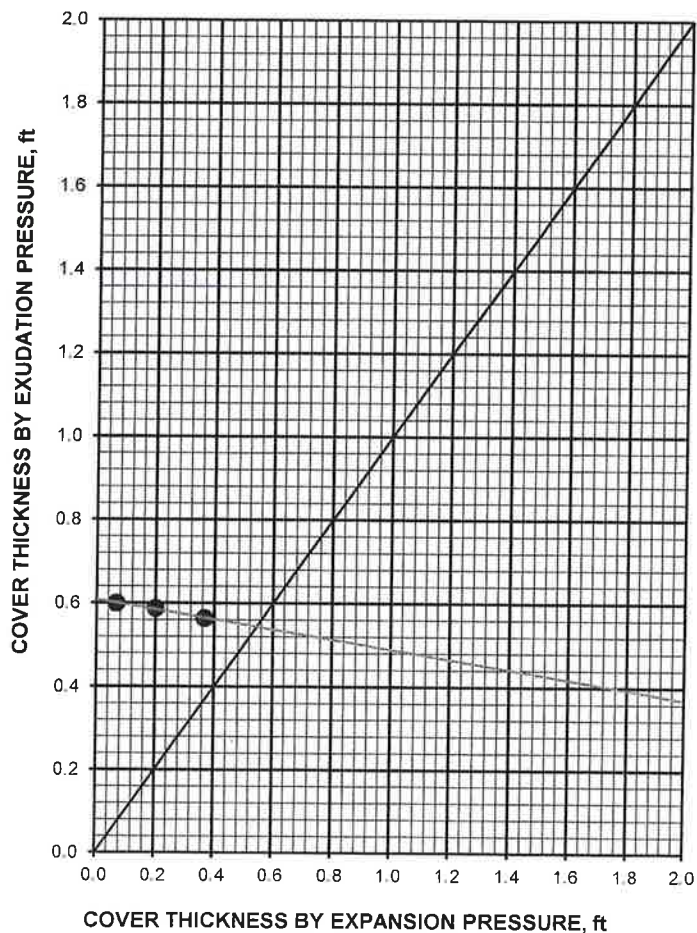
Boring #5 @ 0.0 - 5.0'
Dark Brown Sandy Lean Clay (CL)
Specified Traffic Index: 5.0

Dry Density @ 300 psi Exudation Pressure: 100.3-pcf
%Moisture @ 300 psi Exudation Pressure: 24.1%
R-Value - Exudation Pressure: 7
R-Value - Expansion Pressure: 14
R-Value @ Equilibrium: 7

**EXUDATION PRESSURE
CHART**



EXPANSION PRESSURE CHART



APPENDIX C

LID Infiltration Test Results



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: A1

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: MS

Test Hole Diameter: 6 inches

Test Hole Depth: 2.5 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 1.0 gallon

Depth to constant head: 4.5 inches

FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	4.50	--	--	--
5.0	5.25	0.75	6.67	9.00
5.0	6.00	0.75	6.67	9.00
5.0	6.50	0.50	10.00	6.00
5.0	7.00	0.50	10.00	6.00
10.0	7.75	0.75	13.33	4.50
10.0	8.25	0.50	20.00	3.00
20.0	9.00	0.75	26.67	2.25
30.0	9.50	0.50	60.00	1.00
30.0	10.00	0.50	60.00	1.00
30.0	10.75	0.75	40.00	1.50
30.0	11.25	0.50	60.00	1.00
60.0	12.00	0.75	80.00	0.75



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: A2

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: MS

Test Hole Diameter: 6 inches

Test Hole Depth: 4.25 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 1.5 gallons

Depth to constant head: 4.5 inches

FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	4.50	--	--	--
5.0	4.75	0.25	20.00	3.00
5.0	5.50	0.75	6.67	9.00
5.0	5.75	0.25	20.00	3.00
5.0	6.25	0.50	10.00	6.00
10.0	6.75	0.50	20.00	3.00
10.0	7.00	0.25	40.00	1.50
20.0	7.75	0.75	26.67	2.25
30.0	8.00	0.25	120.00	0.50
30.0	8.25	0.25	120.00	0.50
30.0	8.75	0.50	60.00	1.00
30.0	9.00	0.25	120.00	0.50
60.0	9.50	0.50	120.00	0.50



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: A3

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: MS

Test Hole Diameter: 6 inches

Test Hole Depth: 6.0 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 2.5 gallons

Depth to constant head: 5.5 inches

FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	5.50	--	--	--
5.0	6.00	0.50	10.00	6.00
5.0	7.50	1.50	3.33	18.02
5.0	8.25	0.75	6.67	9.00
5.0	9.00	0.75	6.67	9.00
10.0	10.00	1.00	10.00	6.00
10.0	11.00	1.00	10.00	6.00
10.0	12.00	1.00	10.00	6.00
10.0	12.75	0.75	13.33	4.50
20.0	14.00	1.25	16.00	3.75
20.0	15.50	1.50	13.33	4.50
20.0	16.75	1.25	16.00	3.75
30.0	18.25	1.50	20.00	3.00
30.0	20.75	2.50	12.00	5.00
30.0	22.00	1.25	24.00	2.50
30.0	23.00	1.00	30.00	2.00



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: A4

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: MS

Test Hole Diameter: 6 inches

Test Hole Depth: 8.0 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 20.5 gallons

Depth to constant head: 2.0 inches

FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	2.00	--	--	--
5.0	7.50	5.50	0.91	65.93
5.0	10.75	3.25	1.54	38.96
5.0	13.75	3.00	1.67	35.93
5.0	16.50	2.75	1.82	32.97
5.0	17.75	1.25	4.00	15.00
5.0	19.00	1.25	4.00	15.00
10.0	23.50	4.50	2.22	27.03
10.0	27.00	3.50	2.86	20.98
10.0	30.50	3.50	2.86	20.98
10.0	34.00	3.50	2.86	20.98
10.0	36.50	2.50	4.00	15.00
20.0	39.75	3.25	6.15	9.76
20.0	43.25	3.50	5.71	10.51
30.0	47.00	3.75	8.00	7.50
30.0	53.50	6.50	4.62	12.99
30.0	57.75	4.25	7.06	8.50
30.0	62.00	4.25	7.06	8.50



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: B1

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: CA

Test Hole Diameter: 6 inches

Test Hole Depth: 2.0 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 1.25 gallons

Depth to constant head: 4.0 inches

FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	4.25	--	--	--
15.0	7.00	2.75	5.45	11.01
15.0	7.50	0.50	30.00	2.00
15.0	7.75	0.25	60.00	1.00
15.0	8.25	0.50	30.00	2.00
15.0	8.50	0.25	60.00	1.00
30.0	8.75	0.25	120.00	0.50
90.0	9.75	1.00	90.00	0.67
30.0	10.00	0.25	120.00	0.50



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: B2

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: CA

Test Hole Diameter: 6 inches

Test Hole Depth: 4.0 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 1.1 gallons

Depth to constant head: 4.0 inches

FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	4.00			
15.0	6.00	2.00	7.50	8.00
15.0	7.25	1.25	12.00	5.00
15.0	7.50	0.25	60.00	1.00
15.0	8.00	0.50	30.00	2.00
15.0	8.75	0.75	20.00	3.00
15.0	9.00	0.25	60.00	1.00
15.0	9.25	0.25	60.00	1.00
15.0	9.50	0.25	60.00	1.00
15.0	9.75	0.25	60.00	1.00
15.0	10.00	0.25	60.00	1.00
15.0	10.50	0.50	30.00	2.00
30.0	11.25	0.75	40.00	1.50
30.0	11.50	0.25	120.00	0.50
15.0	11.75	0.25	60.00	1.00



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: B3

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: CA

Test Hole Diameter: 6 inches

Test Hole Depth: 6.0 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 7.0 gallons

Depth to constant head: 2.5 inches

FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	2.50	--	--	--
15.0	9.50	7.00	2.14	28.04
15.0	10.75	1.25	12.00	5.00
15.0	11.50	0.75	20.00	3.00
15.0	12.00	0.50	30.00	2.00
15.0	12.75	0.75	20.00	3.00
15.0	13.75	1.00	15.00	4.00
15.0	14.00	0.25	60.00	1.00
15.0	15.00	1.00	15.00	4.00
15.0	15.50	0.50	30.00	2.00
15.0	16.50	1.00	15.00	4.00
15.0	16.75	0.25	60.00	1.00
15.0	17.50	0.75	20.00	3.00
15.0	18.00	0.50	30.00	2.00
15.0	19.25	1.25	12.00	5.00
15.0	20.00	0.75	20.00	3.00
15.0	20.50	0.50	30.00	2.00



Project: 233 Atascadero Hotel
233 Atascadero Road, Morro Bay California

SL-18230-SA

INFILTRATION TEST RESULTS

Infiltration Test: B4

Date Drilled: December 11, 2017

Date Tested: December 12, 2017

Technician: CA

Test Hole Diameter: 6 inches

Test Hole Depth: 8.0 Feet

Test Duration: 270 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 3.9 gallons

Depth to constant head: 2.0 inches

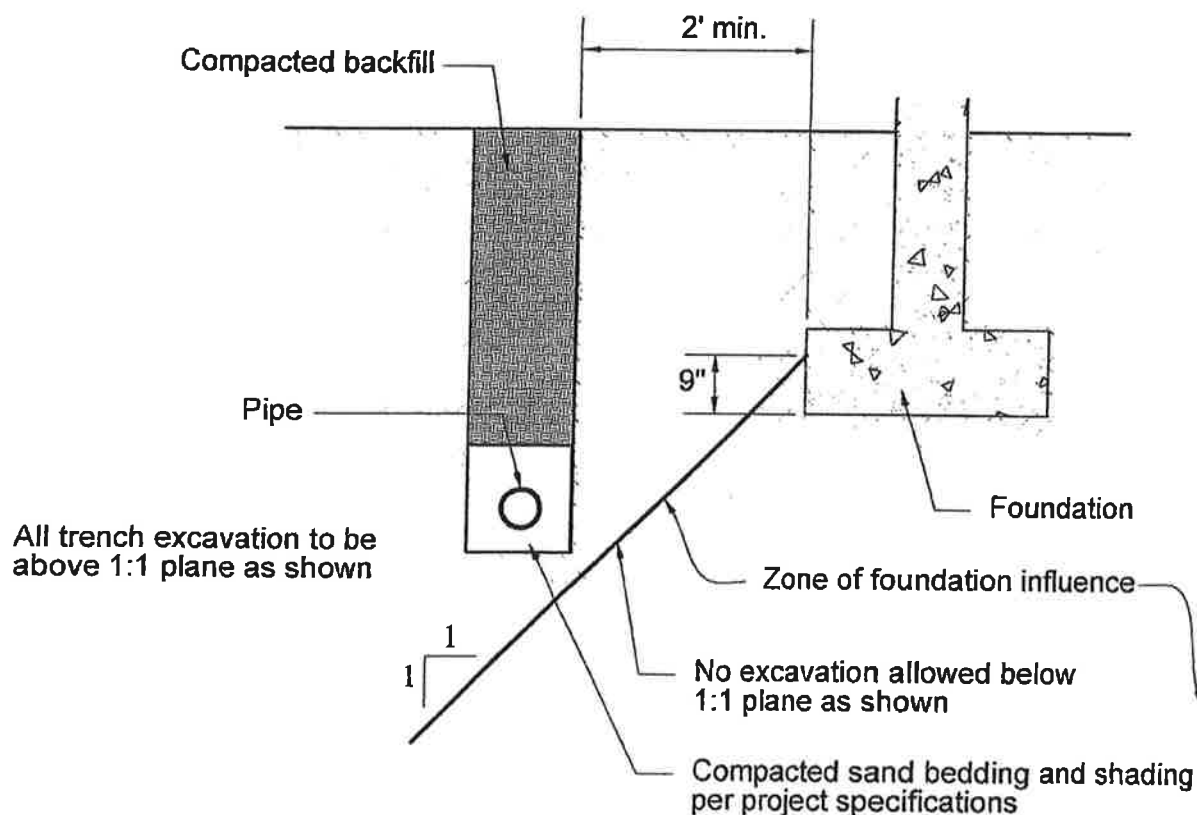
FALLING HEAD RESULTS

INTERVAL (Minutes)	READING (Inches)	INCREMENTAL FALL (Inches)	INFILTRATION RATE (Minutes / Inch)	INFILTRATION RATE (Inches / Hour)
Begin	2.00	--	--	--
15.0	14.75	12.75	1.18	50.85
15.0	27.00	12.25	1.22	49.18
15.0	35.25	8.25	1.82	32.97
15.0	44.75	9.50	1.58	37.97
15.0	51.50	6.75	2.22	27.03
15.0	58.00	6.50	2.31	25.97
15.0	65.75	7.75	1.94	30.93
15.0	68.00	2.25	6.67	9.00
15.0	71.25	3.25	4.62	12.99
15.0	73.25	2.00	7.50	8.00
15.0	75.75	2.50	6.00	10.00
15.0	76.25	0.50	30.00	2.00
15.0	77.75	1.50	10.00	6.00
15.0	78.00	0.25	60.00	1.00
15.0	79.25	1.25	12.00	5.00
15.0	79.75	0.50	30.00	2.00

APPENDIX D

Typical Detail A: Pipe Placed Parallel to Foundations

TYPICAL DETAIL A PIPE PLACED PARALLEL TO FOUNDATIONS



SCHEMATIC ONLY
NOT TO SCALE



Earth Systems Pacific

4378 Old Santa Fe Road
San Luis Obispo, CA 93401-8116
(805) 544-3276 • FAX (805) 544-1786
E-mail: esp@earthsystems.com

**ATTACHMENT F:
PHASE 1 ENVIRONMENTAL SITE ASSESSMENT**



PHASE I ENVIRONMENTAL SITE ASSESSMENT

*233 Atascadero Road
Morro Bay, California*

December 7, 2017
Haro Environmental Project 4401-2017

Prepared for:

Mr. Hemant Patel
2759 Coral Avenue
Morro Bay, California

Prepared by:

A handwritten signature in black ink that reads 'Elliot R. Haro'. The signature is written in a cursive style.

Elliot R. Haro
Principal Scientist

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PLATES

Plate1	Site Vicinity Map
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APPENDICES

Appendix A – Regulatory Records and Historical Documentation Reports
<u>Environmental Data Resources:</u> Radius Map with Geocheck®, Aerial Photo Decade Package, Historical Topographic Map Report, Sanborn® Certified Map Report, City Directory Image Report
Appendix B –Interview and Research Documentation
Appendix C – Photolog
Appendix D – Qualifications

EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (Phase I ESA) of the property located at 233 Atascadero Road in the City of Morro Bay, California (the Site) was performed by Haro Environmental for Mr. Hemant Patel. Haro Environmental performed this Phase I ESA consistent with the American Society for Testing and Materials (ASTM) Practice E-1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Standard). Exceptions to, or deletions from, this practice are described in this report.

The purpose of this assessment was to identify known, potential or historic recognized environmental conditions (RECs) resulting from historic and/or current uses of hazardous substances or petroleum products at the Site. We understand Mr. Hemant Patel is considering purchasing the Site and is interested in qualifying for the prospective purchaser liability protections granted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The findings of this environmental assessment are based on Haro Environmental's knowledge of the Site from observations and information gathered during this Phase I ESA.

The Site occupies approximately 2.02-acres and is currently vacant, undeveloped land. The Site consists of bare soil.

Results of a regulatory agency database search indicate the Site was not listed. Multiple properties near the Site were listed in the government databases, however, based on either distance from the Site or on the nature of the listings (non-release site), the majority of these nearby listed properties would not be expected to pose an environmental concern to the Site. Based on the listings, two sites could pose an environmental concern to the Site and include Les' Exxon at 290 Atascadero Road and Shell Service Station at 1840 Main Street. . Because investigation at the Shell Service Station located at 1840 Main Street (discussed below) included the installation of nine (9) groundwater monitoring wells at the Site, and because the Les' Exxon site is located at a cross-gradient location relative to the Site, the former presence of USTs at the Les' Exxon site would not be expected to pose an environmental concern to soil, soil vapor, and/or groundwater beneath the Site. The Shell Service Station site was listed in multiple databases for a release of gasoline to the subsurface. As a result of the release, total petroleum hydrocarbons (TPH) and methyl tertiary butyl ether (MTBE) were detected in groundwater beneath the Site. However, because the historic maximum detected concentrations are below regulatory thresholds, because the final concentrations were below the laboratory reporting limits, and because the case was closed by the Central Coast Regional Water Quality Control Board (CCRWQCB) in 2008, the former

presence of TPH and MTBE concentrations in groundwater beneath the Site is not expected to pose a significant environmental threat to subsurface soil, soil vapor, or groundwater beneath the Site.

A review of historic aerial photographs, topographic maps, and historic city directories listings show the Site has been vacant, undeveloped land since at least 1897, possibly dry land farmed from at least 1949 through at least 1963.

A reconnaissance of the Site was conducted by a Haro Environmental representative on November 27, 2017. During the reconnaissance, Haro Environmental did not observe hazardous materials or petroleum products. One pole-mounted transformer was observed near the south end of the Site, and no evidence of past or present leaks from the transformer were noted.

Based on the data gathered and reviewed during this Phase I ESA, Haro Environmental did not identify recognized environmental conditions or concerns that have impacted, or pose a significant environmental threat to subsurface soil, soil vapor, or groundwater beneath the Site.

During preparation of this Phase I ESA, Haro Environmental identified the following environmental condition to note:

- The historic detections of TPH and MTBE in groundwater beneath the Site.

Groundwater monitoring wells were previously located at the Site in support of assessing and monitoring remediation efforts for TPH and MTBE contamination originating from the former Shell Service Station at 1840 Main Street. Sampling of these wells indicated TPH and MTBE were detected at maximum concentrations of 50 µg/L and 13 µg/L, respectively. Final concentrations of TPH and MTBE collected in 2006/2007 indicated these chemicals were not detected above their respective reporting limits. Because the maximum detected concentrations are below regulatory thresholds, because the final concentrations were below the laboratory reporting limits, and because the case was closed by the CCRWQCB in 2008, the former presence of TPH and MTBE concentrations in groundwater beneath the Site is not expected to pose a significant environmental threat to subsurface soil, soil vapor, or groundwater beneath the Site.

Because we have no indications the Site has been impacted by petroleum hydrocarbons or hazardous materials at concentrations that would be the subject of an enforcement action or pose an unacceptable risk to future site users, no further assessments appears warranted at this time.

1.0 INTRODUCTION

This Phase I Environmental Site Assessment (Phase I ESA) of the property located at 233 Atascadero Road in the City of Morro Bay, California (the Site) was performed by Haro Environmental for Hemant Patel. A site vicinity map is provided on Plate 1. Haro Environmental performed this Phase I ESA consistent with the American Society for Testing and Materials (ASTM) Practice E-1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Standard). Exceptions to, or deletions from, this practice are described in Section 7.0 this report.

1.1 PURPOSE

This Phase I ESA was conducted in an effort to identify known, potential or historic recognized environmental conditions (RECs) resulting from historic and/or current uses of the Site. We understand this information will be used to qualify for the prospective purchaser liability protections granted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The ASTM Standard defines a REC as:

“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.” The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions”

The ASTM Standard defines a historical REC as:

“An environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.” For example, a historical REC could be identified if a past release of any hazardous substances or petroleum products has occurred in connection with the property and has

been remediated to the satisfaction of the lead regulatory agency as evidenced by a no further action letter or a case closure determination.

At the request of Mr. Patel, whom we understand is considering purchasing the Site, Haro Environmental has completed this Phase I ESA. This report is subject to the limitations presented in this Phase I ESA report.

This report describes Haro Environmental's assessment methodology, presents our findings, and provides our opinion as to the potential presence of RECs in connection with the Site.

1.2 SCOPE OF SERVICES

The scope of services conducted for this study included the following tasks:

- Perform an on-site reconnaissance to identify indicators of the existence of hazardous materials or petroleum products.
- Observe adjacent or nearby properties from the Site and public thoroughfares in an attempt to see if such properties are likely to use, store, generate, or dispose of hazardous materials or petroleum products.
- Obtain and review an environmental records database search from Environmental Data Resources, Inc. (EDR) to acquire information about the potential for hazardous materials to exist at on-site or at nearby properties.
- Review the current U.S. Geological Survey (USGS) topographic map to obtain information about topography and uses of the Site and nearby properties.
- Review historic aerial photographs, topographic maps, Sanborn® fire insurance maps, and historic city directories listings to obtain information about historic uses of the Site and adjacent properties.
- Review California Division of Oil and Gas records to obtain information about historic oil and gas activity in the vicinity of the Site.

- Conduct interviews with persons familiar with the Site development and local and/or State government agencies, as warranted, to obtain information about current and historic uses of the property.
- Prepare this report documenting the findings of the Phase I study.

Our scope of services did not include any inquiries with respect to non-scope ASTM considerations including but not limited to asbestos containing materials, radon gas, lead-based paint, lead in drinking water, mold, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, electromagnetic fields or geologic hazards.

2.0 SITE SETTING

The Site setting presented in this section describes the condition of the Site at the time of the Phase I ESA. Tables 2-1 and 2-2 summarize the physical characteristics of the Site and adjoining properties. A Site and Adjacent Land Use Map is provided on Plate 2.

2.1 SITE DESCRIPTION

Table 2-1 provides a summary of the physical location and size of the Site, as well as the current uses. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, and a site visit. Additional site description information was obtained during the site visit; please refer to the Section 5.0 of the report that covers site reconnaissance information.

**TABLE 2-1
SITE LOCATION AND LAND USE**

Parameter	Information/Comments
Location	The Site is located on the north side of Atascadero Road, between Highway 1 off ramp and the entrance to Morro Bay High School in an area of commercial land uses.
Assessor's Parcel No. (APN)	065-182-003 and -004, and 066-332-003
Section, Township, and Range	Section 25, Township 29 South, Range 10 East of the Mount Diablo Base and Meridian.
Current Use	Vacant, undeveloped land
Current Owner	Charles P. Olge, Trustee

2.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

Information on regional geology and hydrogeology is presented in Table 2-2. This information was obtained from published data and maps of the Site vicinity.

**TABLE 2-2
PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS**

Geologic/Hydrogeologic Parameter	Information/Comments
Site Topography	Based on a review of the USGS Morro Bay North, California 7.5-Minute Topographic Quadrangle Map dated 2012, elevation at the Site is approximately 30 feet above Mean Sea Level (MSL), and the relief across the Site slopes gently to the west towards the Pacific Ocean. Surface water runoff flows to Atascadero Road to the south.
Site Geology and Soil Types	<p>The Site is located within the Coast Ranges of the California Geomorphic Provinces (CGS, 2002). The Coast Ranges are characterized by a series of northwest trending ranges and valleys, sub-parallel to faults branching from the San Andres Fault. These ranges extend into southern California and are bound on the east by the Great Valley, on the south by the Transverse Ranges, to the west by the Pacific Ocean, and to the north by the Klamath Mountains.</p> <p>According to the Preliminary Geologic Map of the Morro Bay South 7.5-Minute Quadrangle, the Site is underlain by Holocene to late Pleistocene-aged alluvial deposits consisting of unconsolidated sand, silt and clay deposited on flood-plains and along valley floors (CGS, 2016).</p> <p>According to the Geocheck® section of the EDR report (Appendix A), soil at the Site is classified as Fluvents. These loam sand soils are characterized by high infiltration rates and are well to excessively drained.</p>
Site Hydrogeologic Setting	<p>The Site is located within the Morro Valley groundwater basin. Groundwater beneath the Site occurs in an unconfined aquifer in unconsolidated alluvial deposits (DWR, 2004). This basin is bound by the Pacific Ocean to the west, and on all other sides by contact with impermeable rocks of the Jurassic and Cretaceous age Franciscan Group.</p> <p>Based on information gathered during investigation and remediation at the form Shell Service Station facility located at 1840 Main Street, first groundwater beneath Site is found between 8 to 15 feet below ground surface with flow direction to the west-southwest towards the Pacific Ocean.</p>

2.3 ADJOINING AREA LAND USE

A drive-by survey of the area adjoining to the Site was performed by Haro Environmental personal on November 27, 2017. The results of this survey indicate the Morro Bay High School is present to the north (including the entrance road to the west), Highway 1 to the east, and a hotel to the south across Atascadero Road. Site and adjoining land uses are depicted on Plate 2.

2.4 LOCATION AND LEGAL DESCRIPTIONS

The Site is located on the north side of Atascadero Road, between Highway 1 off ramp and the entrance to Morro Bay High School in the City of Morro Bay and is identified by the County of San Luis Obispo Assessors office as APNs 065-182-003 and -004, and 066-332-003.

2.5 USER PROVIDED INFORMATION

Mr. Patel, prospective purchaser, was interviewed for actual knowledge pertaining to the Site to help identify the possibility of RECs in connection with the Site, and the results of the interview are provided below.

2.5.1 Title Records

Haro Environmental was provided and reviewed the Preliminary Title Report dated October 24, 2017 prepared by First American Title Company. No information regarding deed restrictions or environmental liens were noted during our review of the October 24, 2017 Preliminary Title Report. A copy of the Title Report is provided in Appendix B.

2.5.2 Environmental Liens or Activity and Use Limitations

Mr. Patel is unaware of any information pertaining to environmental liens or activity and use limitations for the Site. Haro Environmental was not provided with a copy of an environmental lien records search for the Site.

2.5.3 Specialized Knowledge

Mr. Patel did not provide Haro Environmental with any information pertaining to specialized knowledge or experience regarding the Site.

2.5.4 Commonly Known or Reasonably Ascertainable Information

Mr. Patel did not provide Haro Environmental with and was not aware of any information pertaining to commonly known or reasonably ascertainable information about the Site.

2.5.5 Valuation Reduction for Environmental Issues

Mr. Patel was not aware of and did not provide Haro Environmental with any information pertaining to a valuation reduction for the Site relative to any known environmental issues.

2.5.6 Owner, Property Manager, and Occupant Information

Mr. Patel indicated that based on his knowledge and experience related to the property, there are no obvious indicators that point to the presence or likely presence of contamination at the Site.

2.5.7 Reason for Performing Phase I ESA

The purpose of this Phase I ESA was to assess the environmental conditions of the Site, taking into account commonly and reasonably ascertainable information.

2.5.8 Other

No other information pertinent to the condition of the Site was provided to Haro Environmental by Mr. Patel.

2.6 ENVIRONMENTAL LIENS

No environmental lien search was conducted by the preparer or the user of this Phase I report.

3.0 RECORDS REVIEW

Government agency database records are sources of information that may be helpful in evaluating activities that may have contributed to a release of hazardous substances or petroleum products to soil and/or groundwater. Haro Environmental contracted a government agency database search from EDR. A copy of the EDR report, which specifies the approximate minimum search distance for each public list as defined in the ASTM Standard, is included as Appendix A.

Properties that (1) were identified within the approximate minimum search distance from the Site as stated in the ASTM Standard; and (2) are listed in databases indicative of a potential environmental concern (i.e. release or underground storage tank sites) and which based on distance and topography could potentially impact the Site are listed in Table 3-1, EDR Listing Summary of Selected Properties (see Appendix A for a complete listing of properties reported and acronyms used by EDR).

The subject Site was not listed in the databases searched by EDR. Nearby sites were listed in the EDR Hist Auto¹, Certified United Program Agency (CUPA Listings), historic underground storage tanks (HIST UST), facility index system (FINDS), Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG), Enforcement and Compliance History Information (ECHO), Underground Storage Tank (UST), Leaking Underground Storage Tank (LUST), Statewide Environmental Evaluation and Planning System (SWEEPS UST), Facility Inventory Database (CA FID UST), Underground Storage Tanks (UST), Facility and Manifest Data (HAZNET), Enforcement Action (ENF), and Hazardous Waste and Substances Site List (CORTESE) databases searched by EDR.

TABLE 3-1
EDR LISTING SUMMARY OF SELECTED PROPERTIES

Site Name	Site Address	Distance/Direction from Subject Site	Database Reference
City of Morro Bay / Shoreline Exxon / Les' Exxon	290 Atascadero Road	90 Feet – South	CUPA Listings, EDR Hist Auto, HIST UST

¹ 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

Circle K Store #1327 / Lucky 7 Mini Mart & Gas, Inc. / Circle K Service Station	1860 Main Street	300 Feet – East	FINDS, LUST, HIST UST, RCRA-SQG, SWEEPS UST, CA FID UST, CUPA Listings, ECHO, UST, HAZNET, EDR Hist Auto
Morro Bay Shell / Shell Service Station 135629	1840 Main Street	300 Feet – East	UST, FINDS, LUST, HIST UST, RCRA-SQG, SWEEPS UST, CA FID UST, CUPA Listings, ECHO, ENF, EDR Hist Auto, CORTESE

* = Listing generated and maintained by EDR (non-ASTM)

3.1 RESULTS OF DATABASE SEARCH

The following sections contain information on the results of the government records search conducted by EDR. Opinions presented below are based on information provided in EDR's report (unless otherwise noted) and on criteria such as distance from the Site, anticipated groundwater movement direction in the vicinity of the Site, and the nature of any reported unauthorized releases. In assessing the potential impact to buildings materials, soil, soil vapor, and/or groundwater beneath the Site, the shallowest groundwater was considered at approximately 10 feet bgs with an anticipated groundwater movement direction assumed to flow to the west-southwest towards the Pacific Ocean.

3.1.1 Subject Property

The Site was not listed in the databases searched by EDR.

3.1.2 Adjacent Properties

No adjacent properties were listed in the databases searched by EDR.

3.1.3 Nearby Properties

Results of the regulatory agency database search performed by EDR indicate numerous properties near the Site are listed in the databases searched by EDR, however, based on either distance from the Site or on the nature of the listings (non-release site), the majority of these nearby listed properties would not be expected to pose an environmental concern to the Site (see Appendix A for a complete listing of

properties reported and acronyms used by EDR). Based on the EDR listings, two sites could pose an environmental concern to the Site and include:

City of Morro Bay / Shoreline Exxon / Les' Exxon (90 Feet – South) – 290 Atascadero Road

The City of Morro Bay / Shoreline Exxon / Les' Exxon property was listed in the CUPA Listings, EDR Hist Auto, and HIST UST databases. This property is located south of the Site across Atascadero Road. Information regarding this property was obtained from the State Water Resources Control Board and indicated four 8,000-gallon underground storage tanks (USTs) were formerly located at the Site and included two for unleaded gasoline, one for regular gasoline, and one for diesel fuel. These USTs were reportedly installed in 1969, and no information was provided regarding the date(s) of removal or the subsurface conditions at the time of removal. Because investigation at the Shell Service Station located at 1840 Main Street (discussed below) included the installation of nine (9) groundwater monitoring wells at the Site, and because this property is located at a cross-gradient locations relative to the Site, the former presence of USTs at this property would not be expected to pose an environmental concern to soil, soil vapor, and/or groundwater beneath the Site.

Morro Bay Shell / Shell Service Station 135629 (300 Feet - West) – 1327 Archer Street

Morro Bay Shell / Shell Service Station 135629 was listed in the UST, FINDS, LUST, HIST UST, RCRA-SQG, SWEEPS UST, CA FID UST, CUPA Listings, ECHO, ENF, EDR Hist Auto, and CORTESE databases. This property is located at the northeast corner of the intersection between Main Street and Atascadero Road, and is located east of the Site, east of Highway 1. Information regarding this facility was obtained from technical reports located on the Geotracker website (SWRCB, 2017). Four (4) USTs were removed in 2002 and total petroleum hydrocarbons (TPH) and methyl tertiary butyl ether (MTBE) were detected in groundwater. The Central Coast Regional Water Quality Control Board (CCRWQCB) was lead agency overseeing cleanup. Multiple groundwater monitoring wells were installed to assess the extent of groundwater impacts, particularly for MTBE which was threatening water production wells owned by the City of Morro Bay. Nine (9) groundwater monitoring wells were installed at the Site to assess the down-gradient distribution of dissolved-phase hydrocarbons and MTBE, and copies of the boring logs for the onsite groundwater monitoring wells are provided in Appendix B. During installation of the onsite wells, field indications of contamination were not noted in the boring logs. Subsequent sampling of the onsite wells indicated TPH and MTBE were detected at maximum concentrations of 50 micrograms per liter ($\mu\text{g/L}$) in well MW-23 screened from 14.5 to 19.5 feet below ground surface (bgs) in 2001 and 13 $\mu\text{g/L}$ in well MW-22 screened from 20 to 30 feet bgs in 2002, respectively. Final concentrations of TPH and MTBE collected in 2006/2007 indicated these chemicals were not detected above their respective reporting limits. Remediation was performed and the case was

closed by the CCRWQCB in 2008, and a copy of the no further action (NFA) letter is provided in Appendix B.

3.1.4 Orphan List

Sites not plotted by EDR due to poor or inadequate address information are referred to as orphan sites. There was one unmapped orphan site listed in the EDR Report. The orphan summary/unmapped sites report was reviewed by Haro Environmental to assess the potential for off-site properties to affect the subject Site. Because they have incomplete addresses, these orphan sites are not practically reviewable as defined by the ASTM standard. However, based upon the street names, locations reported, and Haro Environmental's knowledge of the area, the orphan/unmapped site identified by EDR would not be expected to pose an environmental concern to subsurface soils, soil vapor, or groundwater at the Site.

3.1.5 Non-ASTM Issues

Assessment of non-ASTM issues including but not limited to asbestos containing materials, radon gas, lead-based paint, lead in drinking water, mold, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, electromagnetic fields or geologic hazards were not included as part of this Phase I ESA.

3.2 OTHER RECORDS REVIEWED

The following additional sources of information were reviewed as part of this Phase I ESA.

3.2.1 Public Agency Records

The following public agencies were contacted regarding files for the Site and indicated they do not maintain files:

- City of Morro Bay
- Central Coast Regional Water Quality Control Board
- County of San Luis Obispo Environmental Health Services
- California Department of Toxic Substances Control (Envirostor website)
- County of San Luis Obispo Air Pollution Control District

3.2.2 Previous Environmental Reports

No previous environmental reports for the Site were provided or obtained from the agency file reviews, and therefore, no previous environmental reports for the Site were reviewed.

4.0 SITE HISTORY

The history of the site was researched to identify obvious uses of the site back to the first developed use, or at least 40 years ago, whichever is earlier or readily available.

Several data gaps since 1940 of greater than 5 years were identified in the historical records reviewed and included the years from 1943 to 1949, from 1956 to 1963, and from 1965 to 1975. These data gaps are considered insignificant because the site use appears to be similar during the data gaps.

4.1 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means, or observed during a site visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from several historical photograph collections through EDR. A tabulation of the aerial photographs reviewed is presented in Table 4-1.

**TABLE 4-1
HISTORICAL AERIAL PHOTOGRAPHS REVIEWED**

Date	Approximate Scale	Source
1949	1" = 500'	USDA
1956	1" = 500'	USGS
1963	1" = 500'	USGS
1976	1" = 500'	USGS
1981	1" = 500'	USGS
1987	1" = 500'	USDA
1994	1" = 500'	USGS/DOQQ
2005	1" = 500'	USDA/NAIP
2006	1" = 500'	USDA/NAIP
2009	1" = 500'	USDA/NAIP
2010	1" = 500'	USDA/NAIP
2012	1" = 500'	USDA/NAIP

Note: Aerial photographs only provide information on indications of land use and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.

Copies of the reviewed aerial photographs are included in Appendix A. The following is a summary of our review of these photographs.

- **1949** – The Site and adjacent properties appear as vacant, undeveloped land possibly dry land farmed. Atascadero Road appears as a dirt road in its present day location.
- **1956** – The Site and adjacent properties appear similar to the 1949 aerial photograph.
- **1963** – The Site appears similar to the 1956 aerial photograph. Highway 1 and the adjacent off ramp appear in their present day locations. Morro Bay High School appears as does the entrance road.
- **1973** – The Site and surrounding properties appear similar to the 1963 aerial photograph with the exception of Les' Exxon appearing south of the Site across Atascadero Road.
- **1981** – The Site and surrounding properties appear similar to the 1973 aerial photograph.
- **1987** – The Site and surrounding properties appear similar to the 1981 aerial photograph.
- **1994** – The Site and surrounding properties appear similar to the 1987 aerial photograph with the exception of Les' Exxon no longer appearing.
- **2005** – The Site and surrounding properties appear similar to the 1994 aerial photograph.
- **2006** – The Site and surrounding properties appear similar to the 2005 aerial photograph.
- **2009** – The Site and surrounding properties appear similar to the 2006 aerial photograph with the exception of the hotel to the south of the Site across Atascadero Road appearing.
- **2010** – The Site and surrounding properties appear similar to the 2009 aerial photograph.
- **2012** – The Site and surrounding properties appear similar to the 2009 aerial photograph.

4.2 HISTORICAL TOPOGRAPHIC MAPS

Haro Environmental contacted EDR for information regarding historical topographic maps of the Site vicinity. The topographic maps reviewed for this assessment are listed below in Table 4-2. Copies of the maps are included in Appendix A.

**TABLE 4-2
HISTORICAL TOPOGRAPHIC MAPS REVIEWED**

Year	Quadrangle	Series	Scale
1897	San Luis Obispo	15 minute	1:62,500
1900	San Luis	30 minute	1:125,000
1943	San Luis Obispo	15 minute	1:62,500
1951	San Luis Obispo	15 minute	1:50,000
1965	San Luis Obispo	15 minute	1:62,500
1993 Photorevised from 1965	San Luis Obispo	7.5 minute	1:24,000
1995 Photorevised from 1965	San Luis Obispo	7.5 minute	1:24,000
2012	San Luis Obispo	7.5 minute	1:24,000

The Site is located in the City of Morro Bay at an elevation of approximately 30 feet above MSL. The Pacific Ocean is located approximately 2,300 feet to the west of the Site and Highway 1 is located approximately 100 feet to the east of the Site. Copies of the reviewed historic topographic maps are included in Appendix A. The following is a summary of our review of the maps.

- **1897** – The Site and surrounding properties appear depicted as vacant, undeveloped land.
- **1900** – The Site and surrounding properties appear depicted similar to the 1897 map.
- **1943** – The Site and adjacent properties are depicted similar to the 1900 map with the exception of Atascadero Road depicted south of the Site.
- **1951** – The Site and surrounding properties appear depicted similar to the 1943 map.
- **1965** – The Site and surrounding properties are depicted similar to the 1951 map with the exception of Highway 1 and the adjacent off ramp depicted in their present day locations and Morro Bay High School appearing.
- **1993** – The Site and surrounding properties are depicted similar to the 1965 map.

- **1995** – The Site and surrounding properties are depicted similar to the 1993 map.
- **2012** – Individual building depictions and shading have been removed. The Site and surrounding properties are depicted similar to the 1998 map.

4.3 SANBORN® FIRE INSURANCE MAPS

Sanborn® Fire Insurance Maps provide historical land use information in some metropolitan areas and small, established towns. Sanborn® Fire Insurance Maps were not available for the Site, and a copy of the no coverage letter is provided in Appendix A.

4.4 CITY DIRECTORIES

Haro Environmental contacted EDR to obtain a historical City Directory Abstract, which lists the names and/or businesses that historically occupied an address. The City Directory Abstract, which covers the period from 1975 to 2010, provides tenant information for an address and/or adjoining streets. The directories indicate the Site has not been listed. 290 Atascadero Road is listed as Les Exxon at in 1975, 1980, and 1984, and Shoreline Exxon in 1990.

4.5 OIL AND GAS MAPS

Maps provided online by the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources were reviewed to determine the current or historic presence of oil or gas wells in the vicinity of the Site (DOGGR, 2003). The maps reviewed indicated no oil and gas wells are reported within a one-mile radius of the Site.

4.6 CRUDE OIL PIPELINES

The National Pipeline Mapping System maintained by the Pipeline and Hazardous Materials Safety Administration was reviewed for the presence of gas and hazardous liquid transmission pipelines, and the results indicate there are no mapped hazardous liquid transmission lines located within a one-mile radius of the Site (PHMSA, 2017).

4.7 CHAIN OF TITLE RECORDS

Haro Environmental was provided and reviewed the Preliminary Title Report dated October 24, 2017 prepared by First American Title Company. No information regarding deed restrictions or environmental liens were noted during our review of the October 24, 2017 Preliminary Title Report. A copy of the Title Report is provided in Appendix B.

5.0 SITE RECONNAISSANCE AND INTERVIEWS

Haro Environmental's assessment activities included a site reconnaissance. This section summarizes the findings from the site reconnaissance.

5.1 SITE RECONNAISSANCE

5.1.1 Methodology and Limiting Conditions

Mr. Elliot Haro of Haro Environmental performed an unaccompanied reconnaissance of the Site on November 27, 2017. The site reconnaissance was conducted by: 1) observing the Site from public thoroughfares, 2) observing the adjoining properties from public thoroughfares, and 3) observing the Site from walking paths. The purpose of the site reconnaissance was to identify the presence or likely presence of hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or threat of release into soil, groundwater, or surface water at the Site (recognized environmental conditions). Observations from the site reconnaissance are summarized in the following sections. A photo log of photographs taken during the site reconnaissance is included as Appendix C.

5.1.2 Current Use of the Property and Adjoining Properties

The Site is currently vacant, undeveloped land.

The property to the north is the Morro Bay High School parking lot, to the west is the entrance road for Morro Bay High School, to the east is Highway 1 and the off ramp, and to the south is Atascadero Road followed by a hotel. Nearby land uses are depicted on Plate 2.

5.1.3 General Description of Structures

The Site is currently vacant, undeveloped land.

5.1.4 Interior and Exterior Observations

There are no structures on the Site.

5.1.5 Hazardous Substances and Petroleum Products

No hazardous substances or petroleum products were observed during the site reconnaissance.

5.1.6 Unidentified Substance Containers

Unidentified hazardous substance containers or unidentified containers that might contain hazardous substances were not observed during the site reconnaissance.

5.1.7 Storage Tanks

During the site reconnaissance, Haro Environmental did not observe evidence of above-ground storage tanks (ASTs).

5.1.8 Odors

During the site reconnaissance, Haro Environmental did not identify any strong, pungent, or noxious odors.

5.1.9 Pools of Liquid

During the site reconnaissance, Haro Environmental did not identify any pools of liquid including standing surface water. In addition, sumps containing liquids likely to be hazardous substances or petroleum products were not observed.

5.1.10 Drums

During the site reconnaissance, Haro Environmental did not observe evidence of drums onsite.

5.1.11 Indications of Polychlorinated Biphenyls (PCBs)

During the site reconnaissance, Haro Environmental did not observe evidence of PCBs onsite. One pole-mounted transformer is located at the Site. The transformer appeared to be in good conditions, and no staining of the pole or soil surrounding the pole was noted.

5.1.12 Other Conditions of Concern

During the site reconnaissance Haro Environmental did not note any of the following:

- Corrosion
- Clarifiers, and/or sumps
- Pits, ponds, and/or lagoons
- Stressed vegetation
- Waste water
- Drains
- Septic tanks
- Solid waste

5.2 INTERVIEWS

Mr. Charles P. Ogle, current property trustee, answered a series of questions and the questionnaire completed by Mr. Ogle and explanations is provided in Appendix B. Although Mr. Ogle was not interviewed, a review of the questionnaire completed by him did not provide additional information relative to environmental concerns not already identified during preparation of this Phase I ESA.

6.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

This Phase I ESA of the property located at 233 Atascadero Road in the City of Morro Bay, California was performed by Haro Environmental for Mr. Hemant Patel. Haro Environmental performed this Phase I ESA consistent with ASTM Practice E-1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Standard). Exceptions to, or deletions from, this practice are described in this report.

Based on the data gathered and reviewed during this Phase I ESA, Haro Environmental did not identify recognized environmental conditions or concerns that have impacted, or pose a significant environmental threat to subsurface soil, soil vapor, or groundwater beneath the Site.

During preparation of this Phase I ESA, Haro Environmental identified the following environmental condition to note:

- The historic detections of TPH and MTBE in groundwater beneath the Site.

Groundwater monitoring wells were previously located at the Site in support of assessing and monitoring remediation efforts for TPH and MTBE contamination originating from the former Shell Service Station at 1840 Main Street. Sampling of these wells indicated TPH and MTBE were detected at maximum concentrations of 50 µg/L and 13 µg/L, respectively. Final concentrations of TPH and MTBE collected in 2006/2007 indicated these chemicals were not detected above their respective reporting limits. Because the maximum detected concentrations are below regulatory thresholds, because the final concentrations were below the laboratory reporting limits, and because the case was closed by the CCRWQCB in 2008, the former presence of TPH and MTBE concentrations in groundwater beneath the Site is not expected to pose a significant environmental threat to subsurface soil, soil vapor, or groundwater beneath the Site.

Because we have no indications the Site has been impacted by petroleum hydrocarbons or hazardous materials at concentrations that would be the subject of an enforcement action or pose an unacceptable risk to future site users, no further assessments appears warranted at this time.

7.0 STANDARD OF CARE

The findings and conclusions contained in this Phase I ESA are based upon professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted industry standards and practices applicable to this location and are subject to the following inherent limitations:

Accuracy of Information. Certain information utilized by Haro Environmental in this assessment has been obtained, reviewed, and evaluated from various sources believed to be reliable. Although Haro Environmental's conclusions, opinions, and recommendations are based, in part, on such information, Haro Environmental's services did not include the verification of the information's accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Haro Environmental reserves the right to amend or revise its conclusions, opinions and/or recommendations.

Reconnaissance. Haro Environmental performed a reconnaissance of the Site that is the subject of this assessment to document current conditions. Haro Environmental focused on areas deemed more likely to exhibit hazardous materials conditions while other areas received limited attention. No known areas were inaccessible at the time of our reconnaissance.

Limitations. Haro Environmental does not guarantee that the Site is free of hazardous or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future. This assessment has been prepared in accordance with currently accepted industry standards, and no other warranties, representations, or certifications are made. Unless stated otherwise herein, this report is intended for and restricted to the sole use of Mr. Hemant Patel. Any other use, interpretation, or reliance upon this assessment is at the sole risk of the user and Haro Environmental shall have no liability for such unauthorized use, interpretation or reliance.

Qualifications of Environmental Professionals. Mr. Elliot Haro representing Haro Environmental performed this ESA. Mr. Haro is an environmental consultant who has performed over 100 ESAs for a variety of clients. Mr Haro's resume is provided in Appendix D.

Reliance. This ESA report has been prepared for the exclusive use and reliance of Mr. Hemant Patel. Use or reliance by any other party is prohibited without the written authorization of Mr. Hemant Patel and Haro Environmental.

Scope Limitations and ASTM Exceptions. This ESA did not include any inquiries with respect to non-scope ASTM considerations (including but not limited to asbestos containing materials, radon gas, lead-based paint, lead in drinking water, mold, wetlands, regulatory compliance, cultural and historic

resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality or electromagnetic fields), subsurface or other invasive assessments, business environmental risk evaluations or other services not particularly identified and discussed herein.

Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested may not be received by the issuance date of the report. In the event information obtained from sources mentioned previously alters the findings stated in this report, an addendum letter will be forwarded to Mr. Hemant Patel under separate cover providing Haro Environmental's findings and conclusions. Additional Phase I ESA limitations include:

- Several data gaps since 1940 of greater than 5 years were identified in the historical records reviewed and included the years from 1943 to 1949, from 1956 to 1963, and from 1965 to 1975. These data gaps are considered insignificant because the site use appears to be similar during the data gaps.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the Site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable or not present during the reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

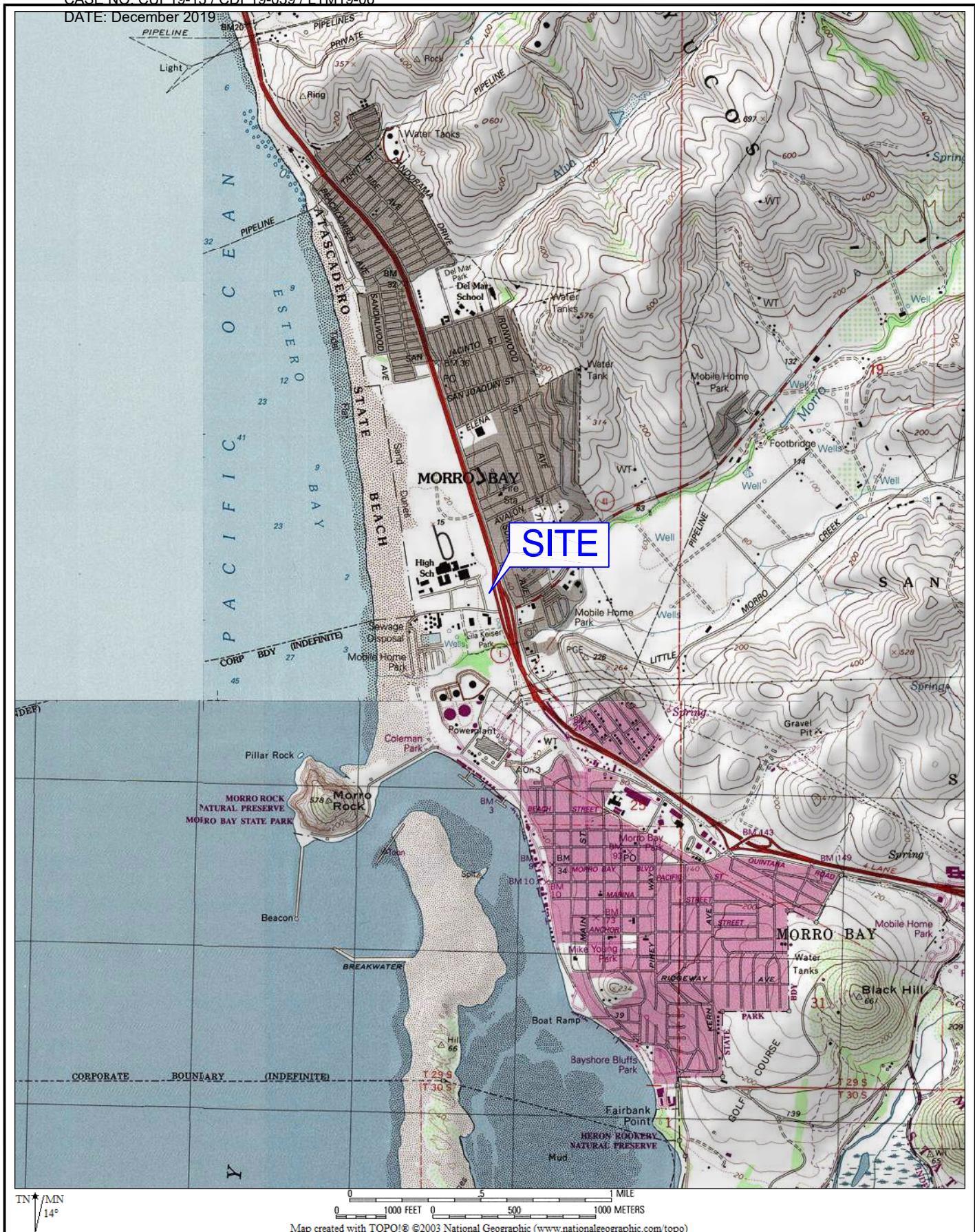
Certification. I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

8.0 REFERENCES

- California Department of Conservation, California Geological Survey (CGS). 2002. *California Geomorphic Provinces – Note 36*.
- California Department of Conservation, California Geological Survey (CGS). 2016. *Preliminary Geologic Map of the Morro Bay North 7.5-Minute Quadrangle, San Luis Obispo County, California*.
- California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR). 2003. Map 126 located here: <ftp://ftp.consrv.ca.gov/pub/oil/maps/dist1/126/Map126.pdf>.
- California Department of Water Resources (DWR). 1975. *Morro Valley Groundwater Basin. California's Groundwater Bulletin No. 118. Last updated February 27, 2004*.
- California State Water Resources Control Board (SWRCB). 2017. *Geotracker Website*: <http://geotracker.waterboards.ca.gov/>
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- EDR. November 13, 2017. The EDR Radius Map with GeoCheck®, 233 Atascadero Road, Morro Bay, California.
- EDR. November 15, 2017. The EDR Aerial Photo Decade Package, 233 Atascadero Road, Morro Bay, California.
- EDR. November 13, 2017. The EDR Sanborn® Map Report, 233 Atascadero Road, Morro Bay, California.
- Pipeline and Hazardous Materials Safety Administration (PHMSA). 2017. National Pipeline Mapping System website: <https://www.npms.phmsa.dot.gov/PublicViewer/>

PLATES

DATE: December 2019



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)



872 Higuera Street
San Luis Obispo, CA 93401
Phone: 805 204 4483
Fax: 805 831 6081

FILE NAME: *SITE VICINITY MAP.DWG*
CITY OF MORRO BAY

SITE VICINITY MAP

233 Atascadero Road
Morro Bay, California

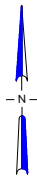
PLATE: **1**
SHEET: of
REVISION NO: **0**
DATE: **11/17**
393



LEGEND

- APPROXIMATE SITE BOUNDARY
- 1 POLE-MOUNTED TRANSFORMER
- 2 FORMER SHELL GAS STATION
- 3 FORMER GROUNDWATER MONITORING WELL LOCATION
- 4 FORMER GAS STATION

*Source: Google Earth 2017



0 150

APPROXIMATE SCALE
1 INCH = 150 FEET



872 Higuera Street
San Luis Obispo, California 93401
Phone: 805.204.4483
Fax: 805.832.6081

SALU MAP CITY OF MORRO BAY

SITE AND ADJACENT LAND USE MAP

233 Atascadero Road
Morro Bay, California

PLATE:

2

REVISION NO:

DATE: 11/17

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APPENDIX A

REGULATORY RECORDS DOCUMENTATION



233 Atascadero Road

233 Atascadero Road

Morro Bay, CA 93442

Inquiry Number: 5105914.3

November 13, 2017

Certified Sanborn® Map Report



CITY OF MORRO BAY

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

Certified Sanborn® Map Report

11/13/17

Site Name:

233 Atascadero Road
233 Atascadero Road
Morro Bay, CA 93442
EDR Inquiry # 5105914.3

Client Name:

Haro Environmental, Inc.
PO Box 7002
Los Osos, CA 93412
Contact: Elliot Haro



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

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

Certified Sanborn Results:

Certification # CF60-43A0-8E0A

PO # NA

Project NA

UNMAPED PROPERTY

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



Sanborn® Library search results

Certification #: CF60-43A0-8E0A

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

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

The Sanborn Library LLC Since 1866™

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233 Atascadero Road

233 Atascadero Road

Morro Bay, CA 93442

Inquiry Number: 5105914.4

November 13, 2017

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

11/13/17

Site Name:

233 Atascadero Road
 233 Atascadero Road
 Morro Bay, CA 93442
 EDR Inquiry # 5105914.4

Client Name:

Haro Environmental, Inc.
 PO Box 7002
 Los Osos, CA 93412
 Contact: Elliot Haro



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

Search Results:**Coordinates:****P.O.#** NA**Project:** NA**Latitude:** 35.380845 35° 22' 51" North**Longitude:** -120.856352 -120° 51' 23" West**UTM Zone:** Zone 10 North**UTM X Meters:** 694715.87**UTM Y Meters:** 3917388.29**Elevation:** 28.35' above sea level**Maps Provided:**

2012 1897
 1995, 1998
 1993, 1994
 1978
 1965
 1951
 1943
 1900

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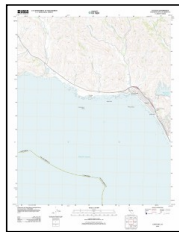
Topo Sheet Key

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

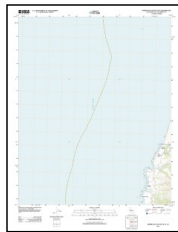
2012 Source Sheets



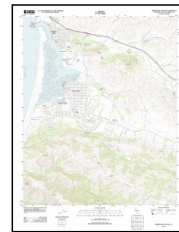
Morro Bay North
2012
7.5-minute, 24000



Cayucos
2012
7.5-minute, 24000

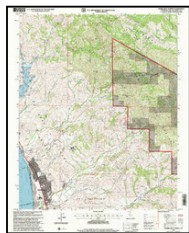


Morro Bay South OE W
2012
7.5-minute, 24000



Morro Bay South
2012
7.5-minute, 24000

1995, 1998 Source Sheets



Morro Bay North
1995
7.5-minute, 24000
Aerial Photo Revised 1994



Morro Bay South
1998
7.5-minute, 24000
Aerial Photo Revised 1988

1993, 1994 Source Sheets



Morro Bay North
1993
7.5-minute, 24000
Aerial Photo Revised 1988



Cayucos
1994
7.5-minute, 24000
Aerial Photo Revised 1987



Morro Bay South
1994
7.5-minute, 24000
Aerial Photo Revised 1988

1978 Source Sheets



Morro Bay South
1978
7.5-minute, 24000
Aerial Photo Revised 1976

Topo Sheet Key

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

1965 Source Sheets



Morro Bay North
1965
7.5-minute, 24000
Aerial Photo Revised 1963



Cayucos
1965
7.5-minute, 24000
Aerial Photo Revised 1963



Morro Bay South
1965
7.5-minute, 24000
Aerial Photo Revised 1963

1951 Source Sheets



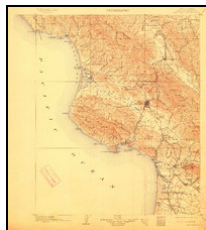
Cayucos
1951
15-minute, 62500

1943 Source Sheets



Cayucos
1943
15-minute, 62500

1900 Source Sheets



San Luis
1900
30-minute, 125000

Topo Sheet Key

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

1897 Source Sheets



Cayucos
1897
15-minute, 62500

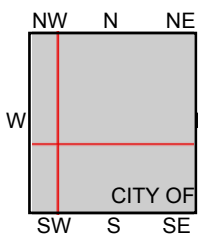


Historical Topo Map

2012



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



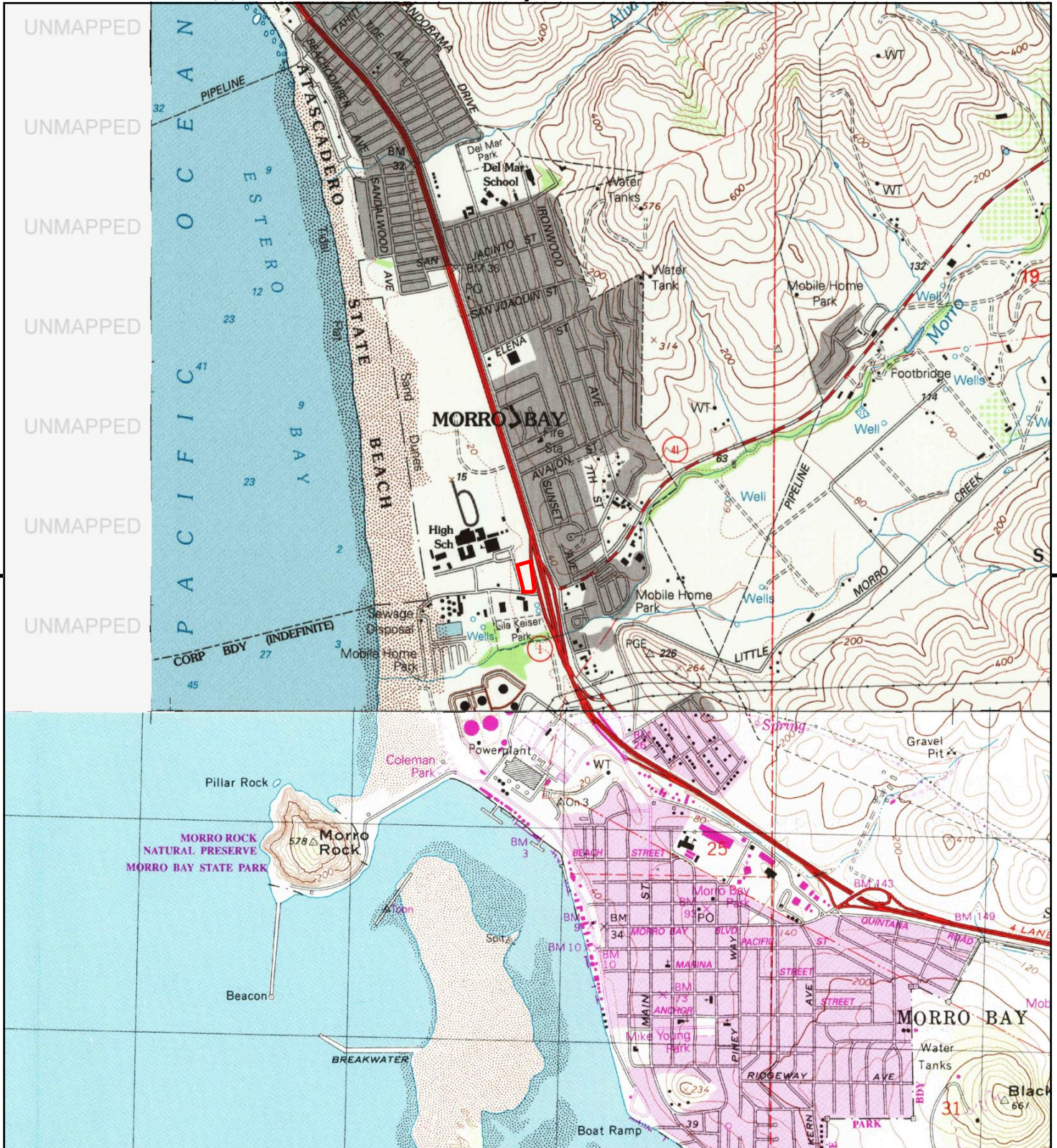
TP, Morro Bay North, 2012, 7.5-minute
SE, Morro Bay South, 2012, 7.5-minute
SW, Morro Bay South OE W, 2012, 7.5-minute
NW, Cayucos, 2012, 7.5-minute

CITY OF MORRO BAY

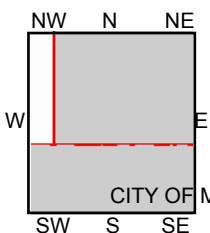
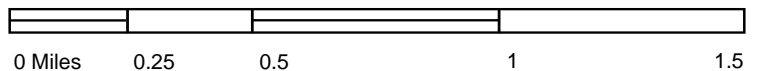
SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
CLIENT: Haro Environmental, Inc.



403



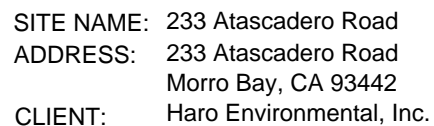
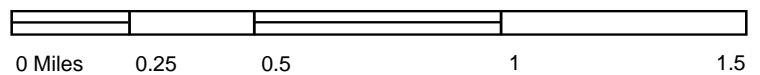
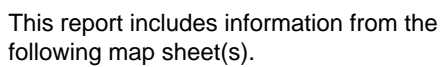
This report includes information from the following map sheet(s).



TP, Morro Bay North, 1995, 7.5-minute
S, Morro Bay South, 1998, 7.5-minute

SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
CLIENT: Haro Environmental, Inc.

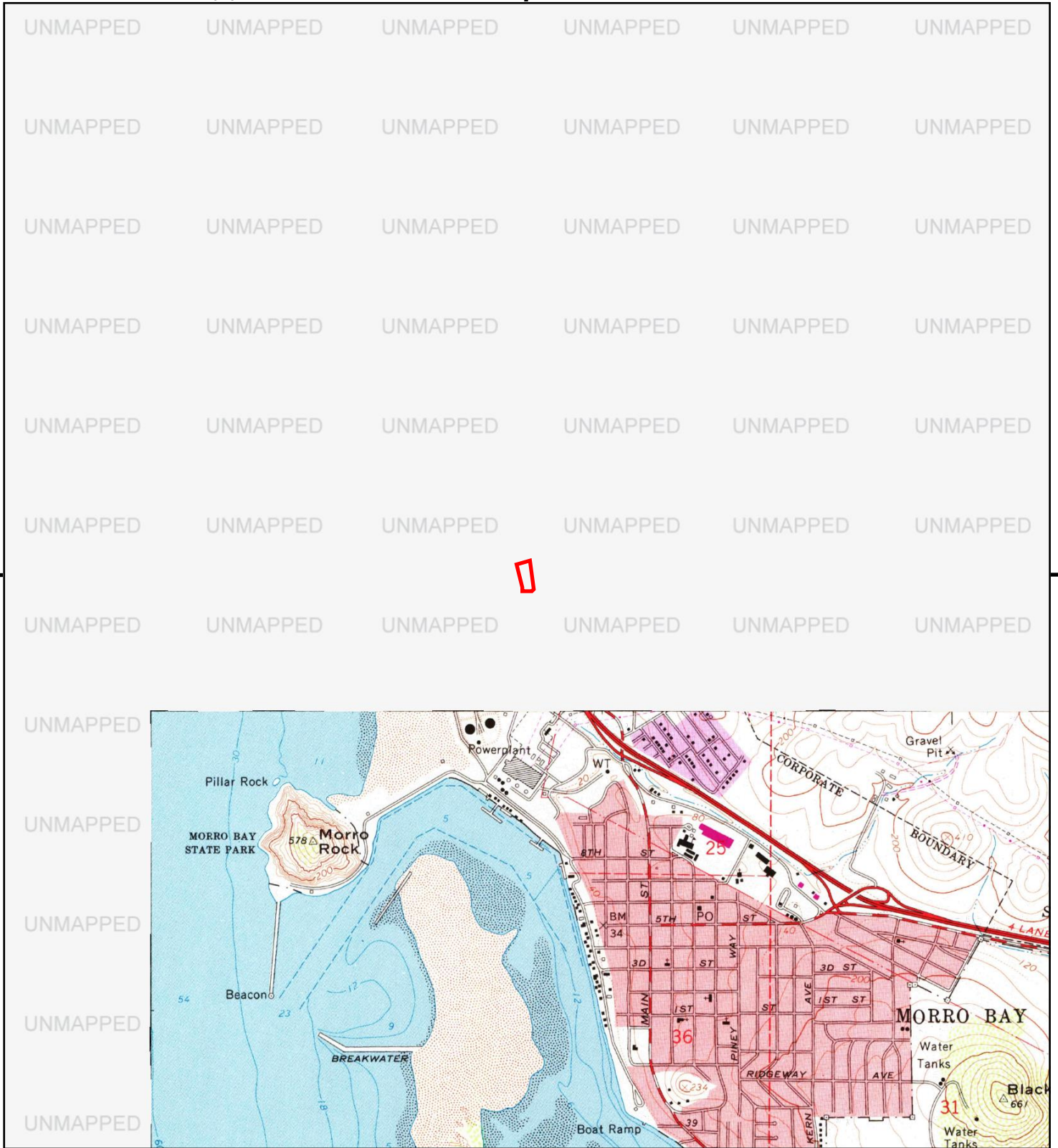




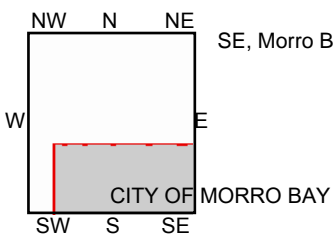
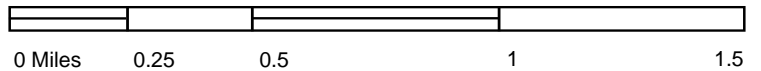


Historical Topo Map

1978



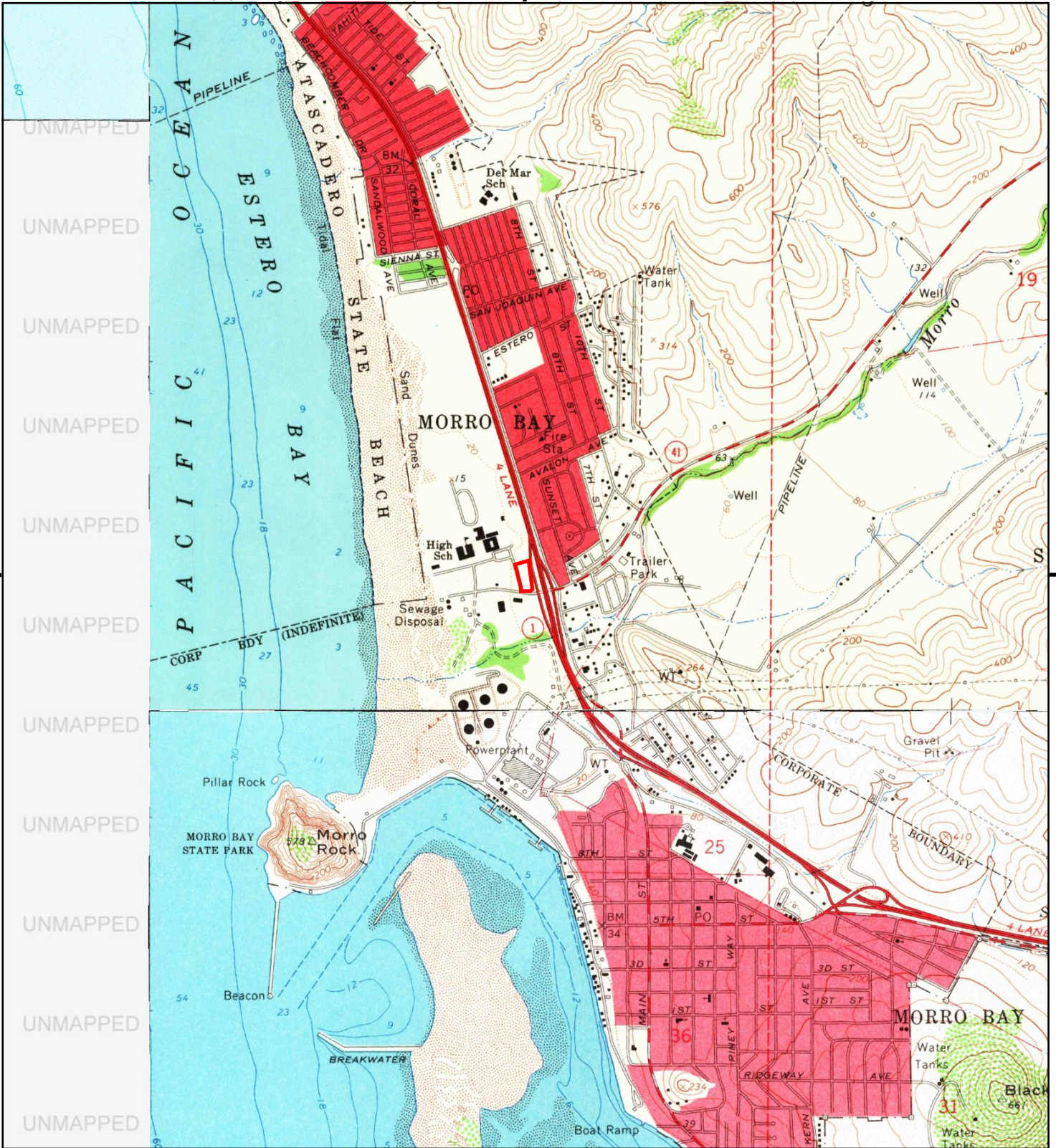
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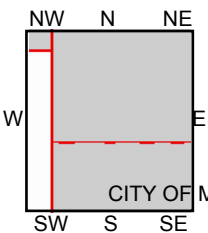
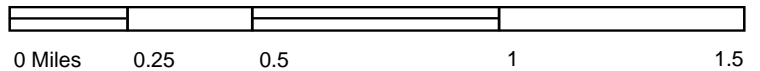
SE, Morro Bay South, 1978, 7.5-minute

SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
CLIENT: Haro Environmental, Inc.





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



TP, Morro Bay North, 1965, 7.5-minute
SE, Morro Bay South, 1965, 7.5-minute
NW, Cayucos, 1965, 7.5-minute

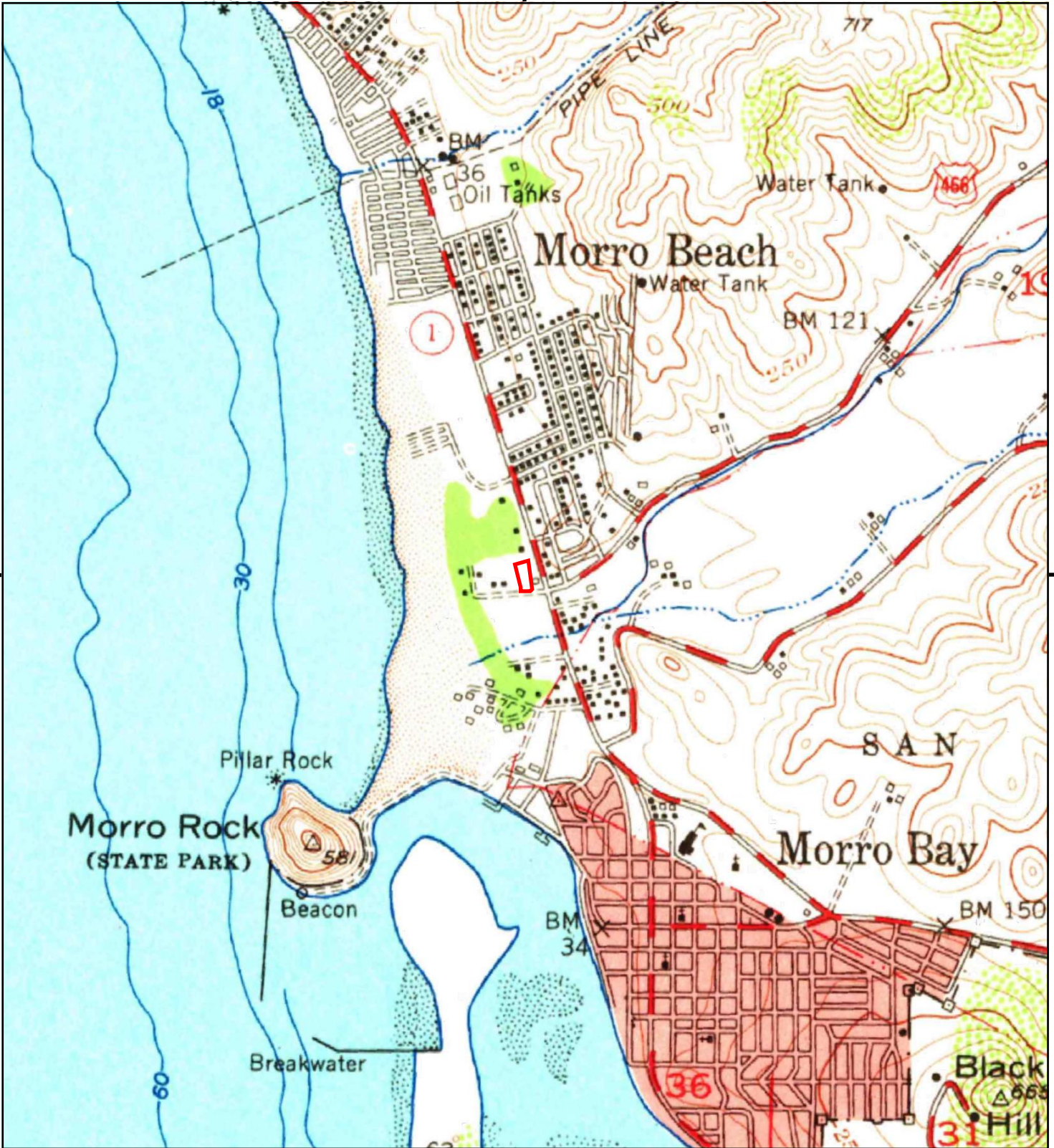
SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
CLIENT: Haro Environmental, Inc.



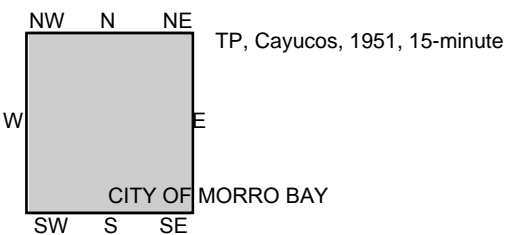


Historical Topo Map

1951



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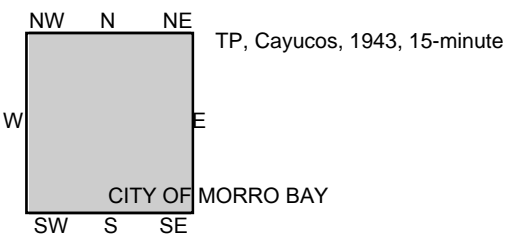
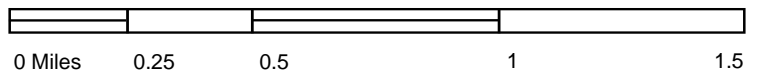


SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
CLIENT: Haro Environmental, Inc.



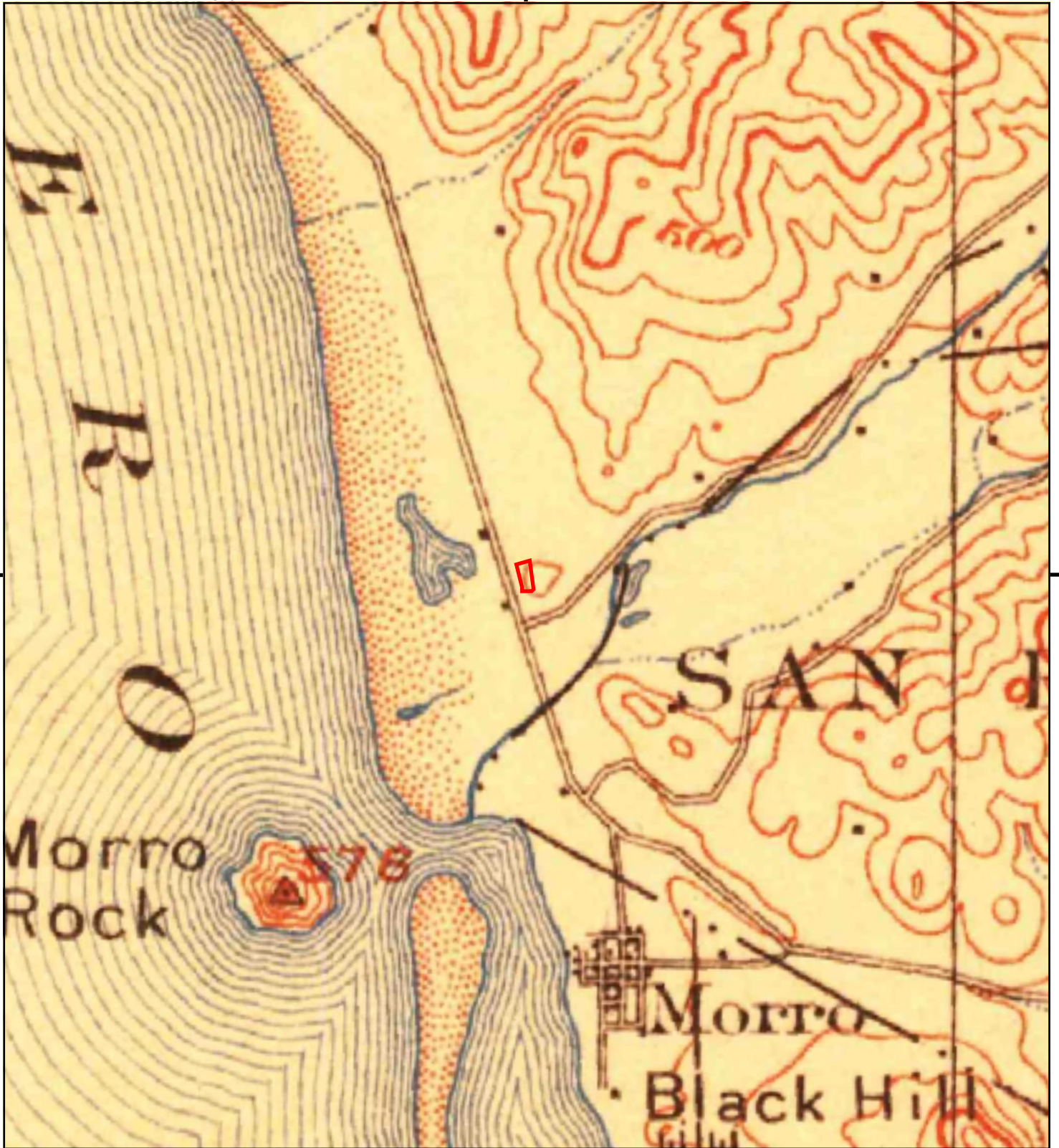


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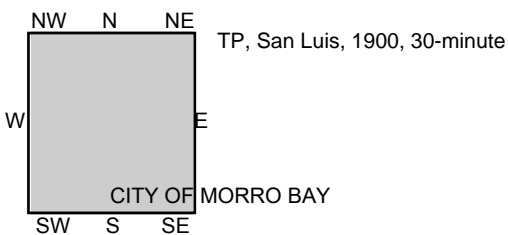
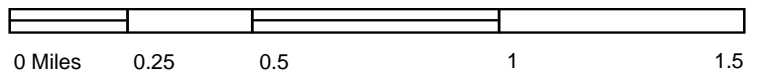


SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
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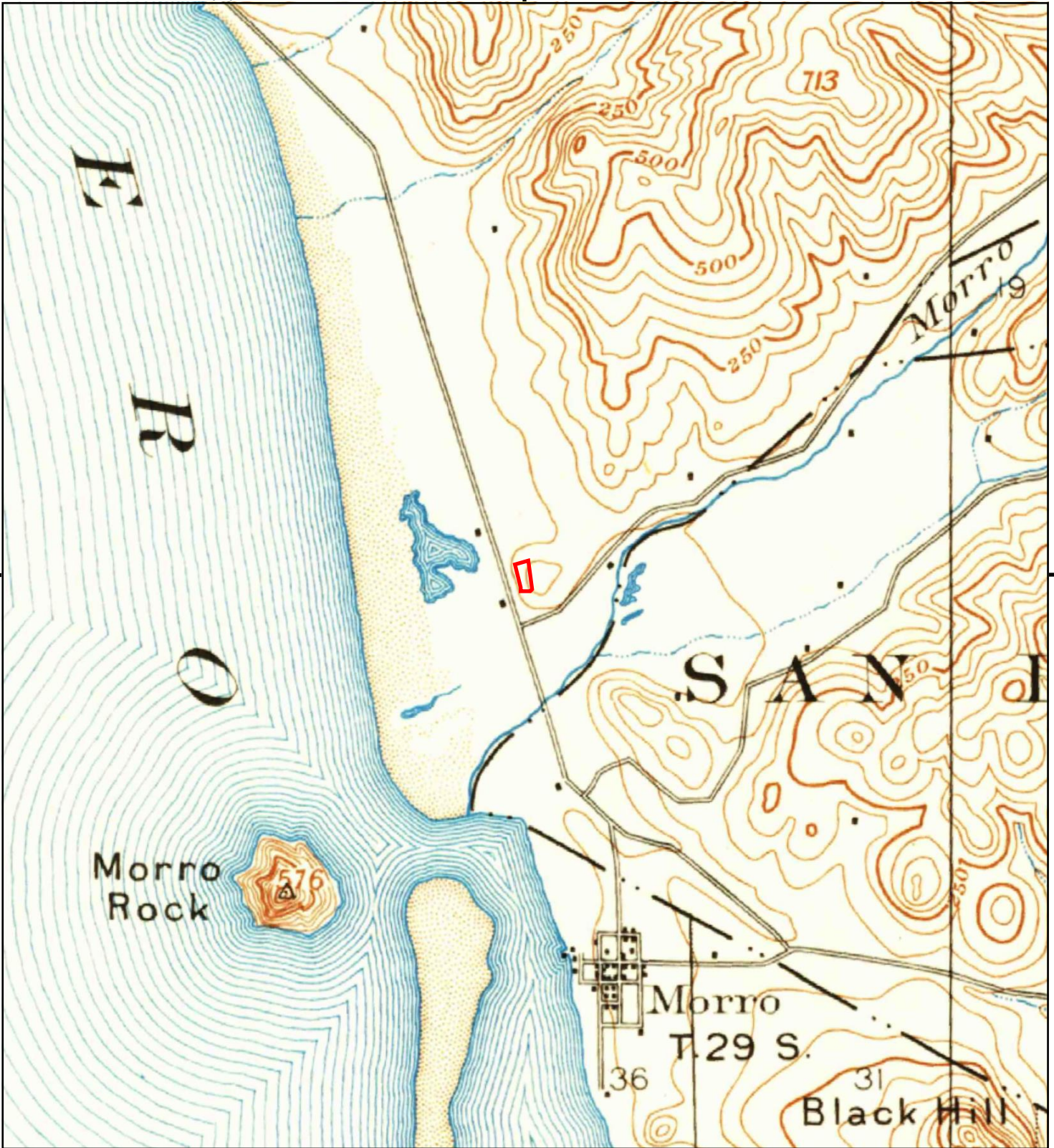


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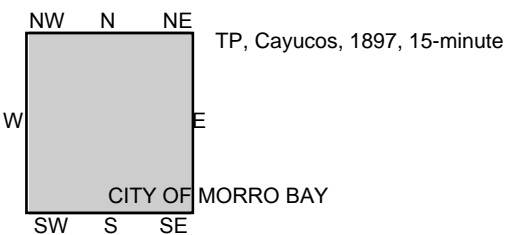
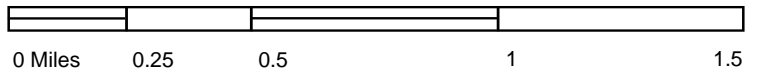


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ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
CLIENT: Haro Environmental, Inc.





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



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ADDRESS: 233 Atascadero Road
Morro Bay, CA 93442
CLIENT: Haro Environmental, Inc.





233 Atascadero Road

233 Atascadero Road

Morro Bay, CA 93442

Inquiry Number: 5105914.9

November 15, 2017

The EDR Aerial Photo Decade Package



CITY OF MORRO BAY

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

EDR Aerial Photo Decade Package

11/15/17

Site Name:

233 Atascadero Road
233 Atascadero Road
Morro Bay, CA 93442
EDR Inquiry # 5105914.9

Client Name:

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Los Osos, CA 93412
Contact: Elliot Haro



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: May 28, 1994	USGS/DOQQ
1987	1"=500'	Flight Date: January 01, 1987	USGS
1981	1"=500'	Flight Date: August 02, 1981	USDA
1976	1"=500'	Flight Date: January 01, 1976	USGS
1973	1"=500'	Flight Date: January 01, 1973	USGS
1963	1"=500'	Flight Date: January 01, 1963	USGS
1956	1"=500'	Flight Date: September 11, 1956	USGS
1949	1"=500'	Flight Date: June 04, 1949	USDA

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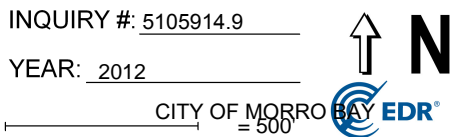
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INQUIRY #: 5105914.9

YEAR: 2012



CITY OF MORRO BAY EDR®



INQUIRY #: 5105914.9

YEAR: 2010

CITY OF MORRO BAY EDR®
= 500'

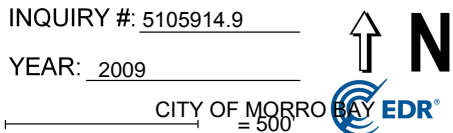




INQUIRY #: 5105914.9

YEAR: 2009

CITY OF MORRO BAY EDR®





INQUIRY #: 5105914.9

YEAR: 2006

CITY OF MORRO BAY EDR®
= 500'





INQUIRY #: 5105914.9

YEAR: 2005

CITY OF MORRO BAY EDR®
500'





INQUIRY #: 5105914.9

YEAR: 1994

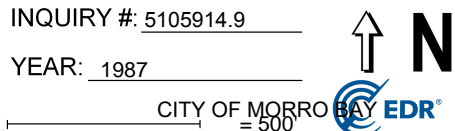




INQUIRY #: 5105914.9

YEAR: 1987

CITY OF MORRO BAY EDR®

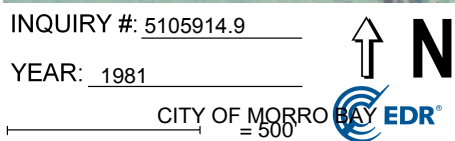


Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5105914.9

YEAR: 1981





INQUIRY #: 5105914.9

YEAR: 1976

CITY OF MORRO BAY EDR®



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



INQUIRY #: 5105914.9

YEAR: 1973

CITY OF MORRO BAY EDR®
= 500'



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

295 Atascadero Road
CASE NO. CUP19-13 / CDP19-039 / LTM19-06
DATE: December 2019



INQUIRY #: 5105914.9

YEAR: 1963

CITY OF MORRO BAY EDR®
= 500'



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



INQUIRY #: 5105914.9

YEAR: 1956



CITY OF MORRO BAY EDR®
= 500'



INQUIRY #: 5105914.9

YEAR: 1949

CITY OF MORRO BAY EDR®



233 Atascadero Road

233 Atascadero Road
Morro Bay, CA 93442

Inquiry Number: 5105914.2s
November 13, 2017

The EDR Radius Map™ Report with GeoCheck®



CITY OF MORRO BAY

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

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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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

233 ATASCADERO ROAD
MORRO BAY, CA 93442

COORDINATES

Latitude (North):	35.3808450 - 35° 22' 51.04"
Longitude (West):	120.8563520 - 120° 51' 22.86"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	694720.4
UTM Y (Meters):	3917189.8
Elevation:	29 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5629216 MORRO BAY NORTH, CA
Version Date:	2012
Southeast Map:	5603506 MORRO BAY SOUTH, CA
Version Date:	2012
Southwest Map:	5603500 MORRO BAY SOUTH OE W, CA
Version Date:	2012
Northwest Map:	5620058 CAYUCOS, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140817, 20140604
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
233 ATASCADERO ROAD
MORRO BAY, CA 93442

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CITY OF MORRO BAY	296 ATASCADERO RD	CUPA Listings	Lower	75, 0.014, South
A2	SHORELINE EXXON	290 ATASCADERO RD	EDR Hist Auto	Lower	91, 0.017, South
A3	LES EXXON	290 ATASCADERO RD	HIST UST	Lower	194, 0.037, South
B4	AUTO MEDIX	1920 MAIN ST	CUPA Listings, HAZNET	Higher	254, 0.048, NE
B5	CIRCLE K STORE #1327	1860 MAIN ST	RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	260, 0.049, East
B6	LUCKY 7 MINI MART &	1860 MAIN ST	UST	Higher	260, 0.049, East
B7	CIRCLE K SERVICE STA	1860 MAIN ST	LUST, HIST UST, HAZNET	Higher	260, 0.049, East
B8	LUCKY 7	1860 MAIN ST	EDR Hist Auto	Higher	322, 0.061, East
C9	MORRO BAY SHELL	1840 MAIN ST	UST	Higher	358, 0.068, East
C10	SHELL SERVICE STATIO	1840 MAIN/HIGHWAY 1	RCRA-SQG, SWEEPS UST, CA FID UST, FINDS, ECHO	Higher	358, 0.068, East
C11	JOHNSKI INC 4	1840 MAIN STREET	LUST, HIST UST	Higher	358, 0.068, East
C12	CHUNG STEVE	1840 MAIN ST	EDR Hist Auto	Higher	358, 0.068, East
C13	SHELL SERVICE STATIO	1840 MAIN ST	LUST, HIST UST, Cortese, CUPA Listings, ENF	Higher	358, 0.068, East
C14	91928	1798 MAIN ST	LUST, HIST UST, CUPA Listings	Higher	428, 0.081, ESE
C15	MORRO BAY CHEVRON	1798 MAIN ST	UST	Higher	428, 0.081, ESE
C16	STAFFORD ELMER C	1798 MAIN STREET	EDR Hist Auto	Higher	428, 0.081, ESE
C17	CHEVRON #91928	1798 MAIN ST	SWEEPS UST, CA FID UST, HAZNET	Higher	428, 0.081, ESE
D18		190 ATASCADERO	AST	Lower	443, 0.084, WSW
D19	WIXOM TRUCKING	190 ATASCADERO RD	AST, CUPA Listings	Lower	443, 0.084, WSW
D20		180 ATASCADERO	AST	Lower	496, 0.094, WSW
D21	HANSON AGGREGATES, M	180 ATASCADERO ROAD	CHMIRS, CUPA Listings, EMI, NPDES, WDS	Lower	496, 0.094, WSW
D22	CITY MAINTENANCE YAR	170 ATASCADERO ROAD	HIST UST, CHMIRS	Lower	559, 0.106, WSW
D23	MORRO BAY CITY CORP.	170 ATASCADERO RD	SWEEPS UST, HIST UST	Lower	559, 0.106, WSW
D24	MORRO BAY CITY CORP	170 ATASCADERO RD	CUPA Listings	Lower	559, 0.106, WSW
D25	MORRO BAY CITY- DESA	170 ATASCADERO RD	CUPA Listings, HAZNET	Lower	559, 0.106, WSW
D26	MORRO BAY CITY CORP	170 ATASCADERO RD	UST	Lower	559, 0.106, WSW
D27	MORRO BAY-CAYUCOS SA	160 ATASCADERO RD	SWEEPS UST, HIST UST, CA FID UST, ENF, HAZNET,...	Lower	616, 0.117, WSW
D28	CITY OF MORRO BAY	160 ATASCADERO RD	UST	Lower	616, 0.117, WSW
D29	WASTEWATER TREATMENT	160 ATASCADERO RD	HIST UST, CUPA Listings	Lower	616, 0.117, WSW
C30	HAYWARD LUMBER COMP	520 ATAS ROAD	HIST UST	Higher	628, 0.119, East
E31	ECOLAB TEXTILE CARE	399 ERROL ST	CUPA Listings, HAZNET	Higher	778, 0.147, ESE
E32	MISSION UNIFORM SUPP	399 ERROL ST	HIST UST	Higher	778, 0.147, ESE
F33	MORRO BAY CORP YARD	235 ATASCADERO RD	HIST UST, CUPA Listings, NPDES, WDS	Lower	928, 0.176, NW
F34	SAN LUIS COASTAL U S	235 ATASCADERO RD	HIST UST, HAZNET	Lower	928, 0.176, NW
F35	MORRO BAY CORPORATIO	235 ATASCADERO RD	HIST UST	Lower	928, 0.176, NW
36	ASSOC. PACIFIC CONST	1612 MAIN ST	CUPA Listings	Lower	930, 0.176, SE
G37	CENTRAL COAST SEAFOO	2170 N MAIN ST	HIST UST	Higher	1056, 0.200, North
H38	PACIFIC BELL	301 PRESTON LANE	RCRA-SQG, FINDS, ECHO	Lower	1088, 0.206, SSE
H39	MORRO BAY RV & MARIN	1598 MAIN ST	CUPA Listings	Lower	1159, 0.220, SSE

MAPPED SITES SUMMARY

Target Property Address:
233 ATASCADERO ROAD
MORRO BAY, CA 93442

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	ERIC'S MUFFLER & WEL	2190 MAIN ST B	CUPA Listings	Higher	1186, 0.225, North
G41	SHORTY & SON AUTO SE	2190 MAIN ST	CUPA Listings	Higher	1186, 0.225, North
42	CITY OF MORRO BAY	1 QUINTANA RD	UST	Higher	1190, 0.225, SE
43	CITY OF MORRO BAY WW		Notify 65	Lower	1495, 0.283, WSW
44	CENTRAL COAST SEAFOO	FRONT & BEACH ST	LUST	Higher	1536, 0.291, SE
I45	SMALL ARMS/HIGH EXPL		UXO	Lower	2939, 0.557, SW
I46	AMPHIBIOUS TRAINING		FUDS	Lower	2939, 0.557, SW
I47	MORRO BAY AMPHIBIOUS		ENVIROSTOR	Lower	2940, 0.557, SW
J48	PG&E, MORRO BAY POWE	1290 EMBARCADERO, PO	Toxic Pits	Lower	3173, 0.601, South
J49	DYNEGY MORRO BAY LLC	1290 EMBARCADERO RD	ENVIROSTOR, SLIC, AST, HIST UST, CUPA Listings,...	Lower	3173, 0.601, South
J50	DYNEGY MORRO BAY LLC	1290 EMBARCADERO RD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, 2020	Lower	3173, 0.601, South
51	KEN'S FURNITURE & RE	1312 MAIN STREET	Notify 65	Higher	3339, 0.632, SSE
52	CORDERO WINSTON CO.	1235 EMBARCADERO	Notify 65	Lower	3430, 0.650, South
53	CHEVRON	1111 MAIN ST	LUST, SWEEPS UST, CUPA Listings, HIST CORTESE,...	Higher	4344, 0.823, SSE
54	NAVAL SECTION BASE		ENVIROSTOR	Higher	4696, 0.889, 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 non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

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

SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

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 Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

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

US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing

EXECUTIVE SUMMARY

LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
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
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM..... EPA Fuels Program Registered Listing
CA BOND EXP. PLAN..... Bond Expenditure Plan
DRYCLEANERS..... Cleaner Facilities
EMI..... Emissions Inventory Data
ENF..... Enforcement Action Listing
Financial Assurance..... Financial Assurance Information Listing
HAZNET..... Facility and Manifest Data

EXECUTIVE SUMMARY

ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
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
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historic Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DYNEGY MORRO BAY LLC	1290 EMBARCADERO RD	S 1/2 - 1 (0.601 mi.)	J50	150

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 09/13/2017 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CIRCLE K STORE #1327	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B5	10
SHELL SERVICE STATIO	1840 MAIN/HIGHWAY 1	E 0 - 1/8 (0.068 mi.)	C10	19
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC BELL	301 PRESTON LANE	SSE 1/8 - 1/4 (0.206 mi.)	H38	99

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/31/2017 has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NAVAL SECTION BASE Facility Id: 80000760 Status: Inactive - Needs Evaluation		ESE 1/2 - 1 (0.889 mi.)	54	277
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MORRO BAY AMPHIBIOUS Facility Id: 80000718 Status: Inactive - Needs Evaluation		SW 1/2 - 1 (0.557 mi.)	I47	105
DYNEGY MORRO BAY LLC	1290 EMBARCADERO RD	S 1/2 - 1 (0.601 mi.)	J49	107

EXECUTIVE SUMMARY

Facility Id: 40490006
Facility Id: 80001832
Status: Refer: RCRA
Status: Active

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CIRCLE K STORE #1327 Database: LUST, Date of Government Version: 09/11/2017 Status: Completed - Case Closed Global Id: T0607900094	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B5	10
CIRCLE K SERVICE STA Database: LUST REG 3, Date of Government Version: 05/19/2003 Status: Case Closed Global ID: T0607900094	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B7	16
JOHNSKI INC 4 Database: LUST REG 3, Date of Government Version: 05/19/2003 Status: Remedial action (cleanup) Underway Global ID: T0607900101	1840 MAIN STREET	E 0 - 1/8 (0.068 mi.)	C11	22
SHELL SERVICE STATIO Database: LUST, Date of Government Version: 09/11/2017 Status: Completed - Case Closed Global Id: T0607900101	1840 MAIN ST	E 0 - 1/8 (0.068 mi.)	C13	24
91928 Database: LUST, Date of Government Version: 09/11/2017 Status: Completed - Case Closed Global Id: T0607926253	1798 MAIN ST	ESE 0 - 1/8 (0.081 mi.)	C14	37
CENTRAL COAST SEAFOO Database: LUST, Date of Government Version: 09/11/2017 Status: Completed - Case Closed Global Id: T0607900130	FRONT & BEACH ST	SE 1/4 - 1/2 (0.291 mi.)	44	103

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, has revealed that there are 6 UST sites within

EXECUTIVE SUMMARY

approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LUCKY 7 MINI MART & Database: UST, Date of Government Version: 09/11/2017 Facility Id: FA0000029	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B6	15
MORRO BAY SHELL Database: UST, Date of Government Version: 09/11/2017 Facility Id: FA0000607	1840 MAIN ST	E 0 - 1/8 (0.068 mi.)	C9	18
MORRO BAY CHEVRON Database: UST, Date of Government Version: 09/11/2017 Facility Id: FA0002608	1798 MAIN ST	ESE 0 - 1/8 (0.081 mi.)	C15	41
CITY OF MORRO BAY Database: UST, Date of Government Version: 09/11/2017 Facility Id: FA0002943	1 QUINTANA RD	SE 1/8 - 1/4 (0.225 mi.)	42	102

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MORRO BAY CITY CORP Database: UST, Date of Government Version: 09/11/2017	170 ATASCADERO RD	WSW 0 - 1/8 (0.106 mi.)	D26	65
CITY OF MORRO BAY Database: UST, Date of Government Version: 09/11/2017 Facility Id: FA0002942	160 ATASCADERO RD	WSW 0 - 1/8 (0.117 mi.)	D28	86

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	190 ATASCADERO	WSW 0 - 1/8 (0.084 mi.)	D18	45
WIXOM TRUCKING	190 ATASCADERO RD	WSW 0 - 1/8 (0.084 mi.)	D19	46
Not reported	180 ATASCADERO	WSW 0 - 1/8 (0.094 mi.)	D20	47

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PG&E, MORRO BAY POWE Closure Date: 03/28/90	1290 EMBARCADERO, PO	S 1/2 - 1 (0.601 mi.)	J48	106

EXECUTIVE SUMMARY

Task #: 03006
Status: ACTIVE

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 are 5 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CIRCLE K STORE #1327 Status: A Tank Status: A Comp Number: 12601	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B5	10
SHELL SERVICE STATIO Status: A Tank Status: A Comp Number: 20903	1840 MAIN/HIGHWAY 1	E 0 - 1/8 (0.068 mi.)	C10	19
CHEVRON #91928 Status: A Tank Status: A Comp Number: 12303	1798 MAIN ST	ESE 0 - 1/8 (0.081 mi.)	C17	43
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MORRO BAY CITY CORP. Status: A Tank Status: A Comp Number: 23101	170 ATASCADERO RD	WSW 0 - 1/8 (0.106 mi.)	D23	61
MORRO BAY-CAYUCOS SA Status: A Tank Status: A Comp Number: 23102	160 ATASCADERO RD	WSW 0 - 1/8 (0.117 mi.)	D27	65

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 16 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CIRCLE K STORE #1327 Facility Id: 00000013778	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B5	10
CIRCLE K SERVICE STA	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B7	16
JOHNSKI INC 4	1840 MAIN STREET	E 0 - 1/8 (0.068 mi.)	C11	22
SHELL SERVICE STATIO	1840 MAIN ST	E 0 - 1/8 (0.068 mi.)	C13	24

EXECUTIVE SUMMARY

Facility Id: 00000066674				
91928	1798 MAIN ST	ESE 0 - 1/8 (0.081 mi.)	C14	37
Facility Id: 00000062170				
HAYWARD LUMBER COMP	520 ATAS ROAD	E 0 - 1/8 (0.119 mi.)	C30	88
Facility Id: 00000028291				
MISSION UNIFORM SUPP	399 ERROL ST	ESE 1/8 - 1/4 (0.147 mi.)	E32	90
Facility Id: 00000017765				
CENTRAL COAST SEAFOO	2170 N MAIN ST	N 1/8 - 1/4 (0.200 mi.)	G37	98
Facility Id: 00000019411				
Lower Elevation	Address	Direction / Distance	Map ID	Page
LES EXXON	290 ATASCADERO RD	S 0 - 1/8 (0.037 mi.)	A3	8
Facility Id: 00000001039				
CITY MAINTENANCE YAR	170 ATASCADERO ROAD	WSW 0 - 1/8 (0.106 mi.)	D22	60
MORRO BAY CITY CORP.	170 ATASCADERO RD	WSW 0 - 1/8 (0.106 mi.)	D23	61
Facility Id: 00000063515				
MORRO BAY-CAYUCOS SA	160 ATASCADERO RD	WSW 0 - 1/8 (0.117 mi.)	D27	65
WASTEWATER TREATMENT	160 ATASCADERO RD	WSW 0 - 1/8 (0.117 mi.)	D29	86
Facility Id: 00000063514				
MORRO BAY CORP YARD	235 ATASCADERO RD	NW 1/8 - 1/4 (0.176 mi.)	F33	91
Facility Id: 00000065479				
Facility Id: 00000032399				
SAN LUIS COASTAL U S	235 ATASCADERO RD	NW 1/8 - 1/4 (0.176 mi.)	F34	96
MORRO BAY CORPORATIO	235 ATASCADERO RD	NW 1/8 - 1/4 (0.176 mi.)	F35	97
Facility Id: 00000032400				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 4 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #1327	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B5	10
Facility Id: 40000539				
Status: A				
SHELL SERVICE STATIO	1840 MAIN/HIGHWAY 1	E 0 - 1/8 (0.068 mi.)	C10	19
Facility Id: 40000491				
Status: A				
CHEVRON #91928	1798 MAIN ST	ESE 0 - 1/8 (0.081 mi.)	C17	43
Facility Id: 40000377				
Status: A				
Lower Elevation	Address	Direction / Distance	Map ID	Page
MORRO BAY-CAYUCOS SA	160 ATASCADERO RD	WSW 0 - 1/8 (0.117 mi.)	D27	65
Facility Id: 40001672				
Status: A				

EXECUTIVE SUMMARY

Other Ascertainable Records

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 01/31/2015 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMPHIBIOUS TRAINING		SW 1/2 - 1 (0.557 mi.)	I46	104

UXO: A listing of unexploded ordnance site locations

A review of the UXO list, as provided by EDR, and dated 10/25/2016 has revealed that there is 1 UXO site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SMALL ARMS/HIGH EXPL		SW 1/2 - 1 (0.557 mi.)	I45	104

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 09/21/2017 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERVICE STATIO	1840 MAIN ST	E 0 - 1/8 (0.068 mi.)	C13	24

CUPA Listings: 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.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 16 CUPA Listings sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AUTO MEDIX Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017 Facility Id: FA0005569 Status: Inactive, non-billable	1920 MAIN ST	NE 0 - 1/8 (0.048 mi.)	B4	9
CIRCLE K STORE #1327 Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017 Facility Id: FA0000029 Status: Active, billable Status: Inactive, non-billable	1860 MAIN ST	E 0 - 1/8 (0.049 mi.)	B5	10
SHELL SERVICE STATIO Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017	1840 MAIN ST	E 0 - 1/8 (0.068 mi.)	C13	24

EXECUTIVE SUMMARY

Facility Id: FA0000607
Status: Inactive, non-billable

91928 **1798 MAIN ST** **ESE 0 - 1/8 (0.081 mi.)** **C14** **37**

Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0002608
Status: Active, billable

ECOLAB TEXTILE CARE **399 ERROL ST** **ESE 1/8 - 1/4 (0.147 mi.)** **E31** **89**

Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0001601
Status: Active, billable
Status: Inactive, non-billable

ERIC'S MUFFLER & WEL **2190 MAIN ST B** **N 1/8 - 1/4 (0.225 mi.)** **G40** **101**

Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0001605
Status: Inactive, non-billable
Status: Active, billable

SHORTY & SON AUTO SE **2190 MAIN ST** **N 1/8 - 1/4 (0.225 mi.)** **G41** **102**

Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0002178
Status: Active, exempt from billing
Status: Active, billable

Lower Elevation	Address	Direction / Distance	Map ID	Page
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CITY OF MORRO BAY	296 ATASCADERO RD	S 0 - 1/8 (0.014 mi.)	A1	8
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Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0001832
Status: Inactive, non-billable

WIXOM TRUCKING	190 ATASCADERO RD	WSW 0 - 1/8 (0.084 mi.)	D19	46
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Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0002269
Status: Inactive, non-billable

HANSON AGGREGATES, M	180 ATASCADERO ROAD	WSW 0 - 1/8 (0.094 mi.)	D21	48
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Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0002172
Status: Inactive, non-billable
Status: Active, billable

MORRO BAY CITY CORP	170 ATASCADERO RD	WSW 0 - 1/8 (0.106 mi.)	D24	63
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Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0002941
Status: Inactive, non-billable
Status: Active, billable

MORRO BAY CITY- DESA	170 ATASCADERO RD	WSW 0 - 1/8 (0.106 mi.)	D25	64
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Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0007552
Status: Inactive, non-billable

WASTEWATER TREATMENT	160 ATASCADERO RD	WSW 0 - 1/8 (0.117 mi.)	D29	86
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Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017
Facility Id: FA0002942
Facility Id: FA0005440
Status: Inactive, non-billable
Status: Active, billable

EXECUTIVE SUMMARY

Status: Active, exempt from billing

MORRO BAY CORP YARD **235 ATASCADERO RD** **NW 1/8 - 1/4 (0.176 mi.)** **F33** **91**

Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017

Facility Id: FA0003944

Status: Inactive, non-billable

Status: Active, billable

ASSOC. PACIFIC CONST **1612 MAIN ST** **SE 1/8 - 1/4 (0.176 mi.)** **36** **98**

Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017

Facility Id: FA0002177

Status: Inactive, non-billable

Status: Active, billable

MORRO BAY RV & MARIN **1598 MAIN ST** **SSE 1/8 - 1/4 (0.220 mi.)** **H39** **101**

Database: CUPA SAN LUIS OBISPO, Date of Government Version: 08/18/2017

Facility Id: FA0002316

Status: Inactive, non-billable

Status: Active, billable

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

A review of the HWP list, as provided by EDR, and dated 08/21/2017 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DYNEGY MORRO BAY LLC EPA Id: CAT080011646 Cleanup Status: CLOSED	1290 EMBARCADERO RD	S 1/2 - 1 (0.601 mi.)	J49	107

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 06/16/2017 has revealed that there are 4 Notify 65 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KEN'S FURNITURE & RE CHEVRON	1312 MAIN STREET 1111 MAIN ST	SSE 1/2 - 1 (0.632 mi.) SSE 1/2 - 1 (0.823 mi.)	51 53	272 272
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY OF MORRO BAY WW CORDERO WINSTON CO.	1235 EMBARCADERO	WSW 1/4 - 1/2 (0.283 mi.) S 1/2 - 1 (0.650 mi.)	43 52	102 272

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 4 EDR Hist Auto sites within approximately 0.125 miles of the target property.

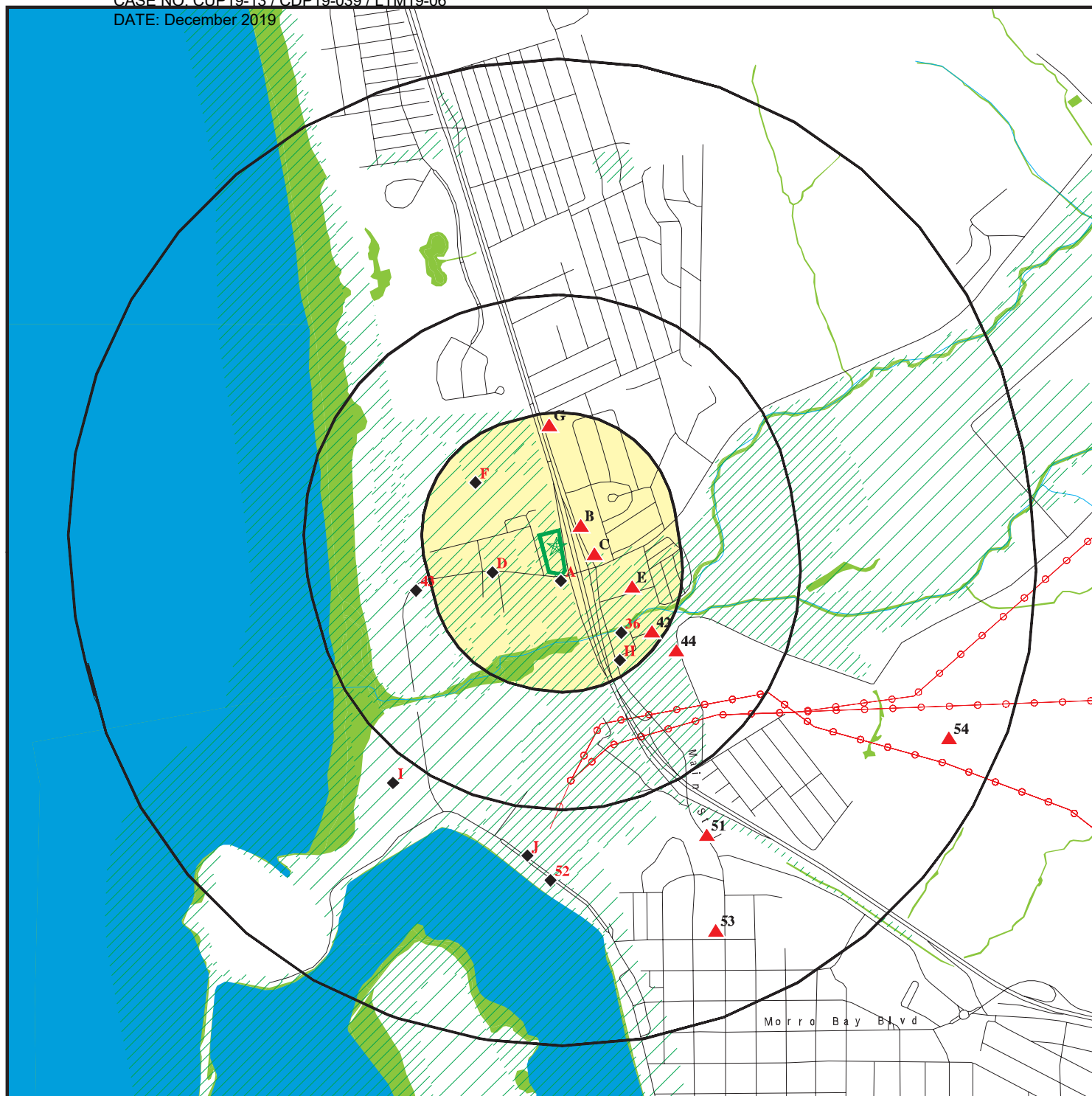
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LUCKY 7	1860 MAIN ST	E 0 - 1/8 (0.061 mi.)	B8	18
CHUNG STEVE	1840 MAIN ST	E 0 - 1/8 (0.068 mi.)	C12	23
STAFFORD ELMER C	1798 MAIN STREET	ESE 0 - 1/8 (0.081 mi.)	C16	42
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHORELINE EXXON	290 ATASCADERO RD	S 0 - 1/8 (0.017 mi.)	A2	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
MORRO BAY DISPOSAL SITE	ENVIROSTOR

OVERVIEW MAP - 5105914.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern

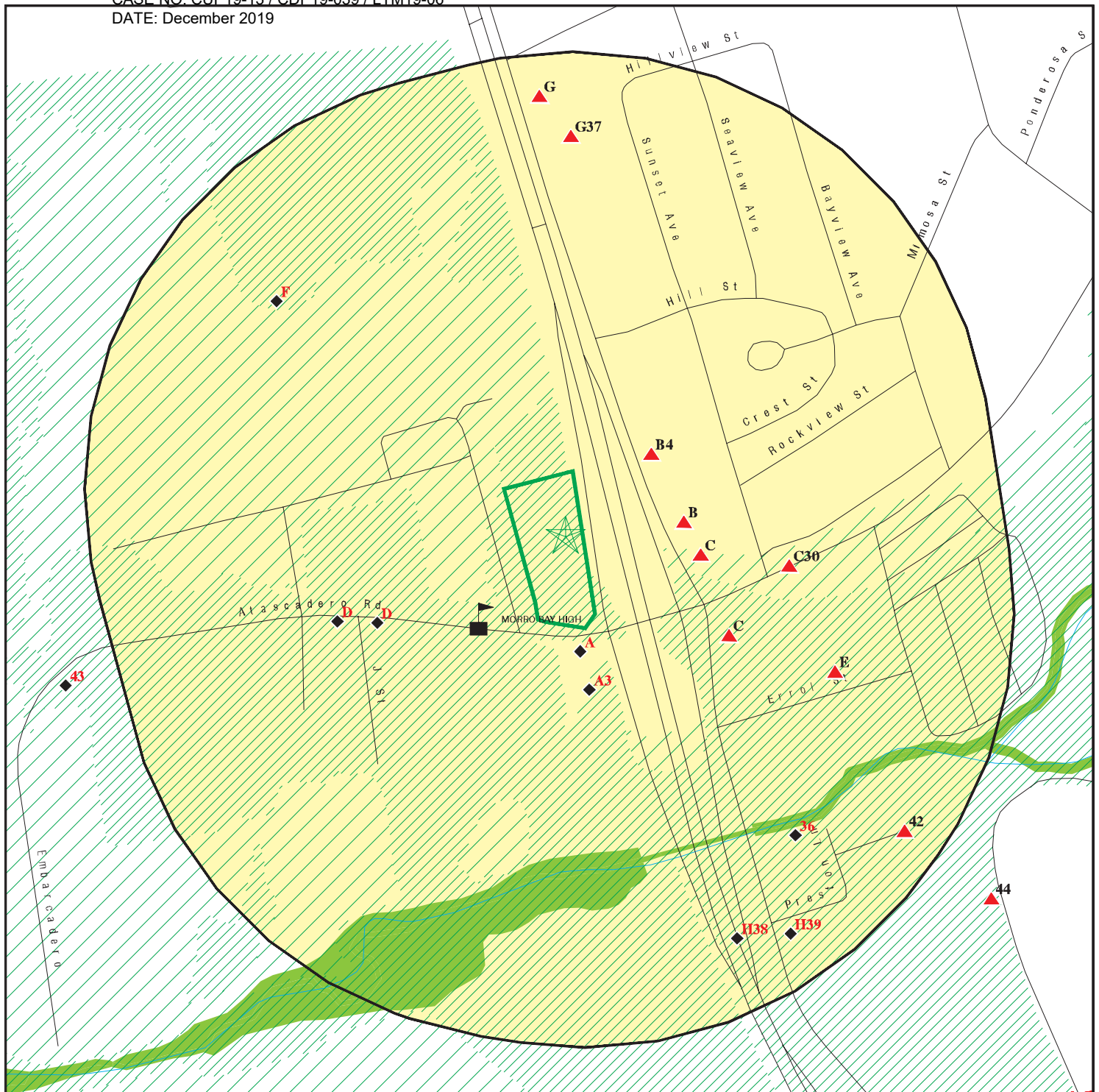
0 1/4 1/2 1 Miles

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: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
CITY: Morro Bay, CA 93442
LAT/LONG: 35.380845 / 120.856352

CLIENT: Haro Environmental, Inc.
CONTACT: Elliot Haro
INQUIRY #: 5105914.2s
DATE: November 13, 2017 3:22 pm

DETAIL MAP - 5105914.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- 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: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
CITY: Morro Bay, CA 93442
LAT/LONG: 35.380845 / 120.856352

CLIENT: Haro Environmental, Inc.
CONTACT: Elliot Haro
INQUIRY #: 5105914.2s
DATE: November 13, 2017 3:26 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	1	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	0	3	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		5	0	1	NR	NR	6

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
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		5	1	NR	NR	NR	6
AST	0.250		3	0	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	1	NR	1
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		5	0	NR	NR	NR	5
HIST UST	0.250		11	5	NR	NR	NR	16
CA FID UST	0.250		4	0	NR	NR	NR	4
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

DATE: December 2019

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
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	1	NR	1
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	0	NR	NR	1
CUPA Listings	0.250		10	6	NR	NR	NR	16
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0

DATE: December 2019

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
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	1	3	NR	4
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		4	NR	NR	NR	NR	4
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	50	13	2	11	0	76
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A1 South < 1/8 0.014 mi. 75 ft.	CITY OF MORRO BAY 296 ATASCADERO RD MORRO BAY, CA 93442 Site 1 of 3 in cluster A	CUPA Listings	S110743621 N/A
---	---	----------------------	---------------------------------

Relative: Lower	CUPA SAN LUIS OBISPO: Facility Id: FA0001832 Program Element Code: 0705 Program Element: STATE SITE SURCHARGE Record Id: PR0006607 Cross Street: Not reported Status Code: 02 Status: Inactive, non-billable Latitude: 35.37940 Longitude: -120.85588
Actual: 27 ft.	Facility Id: FA0001832 Program Element Code: 0726 Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS Record Id: PR0001832 Cross Street: Not reported Status Code: 02 Status: Inactive, non-billable Latitude: 35.37940 Longitude: -120.85588

A2 South < 1/8 0.017 mi. 91 ft.	SHORELINE EXXON 290 ATASCADERO RD MORRO BAY, CA 93442 Site 2 of 3 in cluster A	EDR Hist Auto	1020868503 N/A
---	---	----------------------	---------------------------------

Relative: Lower	EDR Hist Auto Year: 1988 Name: SHORELINE EXXON Type: Gasoline Service Stations
Actual: 27 ft.	

A3 South < 1/8 0.037 mi. 194 ft.	LES EXXON 290 ATASCADERO RD MORRO BAY, CA 93442 Site 3 of 3 in cluster A	HIST UST	U001585667 N/A
--	---	-----------------	---------------------------------

Relative: Lower	HIST UST: File Number: 0002B8F6 URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B8F6.pdf Region: STATE Facility ID: 00000001039 Facility Type: Gas Station Other Type: Not reported Contact Name: OWNER Telephone: 8057723609 Owner Name: LESTER P. AGOURE Owner Address: 1155 LAS. TUNAS ST Owner City,St,Zip: MORRO BAY, CA 93442 Total Tanks: 0004
Actual: 27 ft.	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LES EXXON (Continued)

U001585667

Tank Num: 001
Container Num: 1
Year Installed: 1969
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4"
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1969
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4"
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1969
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4"
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1979
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4"
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

B4
NE
< 1/8
0.048 mi.
254 ft.

AUTO MEDIX
1920 MAIN ST
MORRO BAY, CA 93442

Site 1 of 5 in cluster B

CUPA Listings **S113089617**
HAZNET **N/A**

Relative:
Higher

CUPA SAN LUIS OBISPO:
Facility Id: FA0005569
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0008566
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: Not reported
Longitude: Not reported

Actual:
41 ft.

Facility Id: FA0005569
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO MEDIX (Continued)

S113089617

Record Id: PR0008565
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: Not reported
Longitude: Not reported

HAZNET:

envid: S113089617
Year: 1999
GEPAID: CAL000170691
Contact: RICHARD SAMS
Telephone: 8057724455
Mailing Name: Not reported
Mailing Address: 1920 MAIN ST
Mailing City,St,Zip: MORRO BAY, CA 934420000
Gen County: Not reported
TSD EPA ID: CAD982446858
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .1251
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

B5
East
< 1/8
0.049 mi.
260 ft.
Site 2 of 5 in cluster B

Relative:
Higher

Actual:
39 ft.

RCRA-SQG:
Date form received by agency: 12/19/1996
Facility name: CIRCLE K STORE #1327
Facility address: 1860 MAIN ST
MORRO BAY, CA 93442
EPA ID: CAD981682008
Contact: HEATHER SMITH
Contact address: 601 UNION ST STE THIRD THOUSAN
SEATTLE, WA 98101
Contact country: US
Contact telephone: 206-442-7378
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CIRCLE K CORP

RCRA-SQG
LUST
SWEEPS UST
HIST UST
CA FID UST
FINDS
ECHO
CUPA Listings

1000174218
CAD981682008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K STORE #1327 (Continued)

1000174218

Owner/operator address: 3003 N CENTRAL AVE
PHOENIX, AZ 85012
Owner/operator country: Not reported
Owner/operator telephone: 602-437-0600
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: CIRCLE K STORE #1327
Classification: Small Quantity Generator

Violation Status: No violations found

LUST:

Lead Agency: SAN LUIS OBISPO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607900094
Global Id: T0607900094
Latitude: 35.380977
Longitude: -120.855027
Status: Completed - Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K STORE #1327 (Continued)

1000174218

Status Date: 07/31/1998
Case Worker: LG
RB Case Number: 2945
Local Agency: SAN LUIS OBISPO COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0607900094
Contact Type: Local Agency Caseworker
Contact Name: Linnea Grossman
Organization Name: SAN LUIS OBISPO COUNTY
Address: PO BOX 1489
City: SAN LUIS OBISPO
Email: lgrossman@co.slo.ca.us
Phone Number: 8057815544

LUST:

Global Id: T0607900094
Action Type: Other
Date: 03/31/1998
Action: Leak Reported

Global Id: T0607900094
Action Type: Other
Date: 03/31/1998
Action: Leak Discovery

Global Id: T0607900094
Action Type: Other
Date: 03/31/1998
Action: Leak Stopped

LUST:

Global Id: T0607900094
Status: Completed - Case Closed
Status Date: 07/31/1998

Global Id: T0607900094
Status: Open - Case Begin Date
Status Date: 03/03/1998

Global Id: T0607900094
Status: Open - Site Assessment
Status Date: 03/03/1998

SWEEPS UST:

Status: Active
Comp Number: 12601
Number: 9
Board Of Equalization: Not reported
Referral Date: 04-27-93

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K STORE #1327 (Continued)

1000174218

Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 40-000-012601-000001
Tank Status: A
Capacity: 8000
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Status: Active
Comp Number: 12601
Number: 9
Board Of Equalization: Not reported
Referral Date: 04-27-93
Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 40-000-012601-000002
Tank Status: A
Capacity: 8000
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12601
Number: 9
Board Of Equalization: Not reported
Referral Date: 04-27-93
Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 40-000-012601-000003
Tank Status: A
Capacity: 8000
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000013778
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JIM CHADWICK
Telephone: 8057723800
Owner Name: CIRCLE K CORPORATION
Owner Address: 4500 SOUTH 40TH STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K STORE #1327 (Continued)

1000174218

Owner City,St,Zip: PHOENIX, AZ 85040
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
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: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

CA FID UST:

Facility ID: 40000539
Regulated By: UTNKA
Regulated ID: 00013778
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8057723800
Mail To: Not reported
Mailing Address: 1860 MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: MORRO BAY 93442
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:

Registry ID: 110002750274

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource
Conservation and Recovery Act (RCRA) program through the tracking of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K STORE #1327 (Continued)

1000174218

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: 1000174218
Registry ID: 110002750274
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002750274>

CUPA SAN LUIS OBISPO:

Facility Id: FA0000029
Program Element Code: 0301
Program Element: UST FACILITY ANNUAL PERMIT
Record Id: PR0002655
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.38102
Longitude: 120.85504

Facility Id: FA0000029
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0006405
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.38102
Longitude: 120.85504

Facility Id: FA0000029
Program Element Code: 0726
Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0001963
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.38102
Longitude: 120.85504

B6
East
< 1/8
0.049 mi.
260 ft.
LUCKY 7 MINI MART & GAS, INC.
1860 MAIN ST
MORRO BAY, CA 93442
Site 3 of 5 in cluster B

UST **U003895422**
N/A

Relative: **UST:**
Higher Facility ID: Not reported
Permitting Agency: San Luis Obispo County Environmental Health
Actual: Latitude: 35.38098
39 ft. Longitude: -120.85502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUCKY 7 MINI MART & GAS, INC. (Continued)

U003895422

Facility ID: FA0000029
Permitting Agency: SAN LUIS OBISPO COUNTY
Latitude: 35.382328
Longitude: -120.853672

**B7
East
< 1/8
0.049 mi.
260 ft.**

**CIRCLE K SERVICE STATION
1860 MAIN ST
MORRO BAY, CA 93430
Site 4 of 5 in cluster B**

**LUST S103291619
HIST UST N/A
HAZNET**

**Relative:
Higher**

LUST REG 3:

**Actual:
39 ft.**

Region: 3
Regional Board: Central Coast Region
Facility County: San Luis Obispo
Global ID: T0607900094
Status: Case Closed
Case Number: 2945
Local Case Num: Not reported
Case Type: U
Substance: Unleaded Gasoline
Quantity: Not reported
Abatement Method: Unknown - action taken at site is unknown
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 03/31/1998
Discovered Date: 3/31/98
Enter Date: 06/23/1998
Stop Date: 3/31/98
Review Date: 09/24/1999
Enforce Date: Not reported
Close Date: 7/31/98
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: ATASCADERO RD
Local Agency: 40000
Lead Agency: Local Agency
Staff Initials: FJD
Confirm Leak: 3/3/98
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: 0
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 35.380979 / -120.8549436

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K SERVICE STATION (Continued)

S103291619

Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 10.22
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: MORRO BAY WATER DEPT
Well Name: WELL 13
Distance From Well: 0
Assigned Name: 29S/10E-25C04 M
Summary: 6/23/98: TANKS REMOVED, CONTAMINANTS FOUND IN SOIL, SLO CO. ORDERING
MORE INVESTIGATION, GW REPORTEDLY AT 21 FEET BELOW GROUND SURFACE,
LEAK REPORT TO FOLLOW, JWG.THIS CASE IS CLOSED

HIST UST:

File Number: 0002B758
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B758.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:

envid: S103291619
Year: 2015
GEPAID: CAL000407021
Contact: SAM MAIDA
Telephone: 8057722634
Mailing Name: Not reported
Mailing Address: 1860 MAIN ST
Mailing City,St,Zip: MORRO BAY, CA 93442
Gen County: San Luis Obispo
TSD EPA ID: CAD059494310
TSD County: Santa Clara

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K SERVICE STATION (Continued)

S103291619

Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.05
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

B8
East
< 1/8
0.061 mi.
322 ft.

LUCKY 7
1860 MAIN ST
MORRO BAY, CA 93442

Site 5 of 5 in cluster B

EDR Hist Auto **1021158535**
N/A

Relative:
Higher

EDR Hist Auto

Actual:
42 ft.

Year:	Name:	Type:
1994	CIRCLE K CORPORATION	Convenience Stores
1995	CIRCLE K CORPORATION	Convenience Stores
1996	CIRCLE K STORES INC	Convenience Stores
1997	TOSCO MARKETING COMPANY	Convenience Stores
1999	TOSCO MARKETING COMPANY INC	Convenience Stores
2000	TOSCO MARKETING COMPANY	Convenience Stores
2001	TOSCO MARKETING COMPANY	Convenience Stores
2002	CIRCLE K STORES INC	Convenience Stores
2003	CIRCLE K STORES INC	Convenience Stores
2004	CIRCLE K STORES INC	Convenience Stores
2010	LUCKY 7	Gasoline Service Stations
2011	LUCKY 7	Gasoline Service Stations
2012	LUCKY 7	Gasoline Service Stations
2013	LUCKY 7	Gasoline Service Stations
2014	LUCKY 7	Gasoline Service Stations

C9
East
< 1/8
0.068 mi.
358 ft.

MORRO BAY SHELL
1840 MAIN ST
MORRO BAY, CA 93442

Site 1 of 10 in cluster C

UST **U003895567**
N/A

Relative:
Higher

UST:
Facility ID: FA0000607
Permitting Agency: SAN LUIS OBISPO COUNTY
Latitude: 35.382087
Longitude: -120.853349

Actual:
41 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C10 **SHELL SERVICE STATION 135629**
East **1840 MAIN/HIGHWAY 1**
< 1/8 **MORRO BAY, CA 93442**
0.068 mi.
358 ft. **Site 2 of 10 in cluster C**

RCRA-SQG **1000288731**
SWEEPS UST **CAD981405764**
CA FID UST
FINDS
ECHO

Relative:
Higher

RCRA-SQG:

Date form received by agency: 02/28/2002

Facility name: SHELL SERVICE STATION 135629

Facility address: 1840 MAIN/HIGHWAY 1

MORRO BAY, CA 93442

EPA ID: CAD981405764

Mailing address: PO BOX 2648

HOUSTON, TX 77252

Contact: SONDRA E BIENVENU

Contact address: Not reported

Not reported

Contact country: US

Contact telephone: 713-241-5036

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Historical Generators:

Date form received by agency: 02/28/2002

Site name: SHELL SERVICE STATION 135629

Classification: Large Quantity Generator

Date form received by agency: 04/08/1998

Site name: SHELL OIL CO

Classification: Small Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION 135629 (Continued)

1000288731

Waste name: BENZENE

Date form received by agency: 09/01/1996

Site name: SHELL OIL CO

Classification: Small Quantity Generator

Violation Status: No violations found

SWEEPS UST:

Status: Active
Comp Number: 20903
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-31-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000006
Tank Status: A
Capacity: 12000
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 20903
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-31-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000007
Tank Status: A
Capacity: 12000
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 20903
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-31-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000008
Tank Status: A
Capacity: 12000
Active Date: 12-17-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION 135629 (Continued)

1000288731

Number Of Tanks: Not reported

Status: Active
Comp Number: 20903
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-31-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000009
Tank Status: A
Capacity: 550
Active Date: 02-13-91
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 40000491
Regulated By: UTNKA
Regulated ID: 00066674
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P.O. BOX 4218
Mailing Address 2: Not reported
Mailing City,St,Zip: MORRO BAY 93442
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:

Registry ID: 110002696912

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.

HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

SHELL SERVICE STATION 135629 (Continued)

EDR ID Number
EPA ID Number

ECHO:
Envid: 1000288731
Registry ID: 110002696912
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002696912>

C11	JOHNSKI INC 4	LUST	S104405624
East	1840 MAIN STREET	HIST UST	N/A
< 1/8	MORRO BAY, CA 93440		
0.068 mi.			
358 ft.	Site 3 of 10 in cluster C		

Relative: LUST REG 3:
Higher

Actual:
41 ft.

Region: 3
Regional Board: Central Coast Region
Facility County: San Luis Obispo
Global ID: T0607900101
Status: Remedial action (cleanup) Underway
Case Number: 3261
Local Case Num: Not reported
Case Type: A
Substance: Unleaded Gasoline
Quantity: Not reported
Abatement Method: Unknown - action taken at site is unknown
Leak Source: UNK
Leak Cause: UNK
How Stopped: Close Tank
How Discovered: OM
Release Date: 03/06/2000
Discovered Date: 3/6/00
Enter Date: 03/28/2000
Stop Date: Not reported
Review Date: 09/26/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: VER
Responsible Party: CURTIS STANLEY
RP Address: 3333 HIGHWAY 6 SOUTH
Contact: Not reported
Cross Street: Not reported
Local Agency: 40000
Lead Agency: Regional Board
Staff Initials: SMS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 3/6/00
Pollution Char: 09/27/2000
Remedial Plan: 9/27/00
Remedial Action: 9/30/00
Monitoring: / /
Pilot Program: UST
Interim Action: Not reported
Funding: Not reported
MTBE Class: A
Max MTBE Grnd Wtr: 1400
Max MTBE Soil: 2.4
Max MTBE Data: 01/25/2002
MTBE Tested: YES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOHNSKI INC 4 (Continued)

S104405624

Lat/Long: 35.380741 / -120.8548636
Soil Qualifier: =
Grnd Wtr Qualifier: =
Mtbe Concentratn: 29
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: MUN
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: MORRO BAY WATER DEPT
Well Name: WELL 13
Distance From Well: 0
Assigned Name: 29S/10E-25C04 M
Summary: 01-01: STATION SHUT DOWN BY SLO CO. DEH. 01-02: UST SYSTEM REMOVED.

HIST UST:

File Number: 0002BA6E
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BA6E.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:](#)

C12
East
< 1/8
0.068 mi.
358 ft.

CHUNG STEVE
1840 MAIN ST
MORRO BAY, CA 93442

EDR Hist Auto **1020786070**
N/A

Site 4 of 10 in cluster C

Relative:
Higher

EDR Hist Auto

Actual:
41 ft.

Year: Name:
1989 SKIS SHELL
1990 SKIS SHELL
1991 SKIS SHELL
1992 SKIS SHELL
1993 SKIS SHELL

Type:
Gasoline Service Stations
Gasoline Service Stations
Gasoline Service Stations
Gasoline Service Stations
Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

CHUNG STEVE (Continued)

1020786070

1994	CHUNG STEVE	Gasoline Service Stations, NEC
1995	CHUNG STEVE	Gasoline Service Stations, NEC
1996	MORRO BAY SHELL	Gasoline Service Stations, NEC
1997	MORRO BAY SHELL	Gasoline Service Stations, NEC
1998	MORRO BAY SHELL	Gasoline Service Stations, NEC
1999	CHUNG STEVE	Gasoline Service Stations, NEC
2000	CHUNG STEVE	Gasoline Service Stations, NEC
2001	CHUNG STEVE	Gasoline Service Stations, NEC
2002	CHUNG STEVE	Gasoline Service Stations, NEC

C13
East
< 1/8
0.068 mi.
358 ft.

SHELL SERVICE STATION
1840 MAIN ST
MORRO BAY, CA 93442
Site 5 of 10 in cluster C

LUST
HIST UST
Cortese
CUPA Listings
ENF

U001585639
N/A

Relative:
Higher

LUST:

Actual:
41 ft.

Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607900101
Global Id: T0607900101
Latitude: 35.380741
Longitude: -120.8548636
Status: Completed - Case Closed
Status Date: 09/26/2008
Case Worker: RB
RB Case Number: 3261
Local Agency: SAN LUIS OBISPO COUNTY
File Location: State Records Center
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: 9/26/08 - RB sent case closure letter to Mr. Joe Lentini of Shell Oil Company. On June 9 through 19, 2008 and July 21 through 31, 2008 (Mondays through Fridays), WDC, under the direction of DELTA geologists, destroyed a total of 68 groundwater monitoring wells by either over-drilling or pressure grouting. In January 1999, samples collected from the City of Morro Bay (City) sanitary sewer system detected methyl tertiary-butyl ether (MTBE). Subsequent investigations confirmed the MTBE contamination originated from this former Shell service station. The underground storage tanks (USTs) and gasoline-impacted soil beneath the USTs were removed from the location in January 2002. The Responsible Party (RP) implemented extensive remedial actions since the discovery of the contamination, which included contaminated soil excavation, addition of oxygen releasing compound to the UST excavation backfill, soil vapor extraction, and onsite and offsite groundwater extraction and treatment. Extensive monitoring conclusively demonstrated that the Citys Well Field was never impacted, even prior to MTBE plume stabilization. Total petroleum hydrocarbons as gasoline (TPHg), benzene, and MTBE were the only three gasoline constituents that have been detected above the Central Coast Water Board groundwater cleanup goals of 1000 micrograms per liter (a%g/L), 1 a%g/L, and 5 a%g/L, respectively. As a result of remedial action and natural attenuation, groundwater has now been cleaned up and meets cleanup goals. TPHg, Benzene, and MTBE have either been below their respective reporting limit or cleanup goal since January 2001, September 2005, and June 2005, respectively. Central Coast Water Board staff did not close the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

case earlier, although cleanup goals were met, to allow additional groundwater investigation and monitoring mutually agreed upon by Shell and the City. Results of the additional investigation and groundwater monitoring further confirm that groundwater cleanup goals have been met. On March 5, 2008, Central Coast Water Board staff directed Shell to destroy all monitoring wells. Upon receipt of a well destruction report documenting the proper destruction of all monitoring wells, Central Coast Water Board staff will close this case and the Executive Officer will issue a final case closure letter. The Shell Site, located at the northeast corner of the intersection of Main Street and Atascadero Road in Morro Bay, is currently a vacant lot except for a non-operating remediation system in the northeast corner. The former service station facility contained of three 12,000-gallon gasoline underground storage tanks (USTs), one 550-gallon waste oil UST, two fuel dispenser islands, and a station building. A groundwater extraction and treatment system consisting of six extraction wells and a granular activated carbon treatment system was in operation from March 6, 2001 to March 30, 2003. Based on the soil investigation, groundwater monitoring, and cleanup results, Central Coast Water Board staff believes there is no significant threat to groundwater resources, human health and the environment from this site. Petroleum hydrocarbon concentration trends are downward, and remaining residual soil and groundwater contamination are well characterized and contracting or declining in size and concentration. The contaminant mass has been removed from the site to the maximum extent practicable, and historical monitoring data indicate contaminant concentrations in groundwater will likely decrease to below cleanup goals in a reasonable time. The San Luis Obispo County Environmental Health Services (EHS) agrees with our proposed closure of the case. Residual soil and groundwater contamination still underlies the site that could pose an unacceptable risk under certain site redevelopment activities such as site grading, excavation, or de-watering. The Central Coast Water Board, EHS, and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification should include a statement that residual soil and groundwater contamination underlie the property and may underlie nearby properties, and a description of the mitigation actions necessary (if any) to ensure that any possibly contaminated soils or groundwater brought to the surface by these activities are managed appropriately. Future site disturbance could require worker health and safety protection, and restrictions on the disposal of soil and groundwater. The levels of residual contamination and any associated risks are expected to diminish with time. The EHS may require additional site assessment if the property is proposed to be redeveloped. Additional actions required by EHS may include, but not limited to, a case review, further remedial action, soil gas analysis, and a human health risk assessment.

LUST:

Global Id:	T0607900101
Contact Type:	Local Agency Caseworker
Contact Name:	LINNEA GROSSMAN
Organization Name:	SAN LUIS OBISPO COUNTY
Address:	2156 SIERRA WAY
City:	SAN LUIS OBISPO
Email:	lgrossman@co.slo.ca.us

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Phone Number: 8057814917

Global Id: T0607900101
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

LUST:

Global Id: T0607900101
Action Type: RESPONSE
Date: 12/17/2002
Action: NPDES / WDR Reports

Global Id: T0607900101
Action Type: RESPONSE
Date: 05/07/2008
Action: Well Destruction Workplan

Global Id: T0607900101
Action Type: ENFORCEMENT
Date: 04/01/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607900101
Action Type: ENFORCEMENT
Date: 02/09/2007
Action: * No Action

Global Id: T0607900101
Action Type: ENFORCEMENT
Date: 11/21/2005
Action: Notification - Preclosure

Global Id: T0607900101
Action Type: ENFORCEMENT
Date: 02/24/2004
Action: Staff Letter

Global Id: T0607900101
Action Type: ENFORCEMENT
Date: 09/26/2008
Action: Closure/No Further Action Letter

Global Id: T0607900101
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0607900101
Action Type: Other
Date: 03/06/2000
Action: Leak Reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Global Id:	T0607900101
Action Type:	RESPONSE
Date:	10/20/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	11/09/2007
Action:	Other Report / Document
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	01/20/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	02/09/2007
Action:	Other Report / Document
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	11/02/2002
Action:	* Verbal Communication
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	10/01/2003
Action:	Staff Letter
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	05/11/2007
Action:	Other Report / Document
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	04/20/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	05/11/2007
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	11/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	12/04/2002
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Date:	09/26/2002
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	04/21/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	Other
Date:	03/06/2000
Action:	Leak Discovery
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	08/29/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	09/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	08/30/2002
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	10/30/2002
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	10/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	07/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	11/16/2006
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	12/21/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	Verbal Communication

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	01/22/2007
Action:	Verbal Communication
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	04/30/2007
Action:	Verbal Communication
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	10/20/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	01/20/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	07/20/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	07/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	11/21/2005
Action:	Other Report / Document
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	04/20/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	04/20/2003
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	01/20/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	12/20/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Date:	01/02/2003
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	12/17/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	04/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	03/31/2006
Action:	Other Report / Document
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	02/20/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	02/01/2003
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	12/11/2007
Action:	Meeting
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	12/31/2007
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	03/20/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	03/20/2003
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	01/20/2001
Action:	Waste Discharge Requirements
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	08/06/2002
Action:	Staff Letter

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Global Id:	T0607900101
Action Type:	RESPONSE
Date:	01/20/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	03/18/2003
Action:	Remedial Progress Report
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	02/28/2003
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	05/20/2003
Action:	NPDES / WDR Reports
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	07/14/2003
Action:	Other Report / Document
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	02/05/2007
Action:	Unknown
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	12/05/2002
Action:	Site Visit / Inspection / Sampling
Global Id:	T0607900101
Action Type:	REMEDIATION
Date:	04/05/2000
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	03/03/2006
Action:	Staff Letter
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	12/22/2006
Action:	13267 Requirement
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	03/18/2008
Action:	Preparation of Agenda Item
Global Id:	T0607900101
Action Type:	ENFORCEMENT

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Date:	01/18/2001
Action:	Clean-up and Abatement Order
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	03/05/2008
Action:	13267 Requirement
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	07/20/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	10/20/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	01/20/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	02/18/2003
Action:	File review
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	10/22/2002
Action:	Meeting
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	01/20/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	10/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	07/20/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0607900101
Action Type:	ENFORCEMENT
Date:	04/18/2002
Action:	Meeting
Global Id:	T0607900101
Action Type:	RESPONSE
Date:	10/20/2003
Action:	Monitoring Report - Quarterly

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Global Id: T0607900101
Action Type: RESPONSE
Date: 10/30/2003
Action: Other Report / Document

Global Id: T0607900101
Action Type: RESPONSE
Date: 07/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0607900101
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0607900101
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0607900101
Action Type: RESPONSE
Date: 12/15/2006
Action: Unknown

LUST:

Global Id: T0607900101
Status: Completed - Case Closed
Status Date: 09/26/2008

Global Id: T0607900101
Status: Open - Case Begin Date
Status Date: 03/06/2000

Global Id: T0607900101
Status: Open - Remediation
Status Date: 09/27/2000

Global Id: T0607900101
Status: Open - Remediation
Status Date: 09/30/2000

Global Id: T0607900101
Status: Open - Site Assessment
Status Date: 03/06/2000

Global Id: T0607900101
Status: Open - Site Assessment
Status Date: 09/27/2000

Global Id: T0607900101
Status: Open - Verification Monitoring
Status Date: 04/01/2003

HIST UST:

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000066674
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 8057724482
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1965
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: 2
Container Construction Thickness: /4 2
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1965
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1965
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: 1965
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 005
Container Num: 5
Year Installed: 1970
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: None

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

CORTESE:

Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
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:	CORTESE
Order No:	01-134
Waste Discharge System No:	Not reported
Effective Date:	10/27/2000
Region 2:	3
WID Id:	3 400009001
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

CUPA SAN LUIS OBISPO:

Facility Id:	FA0000607
Program Element Code:	0301
Program Element:	UST FACILITY ANNUAL PERMIT
Record Id:	PR0002878
Cross Street:	Not reported
Status Code:	02
Status:	Inactive, non-billable
Latitude:	Not reported
Longitude:	Not reported

Facility Id:	FA0000607
Program Element Code:	0705
Program Element:	STATE SITE SURCHARGE
Record Id:	PR0006419
Cross Street:	Not reported
Status Code:	02
Status:	Inactive, non-billable
Latitude:	Not reported
Longitude:	Not reported

Facility Id:	FA0000607
Program Element Code:	0725
Program Element:	HAZMAT DISCLOSURE - SERVICE STATION
Record Id:	PR0002039
Cross Street:	Not reported
Status Code:	02
Status:	Inactive, non-billable
Latitude:	Not reported
Longitude:	Not reported

Facility Id:	FA0000607
Program Element Code:	1126
Program Element:	HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id:	PR0002516

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

U001585639

Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: Not reported
Longitude: Not reported

ENF:

Region: 3
Facility Id: 256715
Agency Name: Equiva Services LLC
Place Type: Facility
Place Subtype: Not reported
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 35.380717
Place Longitude: -120.855208
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0
Threat To Water Quality: 3
Complexity: C
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDNONMUNIPRCS
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 3 400009001
Reg Measure Id: 185325
Reg Measure Type: Enrollee
Region: 3
Order #: 01-134
Npdes# CA#: CAG993002
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: 750
Status: Historical
Status Date: 11/04/2010

Map ID
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MAP FINDINGS

SHELL SERVICE STATION (Continued)

U001585639

Effective Date: 10/27/2000
Expiration/Review Date: 06/30/2005
Termination Date: 06/30/2005
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: Y
Individual/General: I
Fee Code: 15 - WDRs pending rescission
Direction/Voice: Passive
Enforcement Id(EID): 227749
Region: 3
Order / Resolution Number: R3-2001-0028
Enforcement Action Type: Clean-up and Abatement Order
Effective Date: 01/18/2001
Adoption/Issuance Date: Not reported
Achieve Date: 2001-02-01
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Active
Title: Enforcement - 3 400009001
Description: Discharge discharged THPs to gw; 9/00 monitor detected at max concentrations; will add gw extract/sentry monitor wells;extract gw w/b treated w/granular activated carbon;discharge to sewer system accord. To NPDES permit issued 10/00).
Program: NPDNONMUNIPRCS
Latest Milestone Completion Date: 2001-08-16
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

C14 **91928**
ESE **1798 MAIN ST**
< 1/8 **MORRO BAY, CA 93442**
0.081 mi.
428 ft. **Site 6 of 10 in cluster C**

LUST **U001585658**
HIST UST **N/A**
CUPA Listings

Relative:
Higher

Actual:
33 ft.

LUST:
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607926253
Global Id: T0607926253
Latitude: 35.38
Longitude: -120.8546
Status: Completed - Case Closed
Status Date: 07/13/2007
Case Worker: WNL
RB Case Number: 3486

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

91928 (Continued)

U001585658

Local Agency: SAN LUIS OBISPO COUNTY
File Location: State Records Center
Local Case Number: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Based on the soil investigation, groundwater monitoring, and cleanup results, Central Coast Water Board staff believes there is no significant threat to groundwater resources, human health and the environment from this site. Petroleum hydrocarbon concentration trends are downward, and remaining residual soil and groundwater contamination are well characterized and contracting or declining in size and concentration. The contaminant mass has been removed from the site to the maximum extent practicable, and historical monitoring data indicate contaminant concentrations in groundwater will likely decrease to below cleanup goals in a reasonable time. The San Luis Obispo County Environmental Health Services (EHS) agrees with our proposed closure of the case. Residual soil and groundwater contamination still underlies the site that could pose an unacceptable risk under certain site redevelopment activities such as site grading, excavation, or de-watering. The Central Coast Water Board, EHS, and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification should include a statement that residual soil and groundwater contamination underlie the property and may underlie nearby properties, and a description of the mitigation actions necessary (if any) to ensure that any possibly contaminated soils or groundwater brought to the surface by these activities are managed appropriately. Future site disturbance could require worker health and safety protection, and restrictions on the disposal of soil and groundwater. The levels of residual contamination and any associated risks are expected to diminish with time. The EHS may require additional site assessment if the property is proposed to be redeveloped. Additional actions required by EHS may include, but not limited to, a case review, further remedial action, soil gas analysis, and a human health risk assessment.

LUST:

Global Id: T0607926253
Contact Type: Local Agency Caseworker
Contact Name: Linnea Grossman
Organization Name: SAN LUIS OBISPO COUNTY
Address: PO BOX 1489
City: SAN LUIS OBISPO
Email: lgrossman@co.slo.ca.us
Phone Number: 8057815544

Global Id: T0607926253
Contact Type: Regional Board Caseworker
Contact Name: WEI LIU
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PLACE, SUITE 101
City: SAN LUIS OBISPO
Email: wei.liu@waterboards.ca.gov
Phone Number: 8055493147

LUST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

91928 (Continued)

U001585658

Global Id:	T0607926253
Action Type:	Other
Date:	01/30/2003
Action:	Leak Reported
Global Id:	T0607926253
Action Type:	ENFORCEMENT
Date:	01/13/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0607926253
Action Type:	Other
Date:	01/30/2003
Action:	Leak Discovery
Global Id:	T0607926253
Action Type:	RESPONSE
Date:	10/20/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0607926253
Action Type:	RESPONSE
Date:	10/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0607926253
Action Type:	Other
Date:	01/30/2003
Action:	Leak Stopped
Global Id:	T0607926253
Action Type:	RESPONSE
Date:	01/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0607926253
Action Type:	REMEDIATION
Date:	01/30/2003
Action:	Not reported
Global Id:	T0607926253
Action Type:	RESPONSE
Date:	07/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0607926253
Action Type:	RESPONSE
Date:	04/20/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0607926253
Action Type:	ENFORCEMENT
Date:	04/21/2003
Action:	Staff Letter

LUST:

Global Id:	T0607926253
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

91928 (Continued)

U001585658

Status: Completed - Case Closed
Status Date: 07/13/2007

Global Id: T0607926253
Status: Open - Case Begin Date
Status Date: 01/30/2003

Global Id: T0607926253
Status: Open - Verification Monitoring
Status Date: 11/05/2004

HIST UST:

File Number: 0002B72F
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B72F.pdf>
Region: STATE
Facility ID: 00000062170
Facility Type: Gas Station
Other Type: Not reported
Contact Name: REID,D STEWART
Telephone: 8057721108
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1967
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1960
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1960
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1967
Tank Capacity: 00005000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

91928 (Continued)

U001585658

Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1960
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000100
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CUPA SAN LUIS OBISPO:

Facility Id: FA0002608
Program Element Code: 0301
Program Element: UST FACILITY ANNUAL PERMIT
Record Id: PR0002605
Cross Street: HWY 41
Status Code: 01
Status: Active, billable
Latitude: 35.37985
Longitude: 120.85458

Facility Id: FA0002608
Program Element Code: 0726
Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0001952
Cross Street: HWY 41
Status Code: 01
Status: Active, billable
Latitude: 35.37985
Longitude: 120.85458

C15
ESE
< 1/8
0.081 mi.
428 ft.
MORRO BAY CHEVRON
1798 MAIN ST
MORRO BAY, CA 93442
Site 7 of 10 in cluster C

UST **U003786114**
N/A

Relative:
Higher

UST:
Facility ID: FA0002608
Permitting Agency: SAN LUIS OBISPO COUNTY
Latitude: 35.3813376
Longitude: -120.8530556

Actual:
33 ft.

Facility ID: Not reported
Permitting Agency: San Luis Obispo County Environmental Health
Latitude: 35.38
Longitude: -120.85445

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C16 **STAFFORD ELMER C**
ESE **1798 MAIN STREET**
< 1/8 **MORRO BAY, CA 93442**
0.081 mi.
428 ft. **Site 8 of 10 in cluster C**

EDR Hist Auto **1020394350**
N/A

Relative:
Higher

EDR Hist Auto

Actual:
33 ft.

Year:	Name:	Type:
1969	STAFFORD ELMER C	Gasoline Service Stations
1970	STAFFORD ELMER C	Gasoline Service Stations
1971	STAFFORD ELMER C	Gasoline Service Stations
1972	STAFFORD ELMER C	Gasoline Service Stations
1973	STAFFORD ELMER C	Gasoline Service Stations
1974	STAFFORD ELMER C	Gasoline Service Stations
1974	BOYLE STEVE CHEVRON	Gasoline Service Stations
1975	BOYLE STEVE CHEVRON	Gasoline Service Stations
1975	STAFFORD ELMER C	Gasoline Service Stations
1976	STAFFORD ELMER C	Gasoline Service Stations
1976	BOYLE STEVE CHEVRON	Gasoline Service Stations
1977	STAFFORD ELMER C	Gasoline Service Stations
1978	PAULS CHEVRON	Gasoline Service Stations
1986	BENSER CHEVRON	Gasoline Service Stations
1987	BENSERS CHEVRON	Gasoline Service Stations
1987	BENSER CHEVRON	Gasoline Service Stations
1988	BENSERS CHEVRON	Gasoline Service Stations
1989	BENSERS CHEVRON	Gasoline Service Stations, NEC
1990	BENSERS CHEVRON	Gasoline Service Stations, NEC
1991	BENSERS CHEVRON	Gasoline Service Stations, NEC
1992	BENSERS CHEVRON	Gasoline Service Stations, NEC
1993	BENSERS CHEVRON	Gasoline Service Stations, NEC
1994	BENSERS CHEVRON	Gasoline Service Stations, NEC
1995	BENSERS CHEVRON	Gasoline Service Stations, NEC
1996	BENSERS CHEVRON	Gasoline Service Stations, NEC
1997	BENSER CHEVRON	Gasoline Service Stations
1998	BENSER CHEVRON	Gasoline Service Stations
1999	BENSER CHEVRON	Gasoline Service Stations
2000	BENSER CHEVRON	Gasoline Service Stations
2001	BENSER CHEVRON	Gasoline Service Stations
2002	BENSER CHEVRON	Gasoline Service Stations
2003	BENSER CHEVRON	Gasoline Service Stations
2004	BENSER CHEVRON	Gasoline Service Stations
2005	BENSER CHEVRON	Gasoline Service Stations, NEC
2006	BENSER CHEVRON	Gasoline Service Stations, NEC
2007	BENSER CHEVRON	Gasoline Service Stations, NEC
2008	TEMPLETON PRODUCTS INC	Gasoline Service Stations
2008	BENSER CHEVRON	Gasoline Service Stations, NEC
2009	BENSER CHEVRON	Gasoline Service Stations, NEC
2009	TEMPLETON PRODUCTS INC	Gasoline Service Stations
2010	TEMPLETON PRODUCTS INC	Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C17
ESE
< 1/8
0.081 mi.
428 ft.
CHEVRON #91928
1798 MAIN ST
MORRO BAY, CA 93442
Site 9 of 10 in cluster C

SWEEPS UST
CA FID UST
HAZNET
S101593576
N/A

Relative:
Higher

SWEEPS UST:

Actual:
33 ft.

Status: Active
Comp Number: 12303
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-16-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000006
Tank Status: A
Capacity: 10000
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 12303
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-16-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000007
Tank Status: A
Capacity: 10000
Active Date: 02-27-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12303
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-16-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000008
Tank Status: A
Capacity: 10000
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #91928 (Continued)

S101593576

Comp Number: 12303
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-16-93
Action Date: 03-16-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012303-000009
Tank Status: A
Capacity: 1000
Active Date: 02-13-91
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 40000377
Regulated By: UTNKA
Regulated ID: 00062170
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P.O. BOX 2833
Mailing Address 2: Not reported
Mailing City,St,Zip: MORRO BAY 93442
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HAZNET:

envid: S101593576
Year: 2015
GEPAID: CAL000344968
Contact: PAUL ATWAL
Telephone: 8052647678
Mailing Name: Not reported
Mailing Address: 1798 MAIN ST
Mailing City,St,Zip: MORRO BAY, CA 934420000
Gen County: San Luis Obispo
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.165
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

envid: S101593576

Map ID
Direction
Distance
Elevation

MAP FINDINGS

CHEVRON #91928 (Continued)

S101593576

Year: 2014
GEPAID: CAL000344968
Contact: PAUL ATWAL
Telephone: 8052647678
Mailing Name: Not reported
Mailing Address: 1798 MAIN ST
Mailing City,St,Zip: MORRO BAY, CA 934420000
Gen County: San Luis Obispo
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

envid: S101593576
Year: 2011
GEPAID: CAL000344968
Contact: PAUL ATWAL
Telephone: 8052647678
Mailing Name: Not reported
Mailing Address: 1010 SLEEPY HOLLOW RD
Mailing City,St,Zip: PASO ROBLES, CA 934460000
Gen County: Not reported
TSD EPA ID: CAD980887418
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.18765
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

D18
WSW
< 1/8
0.084 mi.
443 ft.

190 ATASCADERO
MORRO BAY, CA

Site 1 of 12 in cluster D

AST A100344672
N/A

Relative:
Lower

AST:
Certified Unified Program Agencies: San Luis Obispo
Owner: WIXOM TRUCKING
Total Gallons: 10000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported

Actual:
21 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

A100344672

Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

D19 **WIXOM TRUCKING**
WSW **190 ATASCADERO RD**
< 1/8 **MORRO BAY, CA 93442**
0.084 mi.
443 ft. **Site 2 of 12 in cluster D**

AST **S117845060**
CUPA Listings **N/A**

Relative:
Lower

AST:

Actual:
21 ft.

Certified Unified Program Agencies: Not reported
Owner: WIXOM TRUCKING
Total Gallons: Not reported
CERSID: 10437730
Facility ID: Not reported
Business Name: WIXOM TRUCKING
Phone: (805) 772-4190
Fax: (805) 772-0779
Mailing Address: PO BOX 508
Mailing Address City: MORRO BAY
Mailing Address State: CA
Mailing Address Zip Code: 93442
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: PO BOX 508
Owner State: CA
Owner Zip Code: 93443
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

CUPA SAN LUIS OBISPO:

Facility Id: FA0002269
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0006822
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIXOM TRUCKING (Continued)

S117845060

Latitude: 35.37943
Longitude: -120.85862

Facility Id: FA0002269
Program Element Code: 0726
Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0001721
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37943
Longitude: -120.85862

Facility Id: FA0002269
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0002269
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37943
Longitude: -120.85862

Facility Id: FA0002269
Program Element Code: 1201
Program Element: AGT ANNUAL TANK PERMIT
Record Id: PR0008491
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37943
Longitude: -120.85862

D20
WSW
< 1/8
0.094 mi.
496 ft.

180 ATASCADERO
MORRO BAY, CA
Site 3 of 12 in cluster D

AST A100344641
N/A

Relative:
Lower

AST:
Certified Unified Program Agencies: San Luis Obispo
Owner: HANSON AGGREGATES
Total Gallons: 2000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported

Actual:
20 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

A100344641

Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

D21 **HANSON AGGREGATES, MORRO BAY**
WSW **180 ATASCADERO ROAD**
< 1/8 **MORRO BAY, CA 93443**
0.094 mi.
496 ft. **Site 4 of 12 in cluster D**

CHMIRS **S105723232**
CUPA Listings **N/A**
EMI
NPDES
WDS

Relative:
Lower

CHMIRS:

Actual:
20 ft.

OES Incident Number: 08-2554
OES notification: 04/04/2008
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Merchant/Business
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Gal(s)
Other: Not reported
Date/Time: 0530
Year: 2008
Agency: Hanson Aggregates

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

Incident Date: 4/4/2008
Admin Agency: San Luis Obispo County Public Health
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: Diesel
Quantity Released: 50
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatales: Not reported
Comments: Not reported
Description: RP states that a parked truck had a leak in the fuel system for up to 48 hours causing a release of approximately 50 gallons onto the soil.

CUPA SAN LUIS OBISPO:

Facility Id: FA0002172
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0006739
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37935
Longitude: -120.85903

Facility Id: FA0002172
Program Element Code: 0727
Program Element: HAZMAT DISCLOSURE - 5-10 HAZARDOUS MATERIALS
Record Id: PR0001595
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.37935
Longitude: -120.85903

Facility Id: FA0002172
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0002172
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37935

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

Longitude: -120.85903

Facility Id: FA0002172
Program Element Code: 1201
Program Element: AGT ANNUAL TANK PERMIT
Record Id: PR0010600
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.37935
Longitude: -120.85903

EMI:

Year: 1995
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr:2

Year: 1996
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr:2

Year: 1997
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

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:	3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2
Year:	1998
County Code:	40
Air Basin:	SCC
Facility ID:	25
Air District Name:	SLO
SIC Code:	3273
Air District Name:	SAN LUIS OBISPO COUNTY APCD
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:	3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3
Year:	1999
County Code:	40
Air Basin:	SCC
Facility ID:	25
Air District Name:	SLO
SIC Code:	3273
Air District Name:	SAN LUIS OBISPO COUNTY APCD
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:	3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3
Year:	2000
County Code:	40
Air Basin:	SCC
Facility ID:	25
Air District Name:	SLO
SIC Code:	3273
Air District Name:	SAN LUIS OBISPO COUNTY APCD
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:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

Year: 2001
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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 Smlr Tons/Yr:1

Year: 2002
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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 Smlr Tons/Yr:1

Year: 2003
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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 Smlr Tons/Yr:1

Year: 2004
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0.943
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.86756

Year: 2005
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: .849
Part. Matter 10 Micrometers and Smlr Tons/Yr:.78108

Year: 2006
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: .7339
Part. Matter 10 Micrometers and Smlr Tons/Yr:.675188

Year: 2007
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .7339
Part. Matter 10 Micrometers and Smlr Tons/Yr: .675188

Year: 2008
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: .7339
Part. Matter 10 Micrometers and Smlr Tons/Yr: .675188

Year: 2009
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0.7339
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.6751880000000001

Year: 2010
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0.7339
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.6751880000000001

Year: 2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0.7339
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.675188

Year: 2012
County Code: 40
Air Basin: SCC
Facility ID: 25
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 2013
County Code: 40
Air Basin: SCC
Facility ID: 144
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0.016
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.0064

Year: 2014
County Code: 40
Air Basin: SCC
Facility ID: 144
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

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: 0.016
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.0064

Year: 2015
County Code: 40
Air Basin: SCC
Facility ID: 144
Air District Name: SLO
SIC Code: 3273
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0.003
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.0012

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 3
Regulatory Measure Id: 185727
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 3 40I013947
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: 04/30/1998
STATUS CODE NAME: Active
STATUS DATE: 04/30/1998
PLACE SIZE: 2.8
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Trevor Jones
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 805-475-1758
FACILITY CONTACT PHONE EXT: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

FACILITY CONTACT EMAIL:	Trevor.Jones@LehighHanson.com
OPERATOR NAME:	Hanson Aggregates
OPERATOR ADDRESS:	PO Box 71
OPERATOR CITY:	San Luis Obispo
OPERATOR STATE:	California
OPERATOR ZIP:	93406
OPERATOR CONTACT NAME:	Steven Zacks
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	805-748-0128
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	steve.zacks@hanson.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 COMMERCIAL 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:	City Storm Drain
CERTIFIER NAME:	Osvaldo Diaz
CERTIFIER TITLE:	VP GM
CERTIFICATION DATE:	18-NOV-16
PRIMARY SIC:	3273-Ready-Mixed Concrete
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	3
Regulatory Measure Id:	185727
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	3 401013947
Program Type:	Industrial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/30/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Hanson Aggregates
Discharge Address:	PO Box 71
Discharge City:	San Luis Obispo
Discharge State:	California
Discharge Zip:	93406
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY 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 NAME:	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 NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 DESRIPTION:	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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSON AGGREGATES, MORRO BAY (Continued)

S105723232

DIR DISCHARGE USWATER IND: Not reported
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: Not reported
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

WDS:

Facility ID: Central Coastal 40I013947
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: 3
Facility Telephone: 8057722777
Facility Contact: STEVEN ZACKS
Agency Name: HANSON AGGREGATES
Agency Address: PO Box 460
Agency City,St,Zip: Morro Bay 934430460
Agency Contact: HELEN
Agency Telephone: 8055438100
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 those who 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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D22
WSW
< 1/8
0.106 mi.
559 ft.
CITY MAINTENANCE YARD
170 ATASCADERO ROAD
MORRO BAY, CA 93442
Site 5 of 12 in cluster D

HIST UST
CHMIRS
S105654263
N/A

Relative:
Lower

HIST UST:

File Number: 0002B765
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B765.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

Actual:
19 ft.

[Click here for Geo Tracker PDF:](#)

CHMIRS:

OES Incident Number: 8-4359
OES notification: 09/24/1998
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

CITY MAINTENANCE YARD (Continued)

S105654263

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain.
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	City of Moro Bay
Incident Date:	9/24/1998 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	raw sewage
Gallons:	100
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	while doing a repair the by-pass hose came out of the man hole. Went down a dry drain. Drain disinfected and washed down

D23
WSW
< 1/8
0.106 mi.
559 ft.

MORRO BAY CITY CORP. YARD
170 ATASCADERO RD
MORRO BAY, CA 93442

SWEEPS UST
HIST UST
U001585662
N/A

Site 6 of 12 in cluster D

Relative:
Lower

SWEEPS UST:
Status: Active
Comp Number: 23101
Number: 4
Board Of Equalization: 44-025250
Referral Date: 03-16-93
Action Date: 03-04-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-023101-000005

Actual:
19 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY CITY CORP. YARD (Continued)

U001585662

Tank Status: A
Capacity: 4000
Active Date: 09-15-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 3

Status: Active
Comp Number: 23101
Number: 4
Board Of Equalization: 44-025250
Referral Date: 03-16-93
Action Date: 03-04-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-023101-000006
Tank Status: A
Capacity: 2000
Active Date: 09-15-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 23101
Number: 4
Board Of Equalization: 44-025250
Referral Date: 03-16-93
Action Date: 03-04-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-023101-000007
Tank Status: A
Capacity: 520
Active Date: 09-15-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000063515
Facility Type: Other
Other Type: CITY YARD
Contact Name: GERALD RAMOS
Telephone: 8057721214
Owner Name: CITY OF MORRO BAY
Owner Address: 595 HARBOR STREET
Owner City,St,Zip: MORRO BAY, CA 93442
Total Tanks: 0004

Tank Num: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY CITY CORP. YARD (Continued)

U001585662

Container Num: I
Year Installed: 1966
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: II
Year Installed: 1966
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: III
Year Installed: 1977
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: IV
Year Installed: 1985
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

D24
WSW
< 1/8
0.106 mi.
559 ft.

MORRO BAY CITY CORP YARD
170 ATASCADERO RD
MORRO BAY, CA 93442

Site 7 of 12 in cluster D

CUPA Listings **S103986487**
N/A

Relative: CUPA SAN LUIS OBISPO:
Lower Facility Id: FA0002941
Program Element Code: 0301
Program Element: UST FACILITY ANNUAL PERMIT
Actual: Record Id: PR0002939
19 ft. Cross Street: MAIN STREET
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37976
Longitude: -120.86006

Facility Id: FA0002941
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0007111
Cross Street: MAIN STREET
Status Code: 02

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY CITY CORP YARD (Continued)

S103986487

Status: Inactive, non-billable
Latitude: 35.37976
Longitude: -120.86006

Facility Id: FA0002941
Program Element Code: 0726
Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0002058
Cross Street: MAIN STREET
Status Code: 01
Status: Active, billable
Latitude: 35.37976
Longitude: -120.86006

Facility Id: FA0002941
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0002528
Cross Street: MAIN STREET
Status Code: 01
Status: Active, billable
Latitude: 35.37976
Longitude: -120.86006

D25
WSW
< 1/8
0.106 mi.
559 ft.

MORRO BAY CITY- DESALINATION PLANT
170 ATASCADERO RD
MORRO BAY, CA 93442

CUPA Listings
HAZNET
S113020934
N/A

Site 8 of 12 in cluster D

Relative:
Lower

CUPA SAN LUIS OBISPO:

Facility Id: FA0007552
Program Element Code: 0726
Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0011557
Cross Street: MAIN STREET
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37976
Longitude: -120.86006

Facility Id: FA0007552
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0011558
Cross Street: MAIN STREET
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37976
Longitude: -120.86006

HAZNET:

envid: S113020934
Year: 1995
GEPAID: CAH777000689
Contact: Not reported
Telephone: 0000000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY CITY- DESALINATION PLANT (Continued)

S113020934

Mailing Name: Not reported
Mailing Address: P.O. BOX 1489
Mailing City,St,Zip: SAN LUIS OBISPO, CA 934060000
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Household waste
Disposal Method: Recycler
Tons: 2.9922
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

envid: S113020934
Year: 1995
GEPAID: CAH777000689
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P.O. BOX 1489
Mailing City,St,Zip: SAN LUIS OBISPO, CA 934060000
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Household waste
Disposal Method: Treatment, Incineration
Tons: 2.6775
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

D26 MORRO BAY CITY CORP YARD
WSW 170 ATASCADERO RD
< 1/8 MORRO BAY, CA 93442
0.106 mi.
559 ft. Site 9 of 12 in cluster D

UST U003802881
N/A

Relative: UST:
Lower Facility ID: Not reported
Permitting Agency: San Luis Obispo County Environmental Health
Actual: Latitude: 35.37997
19 ft. Longitude: -120.85982

D27 MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF
WSW 160 ATASCADERO RD
< 1/8 MORRO BAY, CA 93442
0.117 mi.
616 ft. Site 10 of 12 in cluster D

SWEEPS UST 1000591858
HIST UST N/A
CA FID UST
ENF
HAZNET
NPDES

Relative: SWEEPS UST:
Lower Status: Active
Comp Number: 23102
Number: 9
Board Of Equalization: Not reported
Referral Date: 03-16-93
Actual:
19 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Action Date: 03-04-94
Created Date: 02-29-88
Owner Tank Id: T 0401
SWRCB Tank Id: 40-000-023102-000001
Tank Status: A
Capacity: 550
Active Date: 02-13-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

HIST UST:

File Number: 0002B763
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B763.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:

CA FID UST:

Facility ID: 40001672
Regulated By: UTKA
Regulated ID: 00063514
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8057721214
Mail To: Not reported
Mailing Address: 160 ATASCADERO RD
Mailing Address 2: Not reported
Mailing City,St,Zip: MORRO BAY 93442
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

ENF:

Region:	3
Facility Id:	241479
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	249841
Region:	3
Order / Resolution Number:	R3-2003-0052
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/07/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 3 400103001
Description:	TCDD, suspended solids and total chlorine residual violations between July 10, 2002 and January 16, 2003.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	241479
Agency Name:	Morro Bay SD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.36

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 400103001
Reg Measure Id:	357056
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-2008-0065
Npdes# CA#:	CA0047881
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Y
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	05/06/2010
Effective Date:	03/01/2009
Expiration/Review Date:	12/03/2013
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	404379
Region:	3
Order / Resolution Number:	R3-2016-0021
Enforcement Action Type:	Admin Civil Liability
Effective Date:	04/18/2016
Adoption/Issuance Date:	04/18/2016
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	01/20/2016
Status:	Active
Title:	ACL R3-2016-0021 for Morro Bay SD
Description:	EPL Offer to resolve three MMP violations for \$9,000.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	2016-05-24
# Of Programs1:	1
Total Assessment Amount:	9000
Initial Assessed Amount:	4500
Liability \$ Amount:	4500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Project \$ Amount:	0
Liability \$ Paid:	4500
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	4500
Region:	3
Facility Id:	241479
Agency Name:	Morro Bay SD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.36
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 400103001
Reg Measure Id:	147273
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1998-0015
Npdes# CA#:	CA0047881
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Y
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/09/2015
Effective Date:	12/11/1998
Expiration/Review Date:	01/26/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Termination Date:	12/03/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	353208
Region:	3
Order / Resolution Number:	SWB-2008-3-0009
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/19/2008
Adoption/Issuance Date:	11/19/2008
Achieve Date:	Not reported
Termination Date:	11/21/2009
ACL Issuance Date:	07/01/2008
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Expedited Payment Letter for MORRO BAY SD
Description:	MMP for 1 violation: Mandatory Minimum Penalty Amount Owed for Effluent Violations (1 Serious Violations + 0 Chronic Violations) + \$3,000 = \$3,000 to the Cleanup & Abatement Account
Program:	NPDMUNILRG
Latest Milestone Completion Date:	2008-12-12
# Of Programs1:	1
Total Assessment Amount:	3000
Initial Assessed Amount:	3000
Liability \$ Amount:	3000
Project \$ Amount:	0
Liability \$ Paid:	3000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	3000
Region:	3
Facility Id:	241479
Agency Name:	Morro Bay SD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.36
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 400103001
Reg Measure Id:	147273
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1998-0015
Npdes# CA#:	CA0047881
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Y
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/09/2015
Effective Date:	12/11/1998
Expiration/Review Date:	01/26/2009
Termination Date:	12/03/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	256650
Region:	3
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	05/01/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/01/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 3 400103001
Description:	Sewage spill.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

EDR ID Number
EPA ID Number

1000591858

Program:	NPDMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	241479
Agency Name:	Morro Bay SD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.36
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 400103001
Reg Measure Id:	147273
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1998-0015
Npdes# CA#:	CA0047881
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

301H:	Y
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/09/2015
Effective Date:	12/11/1998
Expiration/Review Date:	01/26/2009
Termination Date:	12/03/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	256338
Region:	3
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	04/20/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/20/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 3 400103001
Description:	Sanitary Sewer Overflow.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	241479
Agency Name:	Morro Bay SD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.36
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 400103001
Reg Measure Id:	147273
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1998-0015
Npdes# CA#:	CA0047881
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Y
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/09/2015
Effective Date:	12/11/1998
Expiration/Review Date:	01/26/2009
Termination Date:	12/03/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	255651
Region:	3
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	01/10/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/10/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Status:	Historical
Title:	Enforcement - 3 400103001
Description:	8,400-gallon sewage spill
Program:	NPDMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	241479
Agency Name:	Morro Bay SD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.36
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 400103001
Reg Measure Id:	147273
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1998-0015
Npdes# CA#:	CA0047881
Major-Minor:	Major

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Y
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/09/2015
Effective Date:	12/11/1998
Expiration/Review Date:	01/26/2009
Termination Date:	12/03/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	243438
Region:	3
Order / Resolution Number:	R3-2000-0100
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/13/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-12-14
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 3 400103001
Description:	Complaint issued for hearing at 7/14/00 Board meeting. Discharger has option of completing pollution prevention plan or supplemental environmental project for first serious violation if requested by 7/3/00 or pay fine by 7/12/00.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	241479
Agency Name:	Morro Bay SD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	35.380139

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.36
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 400103001
Reg Measure Id:	147273
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1998-0015
Npdes# CA#:	CA0047881
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Y
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/09/2015
Effective Date:	12/11/1998
Expiration/Review Date:	01/26/2009
Termination Date:	12/03/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	227838
Region:	3
Order / Resolution Number:	R3-2000-0100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

EDR ID Number
EPA ID Number

1000591858

Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/25/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-12-14
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 3 400103001
Description:	Complaint issued for hearing at 7/14/00 Board meeting. Discharger has option of completing pollution prevention plan or supplemental environmental project for first serious violation if requested by 7/3/00 or pay fine by 7/12/00.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	2000-12-31
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	241479
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.380139
Place Longitude:	-120.858763
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	250145
Region:	3
Order / Resolution Number:	R3-2003-0052
Enforcement Action Type:	Admin Civil Liability
Effective Date:	12/05/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 3 400103001
Description:	Mandatory Penalty Order for NPDES violations in a six month period.
Program:	NPDESWW
Latest Milestone Completion Date:	2003-12-30
# Of Programs1:	1
Total Assessment Amount:	12000
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	12000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

HAZNET:

envid: 1000591858
Year: 2016
GEPAID: CAL000412343
Contact: JUAN SANCHEZ
Telephone: 9095984449
Mailing Name: Not reported
Mailing Address: 870 OSOS ST
Mailing City,St,Zip: SAN LUIS OBISPO, CA 93401
Gen County: San Luis Obispo
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Household waste
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 9.5165
Cat Decode: Household waste
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: San Luis Obispo

envid: 1000591858
Year: 2016
GEPAID: CAL000412343
Contact: JUAN SANCHEZ
Telephone: 9095984449
Mailing Name: Not reported
Mailing Address: 870 OSOS ST
Mailing City,St,Zip: SAN LUIS OBISPO, CA 93401
Gen County: San Luis Obispo
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Household waste
Disposal Method: Neutralization Only
Tons: 2.275
Cat Decode: Household waste
Method Decode: Neutralization Only
Facility County: San Luis Obispo

envid: 1000591858
Year: 2016
GEPAID: CAL000412343
Contact: JUAN SANCHEZ
Telephone: 9095984449
Mailing Name: Not reported
Mailing Address: 870 OSOS ST
Mailing City,St,Zip: SAN LUIS OBISPO, CA 93401
Gen County: San Luis Obispo
TSD EPA ID: ARD981057870
TSD County: 99
Waste Category: Household waste
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 7.1295
Cat Decode: Household waste
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: San Luis Obispo

envid: 1000591858
Year: 2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

GEPAID: CAL000412343
Contact: JUAN SANCHEZ
Telephone: 9095984449
Mailing Name: Not reported
Mailing Address: 870 OSOS ST
Mailing City,St,Zip: SAN LUIS OBISPO, CA 93401
Gen County: San Luis Obispo
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Household waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 6.475
Cat Decode: Household waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: San Luis Obispo

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 3
Regulatory Measure Id: 457459
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 3 40I026335
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: 12/10/2015
PROCESSED DATE: 12/11/2015
STATUS CODE NAME: Active
STATUS DATE: 12/11/2015
PLACE SIZE: 10
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Bruce Keogh
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 805-772-6272
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: bkeogh@morro-bay.ca.us
OPERATOR NAME: City of Morro Bay
OPERATOR ADDRESS: 595 Harbor Street
OPERATOR CITY: Morro Bay
OPERATOR STATE: California
OPERATOR ZIP: 93442
OPERATOR CONTACT NAME: Rob Livick
OPERATOR CONTACT TITLE: Public Works Director/City Engineer
OPERATOR CONTACT PHONE: 805-772-6569

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	rlivick@morrobayca.gov
OPERATOR TYPE:	City/Town Agency
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	805-772-6261
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 DESRIPTION:	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:	Y
RECEIVING WATER NAME:	Morro Creek
CERTIFIER NAME:	Rob Livick
CERTIFIER TITLE:	Director/City Engineer
CERTIFICATION DATE:	10-DEC-15
PRIMARY SIC:	4952-Sewerage Systems
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	3
Regulatory Measure Id:	457459
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	3 40I026335
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/11/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	City of Morro Bay
Discharge Address:	595 Harbor Street
Discharge City:	Morro Bay
Discharge State:	California
Discharge Zip:	93442

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY 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 NAME:	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 NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 DESRIPTION:	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 NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

Npdes Number: CA0047881
Facility Status: Active
Agency Id: 29299
Region: 3
Regulatory Measure Id: 357056
Order No: R3-2008-0065
Regulatory Measure Type: NPDES Permits
Place Id: 241479
WDID: 3 400103001
Program Type: NPDMUNILRG
Adoption Date Of Regulatory Measure: 12/04/2008
Effective Date Of Regulatory Measure: 03/01/2009
Expiration Date Of Regulatory Measure: 12/03/2013
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Morro Bay SD
Discharge Address: 590 Harbor Street
Discharge City: Morro Bay
Discharge State: CA
Discharge Zip: 93442
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY 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 NAME: 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 NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY-CAYUCOS SANITARY DISTRICT PHHWCF (Continued)

1000591858

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 NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

D28
WSW
< 1/8
0.117 mi.
616 ft.

CITY OF MORRO BAY
160 ATASCADERO RD
MORRO BAY, CA 93442
Site 11 of 12 in cluster D

UST **U003786214**
N/A

Relative: **Lower** **UST:**
Facility ID: FA0002942
Permitting Agency: SAN LUIS OBISPO COUNTY
Actual: **19 ft.** Latitude: 35.38013
Longitude: -120.85877

D29
WSW
< 1/8
0.117 mi.
616 ft.

WASTEWATER TREATMENT PLANT
160 ATASCADERO RD
MORRO BAY, CA 93442
Site 12 of 12 in cluster D

HIST UST **U001585688**
CUPA Listings **N/A**

Relative: **Lower** **HIST UST:**
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000063514
Facility Type: Other
Other Type: WASTEWATER TREATMENT
Contact Name: DARRELL RICHARDS
Telephone: 8057721214
Owner Name: CITY OF MORRO BAY
Owner Address: 595 HARBOR STREET
Owner City,St,Zip: MORRO BAY, CA 93442
Total Tanks: 0001
Tank Num: 001
Container Num: T 0401
Year Installed: 1984
Tank Capacity: 00000550
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASTEWATER TREATMENT PLANT (Continued)

U001585688

Type of Fuel: DIESEL
Container Construction Thickness: .27
Leak Detection: Stock Inventor, Pressure Test

CUPA SAN LUIS OBISPO:

Facility Id: FA0002942
Program Element Code: 0301
Program Element: UST FACILITY ANNUAL PERMIT
Record Id: PR0002942
Cross Street: MAIN STREET
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37942
Longitude: -120.86100

Facility Id: FA0002942
Program Element Code: 0726
Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0002059
Cross Street: MAIN STREET
Status Code: 01
Status: Active, billable
Latitude: 35.37942
Longitude: -120.86100

Facility Id: FA0002942
Program Element Code: 1125
Program Element: HAZWASTE GEN (1 WS <27 GAL/MO, SELF REPORTER)
Record Id: PR0007112
Cross Street: MAIN STREET
Status Code: 01
Status: Active, billable
Latitude: 35.37942
Longitude: -120.86100

Facility Id: FA0005440
Program Element Code: 0400
Program Element: TIERED PERMITTING - PERMIT BY RULE
Record Id: PR0008739
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37901
Longitude: 120.85993

Facility Id: FA0005440
Program Element Code: 0410
Program Element: TIERED PERMITTING - PBR - HHHW
Record Id: PR0008727
Cross Street: Not reported
Status Code: 04
Status: Active, exempt from billing
Latitude: 35.37901
Longitude: 120.85993

Facility Id: FA0005440
Program Element Code: 1126

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASTEWATER TREATMENT PLANT (Continued)

U001585688

Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0008143
Cross Street: Not reported
Status Code: 04
Status: Active, exempt from billing
Latitude: 35.37901
Longitude: 120.85993

C30 **HAYWARD LUMBER COMP**
East **520 ATAS ROAD**
< 1/8 **MORRO BAY, CA 93442**
0.119 mi.
628 ft. **Site 10 of 10 in cluster C**

HIST UST **U001585665**
N/A

Relative:
Higher

HIST UST:

Actual:
40 ft.

File Number: 0002B85C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B85C.pdf>
Region: STATE
Facility ID: 00000028291
Facility Type: Other
Other Type: LUMBER YARD
Contact Name: Not reported
Telephone: 8057725691
Owner Name: HAYWARD LUMBER CO.
Owner Address: 520 ATAS. ROAD
Owner City,St,Zip: MORRO BAY, CA 93442
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 10
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 10
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E31 **ECOLAB TEXTILE CARE DIVISION**
ESE **399 ERROL ST**
1/8-1/4 **MORRO BAY, CA 93442**
0.147 mi.
778 ft. **Site 1 of 2 in cluster E**

CUPA Listings **S113788191**
HAZNET **N/A**

Relative:
Higher

CUPA SAN LUIS OBISPO:

Actual:
32 ft.

Facility Id:	FA0001601
Program Element Code:	0600
Program Element:	TIERED PERMITTING - CONDITIONALLY EXEMPT
Record Id:	PR0018617
Cross Street:	Not reported
Status Code:	01
Status:	Active, billable
Latitude:	35.37933
Longitude:	-120.85378
Facility Id:	FA0001601
Program Element Code:	0705
Program Element:	STATE SITE SURCHARGE
Record Id:	PR0006489
Cross Street:	Not reported
Status Code:	02
Status:	Inactive, non-billable
Latitude:	35.37933
Longitude:	-120.85378
Facility Id:	FA0001601
Program Element Code:	0726
Program Element:	HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id:	PR0001601
Cross Street:	Not reported
Status Code:	01
Status:	Active, billable
Latitude:	35.37933
Longitude:	-120.85378
Facility Id:	FA0001601
Program Element Code:	1125
Program Element:	HAZWASTE GEN (1 WS <27 GAL/MO, SELF REPORTER)
Record Id:	PR0002175
Cross Street:	Not reported
Status Code:	01
Status:	Active, billable
Latitude:	35.37933
Longitude:	-120.85378

HAZNET:

envid:	S113788191
Year:	2012
GEPAID:	CAC002704530
Contact:	Ecolab Textile Care Division
Telephone:	8005538683
Mailing Name:	Not reported
Mailing Address:	370 Watasha St North
Mailing City,St,Zip:	Saint Paul, MN 55102
Gen County:	San Luis Obispo
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLAB TEXTILE CARE DIVISION (Continued)

S113788191

Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.05
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

envid: S113788191
Year: 2012
GEPAID: CAC002704530
Contact: Ecolab Textile Care Division
Telephone: 8005538683
Mailing Name: Not reported
Mailing Address: 370 Watasha St North
Mailing City,St,Zip: Saint Paul, MN 55102
Gen County: San Luis Obispo
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.0834
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

E32
ESE
1/8-1/4
0.147 mi.
778 ft.

MISSION UNIFORM SUPPLY
399 ERROL ST
MORRO BAY, CA 93442

HIST UST **1000382478**
N/A

Site 2 of 2 in cluster E

Relative:
Higher

HIST UST:
File Number: 0002B945
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B945.pdf>
Region: STATE
Facility ID: 00000017765
Facility Type: Other
Other Type: LINNEN/SUPPLY
Contact Name: TOM E. HERGENROEDER
Telephone: 8057724451
Owner Name: MISSION INDUSTRIES
Owner Address: P.O. DRAWER MM
Owner City,St,Zip: SANTA BARBARA, CA 93102
Total Tanks: 0002

Actual:
32 ft.

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSION UNIFORM SUPPLY (Continued)

1000382478

Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

F33 **MORRO BAY CORP YARD SLCUSD**
NW **235 ATASCADERO RD**
1/8-1/4 **MORRO BAY, CA 93442**
0.176 mi.
928 ft. **Site 1 of 3 in cluster F**

HIST UST **U001585674**
CUPA Listings **N/A**
NPDES
WDS

Relative:
Lower

HIST UST:

Actual:
17 ft.

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000065479
Facility Type: Other
Other Type: SCHOOL DISTRICT
Contact Name: ROWLEY H. LASCELLES
Telephone: 8055432010
Owner Name: SAN LUIS COASTAL UNIFIED SCHOO
Owner Address: 1499 SAN LUIS DRIVE
Owner City,St,Zip: SAN LUIS OBISPO, CA 93401
Total Tanks: 0001

Tank Num: 001
Container Num: 12
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 001
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

CUPA SAN LUIS OBISPO:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY CORP YARD SLCUSD (Continued)

U001585674

Facility Id: FA0003944
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0007126
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.38092
Longitude: -120.86088

Facility Id: FA0003944
Program Element Code: 0727
Program Element: HAZMAT DISCLOSURE - 5-10 HAZARDOUS MATERIALS
Record Id: PR0001596
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.38092
Longitude: -120.86088

Facility Id: FA0003944
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0002173
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.38092
Longitude: -120.86088

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 3
Regulatory Measure Id: 185769
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 3 40I017966
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/15/2003
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: San Luis Coastal School District
Discharge Address: 1500 Lizzie Street
Discharge City: San Luis Obispo
Discharge State: California
Discharge Zip: 93401
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY CORP YARD SLCUSD (Continued)

U001585674

FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY 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 NAME:	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 NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 DESRIPTION:	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 NAME:	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
Facility Status:	Not reported
Agency Id:	Not reported
Region:	3
Regulatory Measure Id:	185769
Order No:	Not reported
Regulatory Measure Type:	Industrial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY CORP YARD SLCUSD (Continued)

U001585674

Place Id:	Not reported
WDID:	3 401017966
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:	03/15/2003
STATUS CODE NAME:	Active
STATUS DATE:	03/15/2003
PLACE SIZE:	2
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Anthony Palazzo
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	805-771-1855
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	apalazzo@slcusc.org
OPERATOR NAME:	San Luis Coastal School District
OPERATOR ADDRESS:	1500 Lizzie Street
OPERATOR CITY:	San Luis Obispo
OPERATOR STATE:	California
OPERATOR ZIP:	93401
OPERATOR CONTACT NAME:	Ryan Pinkerton
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	805-549-1331
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	rpinkerton@slcusc.org
OPERATOR TYPE:	Other
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	805-771-1856
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 DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRO BAY CORP YARD SLCUSD (Continued)

U001585674

CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Tide Lands
CERTIFIER NAME: Ryan Pinkerton
CERTIFIER TITLE: Assistant Superintendent
CERTIFICATION DATE: 01-JUL-15
PRIMARY SIC: 4151-School Buses
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

WDS:

Facility ID: Central Coastal 40I017966
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: 3
Facility Telephone: 8057711856
Facility Contact: PARKER BRAD
Agency Name: SAN LUIS COASTAL SCH DISTRI
Agency Address: 937 Southwood Dr
Agency City,St,Zip: San Luis Obispo 934015327
Agency Contact: PARKER BRAD
Agency Telephone: 8055964105
Agency Type: ?
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 those who 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY CORP YARD SLCUSD (Continued)

EDR ID Number
EPA ID Number

U001585674

dairy waste ponds.

F34 **SAN LUIS COASTAL U S D**
NW **235 ATASCADERO RD**
1/8-1/4 **MORRO BAY, CA 93442**
0.176 mi.
928 ft. **Site 2 of 3 in cluster F**

HIST UST **S113170268**
HAZNET **N/A**

Relative:
Lower

HIST UST:

File Number: 0002BA2D
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BA2D.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

Actual:
17 ft.

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

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:

envid: S113170268
Year: 1998
GEPAID: CAP000044008
Contact: Mr Brad Parker, Dir
Telephone: 0000000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN LUIS COASTAL U S D (Continued)

S113170268

Mailing Name: Not reported
Mailing Address: 235 Atascadero Rd
Mailing City,St,Zip: MORRO BAY, CA 934420000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .8428
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Luis Obispo

F35 **MORRO BAY CORPORATION YARD**
NW **235 ATASCADERO RD**
1/8-1/4 **MORRO BAY, CA 93442**
0.176 mi.
928 ft. **Site 3 of 3 in cluster F**

HIST UST **U001585669**
N/A

Relative:
Lower

HIST UST:

Actual:
17 ft.

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000032400
Facility Type: Other
Other Type: SCHOOL DISTRICT
Contact Name: ROWLEY H. LASCELLES
Telephone: 8055432010
Owner Name: SAN LUIS COASTAL UNIFIED SCHOO
Owner Address: 1499 SAN LUIS DRIVE
Owner City,St,Zip: SAN LUIS OBISPO, CA 93401
Total Tanks: 0003

Tank Num: 001
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 10
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY CORPORATION YARD (Continued)

EDR ID Number
EPA ID Number

Leak Detection: None

U001585669

36
SE
1/8-1/4
0.176 mi.
930 ft.

ASSOC. PACIFIC CONSTRUCTORS
1612 MAIN ST
MORRO BAY, CA 93442

CUPA Listings **S110743669**
N/A

Relative:
Lower

CUPA SAN LUIS OBISPO:

Actual:
25 ft.

Facility Id: FA0002177
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0006742
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37825
Longitude: -120.85365

Facility Id: FA0002177
Program Element Code: 0726
Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0001604
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.37825
Longitude: -120.85365

Facility Id: FA0002177
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0002177
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.37825
Longitude: -120.85365

G37
North
1/8-1/4
0.200 mi.
1056 ft.

CENTRAL COAST SEAFOOD INC
2170 N MAIN ST
SAN LUIS OBISPO, CA 93442

HIST UST **U001585661**
N/A

Site 1 of 3 in cluster G

Relative:
Higher

HIST UST:

Actual:
37 ft.

File Number: 0002B70D
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B70D.pdf>
Region: STATE
Facility ID: 00000019411
Facility Type: Other
Other Type: Not reported
Contact Name: JAMES P MORTON SUPER.
Telephone: 8057721274
Owner Name: CENTRAL COAST SEAFOOD INC.
Owner Address: 2170 N. MAIN ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL COAST SEAFOOF INC (Continued)

U001585661

Owner City,St,Zip: MORRO BAY, CA 93442
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

H38 **PACIFIC BELL**
SSE **301 PRESTON LANE**
1/8-1/4 **MORRO BAY, CA 93442**
0.206 mi.
1088 ft. **Site 1 of 2 in cluster H**

RCRA-SQG **1000251479**
FINDS **CAT080023773**
ECHO

Relative:
Lower

RCRA-SQG:

Actual:
25 ft.

Date form received by agency: 09/01/1996
Facility name: PACIFIC BELL
Facility address: 301 PRESTON LANE
MORRO BAY, CA 93442
EPA ID: CAT080023773
Mailing address: 2 NORTH SECOND ST ROOM 1125
SAN JOSE, CA 95113
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: THE PACIFIC TELEPHONE AND TELEGRAPH CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000251479

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/20/1981
Site name: PACIFIC BELL
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002951681

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: 1000251479
Registry ID: 110002951681
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002951681>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

H39	MORRO BAY RV & MARINE	CUPA Listings	S102822567
SSE	1598 MAIN ST		N/A
1/8-1/4	MORRO BAY, CA 93442		
0.220 mi.			
1159 ft.	Site 2 of 2 in cluster H		

Relative:	CUPA SAN LUIS OBISPO:	
Lower	Facility Id:	FA0002316
	Program Element Code:	0705
	Program Element:	STATE SITE SURCHARGE
Actual:	Record Id:	PR0006861
25 ft.	Cross Street:	Not reported
	Status Code:	02
	Status:	Inactive, non-billable
	Latitude:	35.37730
	Longitude:	-120.85392
	Facility Id:	FA0002316
	Program Element Code:	0726
	Program Element:	HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
	Record Id:	PR0001810
	Cross Street:	Not reported
	Status Code:	01
	Status:	Active, billable
	Latitude:	35.37730
	Longitude:	-120.85392
	Facility Id:	FA0002316
	Program Element Code:	1126
	Program Element:	HAZWASTE GEN (1-5 WASTE STREAMS)
	Record Id:	PR0002316
	Cross Street:	Not reported
	Status Code:	01
	Status:	Active, billable
	Latitude:	35.37730
	Longitude:	-120.85392

G40	ERIC'S MUFFLER & WELDING	CUPA Listings	S110743555
North	2190 MAIN ST B		N/A
1/8-1/4	MORRO BAY, CA 93442		
0.225 mi.			
1186 ft.	Site 2 of 3 in cluster G		

Relative:	CUPA SAN LUIS OBISPO:	
Higher	Facility Id:	FA0001605
	Program Element Code:	0705
	Program Element:	STATE SITE SURCHARGE
Actual:	Record Id:	PR0006491
35 ft.	Cross Street:	Not reported
	Status Code:	02
	Status:	Inactive, non-billable
	Latitude:	35.38463
	Longitude:	-120.85667
	Facility Id:	FA0001605
	Program Element Code:	0726
	Program Element:	HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
	Record Id:	PR0001605
	Cross Street:	Not reported
	Status Code:	01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ERIC'S MUFFLER & WELDING (Continued)

S110743555

Status: Active, billable
Latitude: 35.38463
Longitude: -120.85667

G41
North
1/8-1/4
0.225 mi.
1186 ft.
SHORTY & SON AUTO SERVICE
2190 MAIN ST
MORRO BAY, CA 93442
Site 3 of 3 in cluster G

CUPA Listings **S100945015**
N/A

Relative: CUPA SAN LUIS OBISPO:
Higher Facility Id: FA0002178
Program Element Code: 0711
Actual: Program Element: HAZMAT DISCLOSURE/WASTE GEN ONLY > TQ
35 ft. Record Id: PR0006743
Cross Street: Not reported
Status Code: 04
Status: Active, exempt from billing
Latitude: 35.38463
Longitude: -120.85665

Facility Id: FA0002178
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0002178
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.38463
Longitude: -120.85665

42
SE
1/8-1/4
0.225 mi.
1190 ft.
CITY OF MORRO BAY
1 QUINTANA RD
MORRO BAY, CA 93442

UST **U003433797**
N/A

Relative: UST:
Higher Facility ID: FA0002943
Permitting Agency: SAN LUIS OBISPO COUNTY
Actual: Latitude: 35.37828
30 ft. Longitude: -120.85277

43
WSW
1/4-1/2
0.283 mi.
1495 ft.
CITY OF MORRO BAY WWTP
MORRO BAY, CA 91416

Notify 65 **S100177966**
N/A

Relative: NOTIFY 65:
Lower Date Reported: Not reported
Staff Initials: Not reported
Actual: Board File Number: Not reported
12 ft. Facility Type: Not reported
Discharge Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF MORRO BAY WWTP (Continued)

S100177966

Issue Date: Not reported
Incident Description: Not reported

44
SE
1/4-1/2
0.291 mi.
1536 ft.

CENTRAL COAST SEAFOOD
FRONT & BEACH ST
MORRO BAY, CA 93442

LUST S110655205
N/A

Relative:
Higher

LUST:

Actual:
47 ft.

Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607900130
Global Id: T0607900130
Latitude: 35.3776961
Longitude: -120.8518534
Status: Completed - Case Closed
Status Date: 03/11/1989
Case Worker: Not reported
RB Case Number: 415
Local Agency: SAN LUIS OBISPO COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0607900130
Contact Type: Local Agency Caseworker
Contact Name: Linnea Grossman
Organization Name: SAN LUIS OBISPO COUNTY
Address: PO BOX 1489
City: SAN LUIS OBISPO
Email: lgrossman@co.slo.ca.us
Phone Number: 8057815544

LUST:

Global Id: T0607900130
Action Type: Other
Date: 01/29/1986
Action: Leak Reported

Global Id: T0607900130
Action Type: ENFORCEMENT
Date: 03/13/1986
Action: * Historical Enforcement

Global Id: T0607900130
Action Type: ENFORCEMENT
Date: 12/28/1988
Action: Closure/No Further Action Letter

Global Id: T0607900130
Action Type: Other
Date: 01/29/1986
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL COAST SEAFOOD (Continued)

S110655205

LUST:

Global Id:	T0607900130
Status:	Completed - Case Closed
Status Date:	03/11/1989
Global Id:	T0607900130
Status:	Open - Case Begin Date
Status Date:	01/29/1986
Global Id:	T0607900130
Status:	Open - Remediation
Status Date:	06/15/1987
Global Id:	T0607900130
Status:	Open - Verification Monitoring
Status Date:	03/12/1987

I45
SW
1/2-1
0.557 mi.
2939 ft.

SMALL ARMS/HIGH EXPLOSIVE MAGAZINES

UXO 1018150662
N/A

MORRO BAY, CA

Site 1 of 3 in cluster I

Relative:
Lower

UXO:

DoD Component:	FUDS
Sort Order:	5
Installation Name:	AMPHIBIOUS TRAINING BASE
Facility Address 2:	Not reported
Site ID:	010EW
Site Type:	Unknown Site Type
Latitude:	35.373611
Longitude:	-120.862500

Actual:
20 ft.

I46
SW
1/2-1
0.557 mi.
2939 ft.

AMPHIBIOUS TRAINING BASE

FUDS 1009484258
N/A

MORRO BAY, CA

Site 2 of 3 in cluster I

Relative:
Lower

FUDS:

EPA Region:	09
Congressional District:	24
FUDS Number:	J09CA2231
State:	CA
Facility Name:	AMPHIBIOUS TRAINING BASE
Fiscal Year:	2013
City:	MORRO BAY
Federal Facility ID:	CA9799F6885
Telephone:	213-452-3920
INST ID:	61974
County:	SAN LUIS OBISPO
RAB:	Not reported
CORPS_DIST:	Los Angeles District (SPL)
NPL Status:	Not Listed
CTC:	87.400000000000006

Actual:
20 ft.

EDR ID Number
EPA ID Number

1009484258

I47 SW	MORRO BAY AMPHIBIOUS TRAINING SITE	ENVIROSTOR	S109548328
1/2-1	MORRO BAY, CA		N/A
0.557 mi.			
2940 ft.	Site 3 of 3 in cluster I		
Relative:	ENVIROSTOR:		
Lower	Facility ID:	80000718	
	Status:	Inactive - Needs Evaluation	
Actual:	Status Date:	07/01/2005	
20 ft.	Site Code:	Not reported	
	Site Type:	Military Evaluation	
	Site Type Detailed:	FUDS	
	Acres:	1	
	NPL:	NO	
	Regulatory Agencies:	SMBRP	
	Lead Agency:	SMBRP	
	Program Manager:	Not reported	
	Supervisor:	Charles Ridenour	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

MORRO BAY AMPHIBIOUS TRAINING SITE (Continued)

S109548328

Division Branch: Cleanup Sacramento
Assembly: 35
Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 35.37361
Longitude: -120.8625
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC)
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F688500
Alias Type: Federal Facility ID
Alias Name: J09CA2231
Alias Type: INPR
Alias Name: 80000718
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
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

J48
South
1/2-1
0.601 mi.
3173 ft.

PG&E, MORRO BAY POWER PLANT
1290 EMBARCADERO, PO BOX 1617
MORRO BAY, CA 93443

Toxic Pits S100676377
N/A

Site 1 of 3 in cluster J

Relative:
Lower

TOXIC PITS:

Region: 03
Task #: 03006
Owner: PG&E-MORRO BAY POWER PLANT
1/2 Mi Limit: Y
Num. of Pits: 4
Cease Discharge Due: 12/31/88
Cease Discharge Complete: 06/27/88
Closure Due: 03/31/90
Closure Completed: 03/28/90
Status: ACTIVE
Hydro Geological Assessment Report Due: / /
Final Hydro Geological Assessment Review Completed: 12/04/87

Actual:
24 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J49
South
1/2-1
0.601 mi.
3173 ft.
Site 2 of 3 in cluster J

Relative:
Lower

Actual:
24 ft.

ENVIROSTOR
SLIC
AST
HIST UST
CUPA Listings
EMI
ENF
ICE
HWP
NPDES
WDS

U001585677
N/A

ENVIROSTOR:

Facility ID: 40490006
Status: Refer: RCRA
Status Date: 03/09/1983
Site Code: 100220
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: John Bystra
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Sacramento
Assembly: 35
Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 35.37358
Longitude: -120.8567
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: LSP MORRO BAY, LLC
Alias Type: Alternate Name
Alias Name: LSP MORRO BAY, LLC
Alias Type: Alternate Name
Alias Name: PACIFIC GAS & ELECTRIC - MORRO BAY
Alias Type: Alternate Name
Alias Name: CAT080011646
Alias Type: EPA Identification Number
Alias Name: 110000610287
Alias Type: EPA (FRS #)
Alias Name: 100220
Alias Type: Project Code (Site Code)
Alias Name: 40490006
Alias Type: Envirostor ID Number
Alias Name: 80001832
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Date: 02/01/1983
Comments: Facility Identified: Department of Health Services (DHS) Permitting Surveillance and Enforcement Section.

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

Facility ID: 80001832
Status: Active
Status Date: 01/01/2008
Site Code: 102147
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 193
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: John Bystra
Supervisor: Noel Shrum
Division Branch: Cleanup Sacramento
Assembly: 35
Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 35.37060
Longitude: -120.8556
APN: NONE SPECIFIED
Past Use: ELECTRIC GENERATION/SUBSTATION
Potential COC: Polychlorinated biphenyls (PCBs) Polynuclear aromatic hydrocarbons (PAHs) TPH-gas TPH-JET FUEL TPH-MOTOR OIL
Confirmed COC: 30019-NO 30025-NO 3002501-NO 3002502-NO 30018-NO
Potential Description: OTH, SOIL
Alias Name: Dynegy Morro Bay Power Plant, LLC
Alias Type: Alternate Name
Alias Name: PG&E MORRO BAY POWER PLANT
Alias Type: Alternate Name
Alias Name: PG&E MORRO BAY POWER PLANT
Alias Type: Alternate Name
Alias Name: CAT080011646
Alias Type: EPA Identification Number
Alias Name: 110000610287
Alias Type: EPA (FRS #)
Alias Name: SL203431377
Alias Type: GeoTracker Global ID
Alias Name: 100220
Alias Type: Project Code (Site Code)
Alias Name: 102147
Alias Type: Project Code (Site Code)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Alias Name: 40490006
Alias Type: Envirostor ID Number
Alias Name: 80001832
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 10/18/2006
Comments: This signed consent agreement was signed on 9/20/2006 by PG&E, and by DTSC on 10/18/2006. It is being uploaded after the fact.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OIL TRANSFER AREA
Completed Document Type: * CA Process is Terminated
Completed Date: 12/30/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: RFI Report
Completed Date: 06/27/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 03/29/1995
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: RFI Report
Completed Date: 08/21/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 11/01/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OIL TRANSFER AREA
Completed Document Type: Interim Measures Implementation Report
Completed Date: 01/06/1998
Comments: On 1/6/98, DTSC verified completion of final corrective action process for oil transfer pond.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/18/1990
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TRANSFORMER CONT. & ROCK BLOTTER AREA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Document Type: RFI Report
Completed Date: 01/16/1996
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 06/30/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 05/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 05/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/28/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2012
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/08/2014
Comments: This is the DTSC approval letter for the RFI Report and the Technical Memo for metals in groundwater

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 10/03/2011
Comments: The suggested additional activities were acceptable.

Completed Area Name: Upper Tank Farm
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/08/2014
Comments: This is the DTSC approval letter for the RFI Report and the Technical Memo for metals in groundwater

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2013
Comments: The DTSC letter requested changes to future reports or a response to comments document, thus the initial report was Final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2013
Comments: The DTSC letter requested changes to future reports or a response to comments document, thus the initial report was Final.

Completed Area Name: Upper Tank Farm
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2013
Comments: Not reported

Completed Area Name: Upper Tank Farm
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 04/08/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 07/09/2013
Comments: The draft version was sufficient for approving, and DTSC comments will be addressed in the subsequent report submitted to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2013
Comments: Toxicology was satisfied with the TPH screening in soil, and this the work does not need to be implemented, and another path will be used to address the AOC 1 soil at the facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2014
Comments: The draft report was accepted as final on 2/7/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: All AOCs, but excluding the power blocks
Completed Document Type: RFI Report
Completed Date: 06/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/31/2014
Comments: The Work Plan was approved on 7/31/2014 with minor comments made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/24/2015
Comments: The Report was found acceptable by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/21/2014
Comments: The fieldwork was completed at Morro Bay Power Plant, and notes will be uploaded into Envirosstor once they are completed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Area Name: Upper Tank Farm
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/26/2011
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/30/1986
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OIL TRANSFER AREA
Completed Document Type: Corrective Action Completion Determination
Completed Date: 01/06/1998
Comments: CORRECTIVE ACTION HAS OCCURED AT THIS AREA OF THE FACILITY AND HAS BEEN COMPLETED. BASED ON EXISTING INFORMATION, THERE IS NO FURTHER CORRECTIVE ACTION NECESSARY AT THE OIL TRANSFER POND OF THE SITE DUE TO THE REMEDIAL ACTIONS THAT HAVE BEEN CONDUCTED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 11/13/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 12/11/2015
Comments: The pre-HARP was signed before the site visit on 12/16/2015.

Completed Area Name: Upper Tank Farm
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 04/30/2014
Comments: DTSC issued a no further action determination for the Upper Tank Farm portion of the Morro Bay Power plant site, and this will be followed up by a termination and satisfaction letter for the voluntary cleanup agreement between PG&E and DTSC.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 02/17/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Date: 01/01/1996
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OIL TRANSFER AREA
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 12/20/1995
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OIL TRANSFER AREA
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 11/13/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: RFI Workplan
Completed Date: 10/25/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/27/1995
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: Corrective Measures Study Report
Completed Date: 04/27/1992
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TRANSFORMER CONT. & ROCK BLOTTER AREA
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/27/1996
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OIL TRANSFER AREA
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/30/1994
Comments: Not reported

Completed Area Name: Upper Tank Farm
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 06/13/2014
Comments: This event was completed earlier than anticipated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/03/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 04/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 01/01/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/02/2017
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: AOC 1: Tank Farm
Completed Document Type: Correspondence
Completed Date: 02/05/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 08/14/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 06/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Permit Modification Authority
Completed Date: 06/27/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 10/05/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/16/2015
Comments: Comments were submitted by both HERO personnel, and are attached for reference. These CSM documents are not approvable by themselves and were submitted primarily for discussion, and the Envirostor events are being closed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/05/2015
Comments: Comments were submitted by both HERO personnel, and are attached for reference. These CSM documents are not approvable by themselves and were submitted primarily for discussion, and the Envirostor events are being closed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2017
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: AOC 2: Beach Valve Area
Completed Document Type: Technical Workplan
Completed Date: 03/09/2016
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: AOC 2: Beach Valve Area
Completed Document Type: Technical Report
Completed Date: 05/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2017
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: FORMER CONST. STORAGE AREA
Completed Document Type: Interim Measures Questionnaire
Completed Date: 09/22/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: OIL TRANSFER AREA
Completed Document Type: * CA Process is Terminated
Completed Date: 12/30/1997
Comments: Not reported

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DYNEGY MORRO BAY LLC (Continued)

U001585677

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 04/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 10/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2014
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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Corrective Action Completion Determination
Schedule Due Date: 04/16/2018
Schedule Revised Date: Not reported

SLIC REG 3:

Region: 3
Leak Site Cross Street: Not reported
Regional Board Case#: SL203431377
Entered Into Database: Not reported
Discovered: Not reported
RB Case In: DUKE ENERGY
Responsible Party: BARRY LAJOIE
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 1290 EMBARCADERO RD.
RP City,St,Zip: MORRO BAY, CA 93442
Date First Reported: Not reported
Lead Agency: Not reported
Program Type: SLIC
Facility Status: Post Remediation Action Monitoring

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DYNEGY MORRO BAY LLC (Continued)

U001585677

Case Type: F, O
Case Type Undetermined: No
Case Type Soil Impacted: No
Case Type Surface Water: Yes
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: No
Case Type Other Grnd Wtr: Yes
PCA: 2034300

AST:

Certified Unified Program Agencies: Not reported
Owner: DYNEGY MORRO BAY, LC
Total Gallons: Not reported
CERSID: 10437355
Facility ID: Not reported
Business Name: MORRO BAY POWER PLANT
Phone: (805) 543-7781
Fax: (805) 595-4267
Mailing Address: 1290 EMBARCADERO
Mailing Address City: MORRO BAY
Mailing Address State: CA
Mailing Address Zip Code: 93442
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: 1290 EMBARCADERO RD
Owner State: CA
Owner Zip Code: 93442
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000006779
Facility Type: Other
Other Type: POWER PLANT
Contact Name: WILLIAM F. GRIFFITHS
Telephone: 8057722741
Owner Name: PACIFIC GAS AND ELECTRIC COMPA
Owner Address: 77 BEALE STREET
Owner City,St,Zip: SAN FRANCISCO, CA 94106
Total Tanks: 0037

Tank Num: 001
Container Num: 0000000001
Year Installed: 1954
Tank Capacity: 00000100

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MAP FINDINGS

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

U001585677

Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/6
Leak Detection: Visual

Tank Num: 002
Container Num: 0000000002
Year Installed: 1954
Tank Capacity: 00000100
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/6
Leak Detection: Visual

Tank Num: 003
Container Num: 0000000003
Year Installed: 1954
Tank Capacity: 00000100
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/6
Leak Detection: Visual

Tank Num: 004
Container Num: 0000000004
Year Installed: 1974
Tank Capacity: 00000400
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 005
Container Num: 0000000005
Year Installed: 1974
Tank Capacity: 00000075
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 006
Container Num: 0000000006
Year Installed: 1974
Tank Capacity: 00000195
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 007
Container Num: 0000000007
Year Installed: 1974
Tank Capacity: 00000195
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12

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MAP FINDINGS

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

U001585677

Leak Detection:	Visual
Tank Num:	008
Container Num:	0000000008
Year Installed:	1974
Tank Capacity:	00000195
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Visual
Tank Num:	009
Container Num:	0000000009
Year Installed:	1974
Tank Capacity:	00000190
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Visual
Tank Num:	010
Container Num:	0000000010
Year Installed:	1974
Tank Capacity:	00000195
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Visual
Tank Num:	011
Container Num:	0000000011
Year Installed:	1974
Tank Capacity:	00000020
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	8
Leak Detection:	Visual
Tank Num:	012
Container Num:	0000000012
Year Installed:	1974
Tank Capacity:	00000060
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	8
Leak Detection:	Visual
Tank Num:	013
Container Num:	0000000013
Year Installed:	1974
Tank Capacity:	00001500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Visual
Tank Num:	014

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MAP FINDINGS

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EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Container Num: 0000000014
Year Installed: 1954
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 015
Container Num: 0000000015
Year Installed: 1954
Tank Capacity: 00002800
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 36
Leak Detection: Visual

Tank Num: 016
Container Num: 0000000016
Year Installed: 1962
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 18
Leak Detection: Visual

Tank Num: 017
Container Num: 0000000017
Year Installed: 1962
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 18
Leak Detection: Visual

Tank Num: 018
Container Num: 0000000018
Year Installed: 1974
Tank Capacity: 00009500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 019
Container Num: 0000000019
Year Installed: 1954
Tank Capacity: 00034000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 020
Container Num: 0000000020
Year Installed: 1954
Tank Capacity: 00009500

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 021
Container Num: 0000000021
Year Installed: 1954
Tank Capacity: 00011000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 18
Leak Detection: Not reported

Tank Num: 022
Container Num: 0000000022
Year Installed: 1954
Tank Capacity: 00011000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 18
Leak Detection: Visual

Tank Num: 023
Container Num: 0000000023
Year Installed: 1962
Tank Capacity: 00006500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 18
Leak Detection: Visual

Tank Num: 024
Container Num: 0000000024
Year Installed: 1962
Tank Capacity: 00006500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 18
Leak Detection: Visual

Tank Num: 025
Container Num: 0000000025
Year Installed: 1977
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 16
Leak Detection: Visual

Tank Num: 026
Container Num: 0000000026
Year Installed: 1977
Tank Capacity: 00004800
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6

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MAP FINDINGS

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

U001585677

Leak Detection:	Visual
Tank Num:	027
Container Num:	0000000027
Year Installed:	1977
Tank Capacity:	00440000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	4
Leak Detection:	Visual
Tank Num:	028
Container Num:	0000000028
Year Installed:	1977
Tank Capacity:	00400000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	4
Leak Detection:	Visual
Tank Num:	029
Container Num:	0000000029
Year Installed:	1977
Tank Capacity:	00140000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	4
Leak Detection:	Visual
Tank Num:	030
Container Num:	0000000030
Year Installed:	1962
Tank Capacity:	00150000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	4
Leak Detection:	Visual
Tank Num:	031
Container Num:	0000000031
Year Installed:	1974
Tank Capacity:	00001500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Visual
Tank Num:	032
Container Num:	0000000032
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Visual
Tank Num:	033

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

U001585677

Container Num: 0000000033
Year Installed: 1974
Tank Capacity: 00012000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 034
Container Num: 0000000034
Year Installed: 1974
Tank Capacity: 00000030
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 035
Container Num: 0000000035
Year Installed: 1974
Tank Capacity: 00000035
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 036
Container Num: 0000000036
Year Installed: 1974
Tank Capacity: 00000035
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 037
Container Num: 0000000037
Year Installed: 1975
Tank Capacity: 00000035
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 6
Leak Detection: Visual

CUPA SAN LUIS OBISPO:

Facility Id: FA0002174
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0006740
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37200
Longitude: -120.85428

Facility Id: FA0002174
Program Element Code: 0726

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

U001585677

Program Element: HAZMAT DISCLOSURE - 1-4 HAZARDOUS MATERIALS
Record Id: PR0001600
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37200
Longitude: -120.85428

Facility Id: FA0002174
Program Element Code: 1000
Program Element: HAZWASTE GEN (RCRA-LQG)
Record Id: PR0010368
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37200
Longitude: -120.85428

Facility Id: FA0002174
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0017371
Cross Street: Not reported
Status Code: 01
Status: Active, billable
Latitude: 35.37200
Longitude: -120.85428

Facility Id: FA0002174
Program Element Code: 1129
Program Element: HAZWASTE GEN (6+ WASTE STREAMS)
Record Id: PR0002174
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37200
Longitude: -120.85428

Facility Id: FA0002174
Program Element Code: 1201
Program Element: AGT ANNUAL TANK PERMIT
Record Id: PR0014552
Cross Street: Not reported
Status Code: 02
Status: Inactive, non-billable
Latitude: 35.37200
Longitude: -120.85428

EMI:

Year: 1997
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported

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EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 9
Carbon Monoxide Emissions Tons/Yr: 320
NOX - Oxides of Nitrogen Tons/Yr: 329
SOX - Oxides of Sulphur Tons/Yr: 5
Particulate Matter Tons/Yr: 24
Part. Matter 10 Micrometers and Smlr Tons/Yr:24

Year: 1998
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 119
Reactive Organic Gases Tons/Yr: 60
Carbon Monoxide Emissions Tons/Yr: 910
NOX - Oxides of Nitrogen Tons/Yr: 437
SOX - Oxides of Sulphur Tons/Yr: 6
Particulate Matter Tons/Yr: 82
Part. Matter 10 Micrometers and Smlr Tons/Yr:82

Year: 1999
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 166
Reactive Organic Gases Tons/Yr: 83
Carbon Monoxide Emissions Tons/Yr: 1264
NOX - Oxides of Nitrogen Tons/Yr: 696
SOX - Oxides of Sulphur Tons/Yr: 9
Particulate Matter Tons/Yr: 114
Part. Matter 10 Micrometers and Smlr Tons/Yr:114

Year: 2000
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 284
Reactive Organic Gases Tons/Yr: 142
Carbon Monoxide Emissions Tons/Yr: 3186
NOX - Oxides of Nitrogen Tons/Yr: 1685
SOX - Oxides of Sulphur Tons/Yr: 15

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DYNEGY MORRO BAY LLC (Continued)

U001585677

Particulate Matter Tons/Yr: 195
Part. Matter 10 Micrometers and Smlr Tons/Yr:195

Year: 2001
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 226
Reactive Organic Gases Tons/Yr: 113
Carbon Monoxide Emissions Tons/Yr: 3128
NOX - Oxides of Nitrogen Tons/Yr: 838
SOX - Oxides of Sulphur Tons/Yr: 12
Particulate Matter Tons/Yr: 155
Part. Matter 10 Micrometers and Smlr Tons/Yr:155

Year: 2002
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 81
Reactive Organic Gases Tons/Yr: 41
Carbon Monoxide Emissions Tons/Yr: 957
NOX - Oxides of Nitrogen Tons/Yr: 288
SOX - Oxides of Sulphur Tons/Yr: 4
Particulate Matter Tons/Yr: 56
Part. Matter 10 Micrometers and Smlr Tons/Yr:56

Year: 2003
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 126
NOX - Oxides of Nitrogen Tons/Yr: 52
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 11
Part. Matter 10 Micrometers and Smlr Tons/Yr:11

Year: 2004
County Code: 40
Air Basin: SCC

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DYNEGY MORRO BAY LLC (Continued)

U001585677

Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 18.376
Reactive Organic Gases Tons/Yr: 8.1111042
Carbon Monoxide Emissions Tons/Yr: 142.785
NOX - Oxides of Nitrogen Tons/Yr: 51.999
SOX - Oxides of Sulphur Tons/Yr: 1.016
Particulate Matter Tons/Yr: 12.293
Part. Matter 10 Micrometers and Smlr Tons/Yr: 12.292184

Year: 2005
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17.363
Reactive Organic Gases Tons/Yr: 7.5080981
Carbon Monoxide Emissions Tons/Yr: 132.823
NOX - Oxides of Nitrogen Tons/Yr: 49.51
SOX - Oxides of Sulphur Tons/Yr: .954
Particulate Matter Tons/Yr: 11.782
Part. Matter 10 Micrometers and Smlr Tons/Yr: 11.781904

Year: 2006
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17.7294
Reactive Organic Gases Tons/Yr: 7.61754348
Carbon Monoxide Emissions Tons/Yr: 117.9256
NOX - Oxides of Nitrogen Tons/Yr: 54.8922
SOX - Oxides of Sulphur Tons/Yr: .9947
Particulate Matter Tons/Yr: 12.092
Part. Matter 10 Micrometers and Smlr Tons/Yr: 12.0918776

Year: 2007
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported

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DYNEGY MORRO BAY LLC (Continued)

U001585677

Total Organic Hydrocarbon Gases Tons/Yr: 27.876
Reactive Organic Gases Tons/Yr: 11.86307
Carbon Monoxide Emissions Tons/Yr: 118.541
NOX - Oxides of Nitrogen Tons/Yr: 88.082
SOX - Oxides of Sulphur Tons/Yr: 1.562
Particulate Matter Tons/Yr: 19.16
Part. Matter 10 Micrometers and Smlr Tons/Yr:19.15952

Year: 2008
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.129
Reactive Organic Gases Tons/Yr: 2.306503
Carbon Monoxide Emissions Tons/Yr: 43.94
NOX - Oxides of Nitrogen Tons/Yr: 16.171
SOX - Oxides of Sulphur Tons/Yr: .293
Particulate Matter Tons/Yr: 3.39
Part. Matter 10 Micrometers and Smlr Tons/Yr:3.389448

Year: 2009
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14.348000000000001
Reactive Organic Gases Tons/Yr: 6.1094284999999999
Carbon Monoxide Emissions Tons/Yr: 128.53750149999999
NOX - Oxides of Nitrogen Tons/Yr: 52.441000000000003
SOX - Oxides of Sulphur Tons/Yr: 0.8050000000000005
Particulate Matter Tons/Yr: 9.855999999999999
Part. Matter 10 Micrometers and Smlr Tons/Yr:9.855855999999993

Year: 2010
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.4029999999999996
Reactive Organic Gases Tons/Yr: 2.3945107999999999
Carbon Monoxide Emissions Tons/Yr: 48.216999999999999
NOX - Oxides of Nitrogen Tons/Yr: 15.863
SOX - Oxides of Sulphur Tons/Yr: 0.29299999999999998
Particulate Matter Tons/Yr: 3.5990000000000002

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DYNEGY MORRO BAY LLC (Continued)

U001585677

Part. Matter 10 Micrometers and Smlr Tons/Yr:3.5988799999999999

Year: 2011
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7.193
Reactive Organic Gases Tons/Yr: 3.1589533
Carbon Monoxide Emissions Tons/Yr: 31.572
NOX - Oxides of Nitrogen Tons/Yr: 18.815
SOX - Oxides of Sulphur Tons/Yr: 0.393
Particulate Matter Tons/Yr: 4.951
Part. Matter 10 Micrometers and Smlr Tons/Yr:4.950424

Year: 2012
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 11.6620107
Reactive Organic Gases Tons/Yr: 4.961407942
Carbon Monoxide Emissions Tons/Yr: 103.785474
NOX - Oxides of Nitrogen Tons/Yr: 33.5578355
SOX - Oxides of Sulphur Tons/Yr: 0.6539245
Particulate Matter Tons/Yr: 8.0296165
Part. Matter 10 Micrometers and Smlr Tons/Yr:8.029055896

Year: 2013
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.9444335
Reactive Organic Gases Tons/Yr: 2.1410242662
Carbon Monoxide Emissions Tons/Yr: 34.1689
NOX - Oxides of Nitrogen Tons/Yr: 13.0972101
SOX - Oxides of Sulphur Tons/Yr: 0.2950569
Particulate Matter Tons/Yr: 3.3684471
Part. Matter 10 Micrometers and Smlr Tons/Yr:3.3679068816

Year: 2014
County Code: 40
Air Basin: SCC
Facility ID: 8

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.9444335
Reactive Organic Gases Tons/Yr: 2.2283338952
Carbon Monoxide Emissions Tons/Yr: 34.1689
NOX - Oxides of Nitrogen Tons/Yr: 13.0972101
SOX - Oxides of Sulphur Tons/Yr: 0.2950569
Particulate Matter Tons/Yr: 3.3684471
Part. Matter 10 Micrometers and Smllr Tons/Yr:3.3679068816

Year: 2015
County Code: 40
Air Basin: SCC
Facility ID: 8
Air District Name: SLO
SIC Code: 4911
Air District Name: SAN LUIS OBISPO COUNTY APCD
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: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

ENF:

Region: 3
Facility Id: 220808
Agency Name: Morro Bay Power Plant
Place Type: Utility
Place Subtype: Power Plant
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 35.370454
Place Longitude: -120.856147
SIC Code 1: 4911
SIC Desc 1: Electric Services
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 668
Threat To Water Quality: 1

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDISNLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 402003002
Reg Measure Id:	146986
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1995-0028
Npdes# CA#:	CA0003743
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/02/2015
Effective Date:	03/10/1995
Expiration/Review Date:	03/10/2000
Termination Date:	11/13/2014
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	400739
Region:	3
Order / Resolution Number:	R3-2015-0019
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/11/2015
Adoption/Issuance Date:	06/11/2015
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	04/28/2015
Status:	Active
Title:	ACL R3-2015-0019 for Morro Bay Power Plant
Description:	EPL Offer to resolve one MMP violation for \$3,000.
Program:	NPDISNLRG
Latest Milestone Completion Date:	2015-08-24
# Of Programs1:	1
Total Assessment Amount:	3000
Initial Assessed Amount:	1500
Liability \$ Amount:	1500
Project \$ Amount:	0

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Liability \$ Paid:	1500
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	1500
Region:	3
Facility Id:	220808
Agency Name:	Morro Bay Power Plant
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.370454
Place Longitude:	-120.856147
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	668
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES DLRG
Program Category1:	NPDES WW
Program Category2:	NPDES WW
# Of Programs:	1
WDID:	3 402003002
Reg Measure Id:	146986
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1995-0028
Npdes# CA#:	CA0003743
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/02/2015
Effective Date:	03/10/1995
Expiration/Review Date:	03/10/2000
Termination Date:	11/13/2014

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	353202
Region:	3
Order / Resolution Number:	SWB-2008-3-0008
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/19/2008
Adoption/Issuance Date:	11/19/2008
Achieve Date:	Not reported
Termination Date:	11/24/2008
ACL Issuance Date:	07/01/2008
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Expedited Payment Letter for Morro Bay Power Plant
Description:	MMP for 5 violations: Mandatory Minimum Penalty Amount Owed for Effluent Violations (0 Serious Violations + 5 Chronic Violations) + \$3,000 = \$15,000 to the Cleanup & Abatement Account
Program:	NPDINDLRG
Latest Milestone Completion Date:	2008-12-01
# Of Programs1:	1
Total Assessment Amount:	15000
Initial Assessed Amount:	15000
Liability \$ Amount:	15000
Project \$ Amount:	0
Liability \$ Paid:	15000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	15000
Region:	3
Facility Id:	220808
Agency Name:	Morro Bay Power Plant
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.370454
Place Longitude:	-120.856147
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	668
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDISNLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	3 402003002
Reg Measure Id:	146986
Reg Measure Type:	NPDES Permits
Region:	3
Order #:	R3-1995-0028
Npdes# CA#:	CA0003743
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/02/2015
Effective Date:	03/10/1995
Expiration/Review Date:	03/10/2000
Termination Date:	11/13/2014
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	255911
Region:	3
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	01/11/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/11/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 3 402003002
Description:	Discharge of decomposed organic material from cooling water tunnel.

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	220808
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.370454
Place Longitude:	-120.856147
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

301H: Not reported
Application Fee Amt Received: Not reported
Status: Not reported
Status Date: Not reported
Effective Date: Not reported
Expiration/Review Date: Not reported
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: Not reported
Individual/General: Not reported
Fee Code: Not reported
Direction/Voice: Not reported
Enforcement Id(EID): 255125
Region: 3
Order / Resolution Number: R3-2005-0030
Enforcement Action Type: Admin Civil Liability
Effective Date: 01/11/2005
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 02/11/2005
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 3 402003002
Description: Complaint for effluent violations that occurred between 1/31/02 and 3/31/02 and between 3/2/03 and 6/6/03.
Program: NPDESWW
Latest Milestone Completion Date: 2005-02-10
Of Programs1: 1
Total Assessment Amount: 12000
Initial Assessed Amount: 0
Liability \$ Amount: 12000
Project \$ Amount: 0
Liability \$ Paid: 12000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 12000

ICE:

Envirostor ID: 3000964
EPA ID: CAT080011646
Site Type: INSPECTION
Facility Status: No Action

Inspection:

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 08/12/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Operation and Maintenance - Treatment, Storage and Disposal
Action Date: 04/22/1999
Violation Class: No Violations

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	10/30/2002
Violation Class:	Class 1
RTC Date:	01/06/2003
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/20/2005
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	12/11/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	01/17/2008
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	09/26/2005
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/26/2000
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	09/24/2003
Violation Class:	Minor
RTC Date:	11/07/2003
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	10/21/2003
Violation Class:	Minor
RTC Date:	11/21/2003
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/21/2011
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	06/10/2014
Violation Class:	No Violations
RTC Date:	Not reported

HWP:

EPA Id:	CAT080011646
Cleanup Status:	CLOSED
Latitude:	35.37044

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Longitude: -120.8561
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: MUZHDA FEROUZ
Supervisor: Not reported
Site Code: 100220
Assembly District: 35
Senate District: 17
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 04/30/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 01/15/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 04/20/1999

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 07/29/2009

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description: New Operating Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/05/1986

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 05/08/1985

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating

Map ID
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MAP FINDINGS

DYNEGY MORRO BAY LLC (Continued)

U001585677

Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (END)
Actual Date:	06/20/1988
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - RESPONSE TO 3RD NOD RECEIVED
Actual Date:	08/14/1987
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date:	04/29/1988
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	05/06/1988
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description:	Renewal - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	04/10/1999
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description:	Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date:	06/15/1998
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date:	02/20/1999
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date:	06/30/1999

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MAP FINDINGS

DYNEGY MORRO BAY LLC (Continued)

U001585677

EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	06/30/1988
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	11/06/1985
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description:	Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date:	06/04/1999
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	08/14/1993
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	08/14/1988
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	05/06/1988
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description:	Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date:	04/20/1999
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Unit Names:	LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description:	New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	02/21/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 07/29/1999

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit)
Event Description: New Operating Permit - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 07/15/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/02/1999

Closure:
EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/17/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 05/15/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 09/29/1989

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 11/16/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: LVWPOND1-Low volume waste Pond (GPRA Unit), MCRWPOND1-Rinse Waste Pond (GPRA Unit), MCWPOND1-Metal Cleaning Waste Pond (GPRA Unit), OILSLGPND1- Oil Sludge Pond (GPRA Unit), OTPOND1 (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 08/15/2008

EPA Id: CAT080011646

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 07/20/1986

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 08/29/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 07/30/1987

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 07/20/1986

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 04/22/1989

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Unit Names: OILSLGPND1- Oil Sludge Pond (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/20/1987

Alias:
EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 100220

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000610287

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 40490006

EPA Id: CAT080011646
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 40490006

EPA Id: CAT080011646

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Facility Type:	Historical - Non-Operating
Alias Type:	Alternate Name
Alias:	Dynegy Morro Bay Power Plant, LLC
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Alias Type:	Alternate Name
Alias:	PG&E MORRO BAY POWER PLANT
EPA Id:	CAT080011646
Facility Type:	Historical - Non-Operating
Alias Type:	Alternate Name
Alias:	PG&E MORRO BAY POWER PLANT

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	3
Regulatory Measure Id:	356742
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	3 40I021953
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:	06/12/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	12/08/2008
PROCESSED DATE:	12/11/2008
STATUS CODE NAME:	Terminated
STATUS DATE:	06/12/2015
PLACE SIZE:	107
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Rex Lewis
FACILITY CONTACT TITLE:	Managing Director
FACILITY CONTACT PHONE:	831-633-6698
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	rex.lewis@dynegy.com
OPERATOR NAME:	Dynegy Morro Bay LLC
OPERATOR ADDRESS:	1290 Embarcadero
OPERATOR CITY:	Morro Bay
OPERATOR STATE:	California
OPERATOR ZIP:	93442
OPERATOR CONTACT NAME:	Ninah Rhodes Hartley
OPERATOR CONTACT TITLE:	Environmental Scientist
OPERATOR CONTACT PHONE:	805-540-1541
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Ninah.R.Hartley@dynegy.com
OPERATOR TYPE:	Private Business

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	831-229-5855
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 COMMERCIAL 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:	Morro Bay Willow Camp Creek
CERTIFIER NAME:	Rex Lewis
CERTIFIER TITLE:	Managing Director
CERTIFICATION DATE:	23-FEB-15
PRIMARY SIC:	4911-Electric Services
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	3
Regulatory Measure Id:	441532
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	3 40C367959
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:	11/22/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/04/2013
PROCESSED DATE:	10/11/2013
STATUS CODE NAME:	Terminated

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

STATUS DATE:	11/25/2013
PLACE SIZE:	3.1
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Fred Flint
FACILITY CONTACT TITLE:	Project Manager
FACILITY CONTACT PHONE:	925-415-6349
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	FXF5@PGE.com
OPERATOR NAME:	Pacific Gas and Electric Company
OPERATOR ADDRESS:	3401 Crow Canyon Road
OPERATOR CITY:	San Ramon
OPERATOR STATE:	California
OPERATOR ZIP:	94583
OPERATOR CONTACT NAME:	Jeff Smyly
OPERATOR CONTACT TITLE:	Water Quality Manager
OPERATOR CONTACT PHONE:	925-415-6385
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	J8s2@PGE.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Pacific Gas and Electric Company
DEVELOPER ADDRESS:	3401 Crow Canyon Road
DEVELOPER CITY:	San Ramon
DEVELOPER STATE:	California
DEVELOPER ZIP:	94583
DEVELOPER CONTACT NAME:	Fred Flint
DEVELOPER CONTACT TITLE:	Project Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	925-487-1839
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Environmental Remediation
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	Y
RECEIVING WATER NAME:	Morro Creek, Morro Bay Estuary
CERTIFIER NAME:	Jeff Smyly
CERTIFIER TITLE:	Water Quality Manager
CERTIFICATION DATE:	04-OCT-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

Region: 3
Regulatory Measure Id: 356742
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 3 401021953
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/11/2008
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 06/12/2015
Discharge Name: Dynegy Morro Bay LLC
Discharge Address: 1290 Embarcadero
Discharge City: Morro Bay
Discharge State: California
Discharge Zip: 93442
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY 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 NAME: 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 NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: 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 DESRIPTION: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

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 NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CA0003743
Facility Status:	Historical
Agency Id:	13289
Region:	3
Regulatory Measure Id:	146986
Order No:	R3-1995-0028
Regulatory Measure Type:	NPDES Permits
Place Id:	220808
WDID:	3 402003002
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	03/10/1995
Effective Date Of Regulatory Measure:	03/10/1995
Expiration Date Of Regulatory Measure:	03/10/2000
Termination Date Of Regulatory Measure:	11/13/2014
Discharge Name:	Morro Bay Power Plant
Discharge Address:	1290 Embarcadero
Discharge City:	Morro Bay
Discharge State:	CA
Discharge Zip:	93443-1737
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY 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 NAME:	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

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	Central Coastal 40I018779
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:	3
Facility Telephone:	8055954200
Facility Contact:	Steven C Goschke
Agency Name:	DUKE ENERGY MORRO BAY LLC
Agency Address:	1290 Embarcadero
Agency City,St,Zip:	Morro Bay 93442
Agency Contact:	Steven C Goschke
Agency Telephone:	8055954200
Agency Type:	Private
SIC Code:	4911

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

U001585677

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 those who 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.

J50
South
1/2-1
0.601 mi.
3173 ft.
Relative:
Lower
Actual:
24 ft.

DYNEGY MORRO BAY LLC
1290 EMBARCADERO RD
MORRO BAY, CA 93442
Site 3 of 3 in cluster J

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-LQG
2020 COR ACTION
ICIS
US AIRS
FINDS

1000197668
CAT080011646

SEMS-ARCHIVE:
Site ID: 903225
EPA ID: CAT080011646
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0903225
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13290585.00000
Person ID: 13003854.00000

Contact Sequence ID: 13296180.00000
Person ID: 13003858.00000

Contact Sequence ID: 13302038.00000
Person ID: 13004003.00000

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/87
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 11/18/90
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 11/18/90
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: RESOURCE CONSERVATION AND RECOVERY ACT FACILITY ASSESSMENT
Date Started: / /
Date Completed: 09/24/86
Priority Level: Not reported

CORRACTS:

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19891201
Action: CA000
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19960101
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 19960101
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19890601
Action: CA000
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Actual Date: 20111003
Action: CA170 - RFI Supplemental Information Deemed Satisfactory
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120605
Action: CA190 - RFI Report Received
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20111201
Schedule end date: 20120605

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130605
Action: CA110 - RFI Workplan Received
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: OIL TRANSFER AREA
Actual Date: 19980106
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: OIL TRANSFER AREA
Actual Date: 19980106
Action: CA999RM - Corrective Action Process Terminated, Remedial Activities Completed
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 19980106
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20140108
Action: CA200 - RFI Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20140123
Schedule end date: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130709
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20130705
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20000410
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20000410
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20000410
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20000410
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: OIL TRANSFER AREA
Actual Date: 19971113
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971113
Action: CA550RC
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 19971113
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: TRANSFORMER CONT. & ROCK BLOTTER AREA
Actual Date: 19960116
Action: CA200 - RFI Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19930217
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: OIL TRANSFER AREA
Actual Date: 19951220
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19910821
Action: CA200 - RFI Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19910821
Action: CA200 - RFI Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20101221
Action: CA110 - RFI Workplan Received
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20101030
Schedule end date: 20101230

EPA ID: CAT080011646
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Area Name: ENTIRE FACILITY
Actual Date: 20141021
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20110222
Action: CA120 - RFI Workplan Modification Requested By Agency
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20110120
Schedule end date: 20110217

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20110222
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20110120
Schedule end date: 20110217

EPA ID: CAT080011646
EPA Region: 09
Area Name: ALL AOCS, BUT EXCLUDING THE POWER BLOCKS
Actual Date: 20160622
Action: CA200 - RFI Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19940922
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 19940922
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19940922
Action: CA225IN - Stabilization Measures Evaluation, This facility is not,

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available

NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19941025
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20110526
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 20110625
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20110926
Action: CA160 - RFI Supplemental Information Received
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19920427
Action: CA350 - CMS Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19920427
Action: CA250 - CMS Imposition
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19920427
Action: CA350 - CMS Approved
NAICS Code(s): 221112

Fossil Fuel Electric Power Generation

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19950627
Action: CA200 - RFI Approved
NAICS Code(s): 221112

Fossil Fuel Electric Power Generation

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19950627
Action: CA200 - RFI Approved
NAICS Code(s): 221112

Fossil Fuel Electric Power Generation

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: TRANSFORMER CONT. & ROCK BLOTTER AREA
Actual Date: 19960627
Action: CA350 - CMS Approved
NAICS Code(s): 221112

Fossil Fuel Electric Power Generation

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: ALL AOCS, BUT EXCLUDING THE POWER BLOCKS
Actual Date: 20150129
Action: CA190 - RFI Report Received
NAICS Code(s): 221112

Fossil Fuel Electric Power Generation

Original schedule date: 20141201

Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: OIL TRANSFER AREA
Actual Date: 19971230
Action: CA999NF - Corrective Action Process Terminated, No Further Action

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

NAICS Code(s): 221112
Fossil Fuel Electric Power Generation

Original schedule date: 19971230
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: OIL TRANSFER AREA
Actual Date: 19971230
Action: CA999NF - Corrective Action Process Terminated, No Further Action
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 19980228
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19930630
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: OIL TRANSFER AREA
Actual Date: 19940630
Action: CA350 - CMS Approved
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19860930
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 19860930
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09
Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19860930
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080011646
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Area Name: FORMER CONST. STORAGE AREA
Actual Date: 19860930
Action: CA050 - RFA Completed
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation
Original schedule date: 19860930
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 02/05/2015
Facility name: DYNEGY MORRO BAY LLC
Facility address: 1290 EMBARCADERO RD
MORRO BAY, CA 93442
EPA ID: CAT080011646
Mailing address: PO BOX 690
MOSS LANDING, CA 95039-0690
Contact: REX A LEWIS
Contact address: PO BOX 690
MOSS LANDING, CA 95039-0690
Contact country: US
Contact telephone: 831-633-6698
Contact email: REX.LEWIS@DYNEGY.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: DYNEGY MORRO BAY LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/02/2007
Owner/Op end date: Not reported

Owner/operator name: DYNEGY MORRO BAY LLC

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Owner/operator address: PO BOX 690
MOSS LANDING, CA 95039
Owner/operator country: US
Owner/operator telephone: 831-633-6698
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/1998
Owner/Op end date: Not reported

Owner/operator name: DYNEGY MORRO BAY LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/1998
Owner/Op end date: Not reported

Owner/operator name: DYNEGY MORRO BAY LLC
Owner/operator address: EMBARCADERO RD
MORRO BAY, CA 93442
Owner/operator country: Not reported
Owner/operator telephone: 805-595-4200
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/02/2007
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 151
. Waste name: Asbestos-containing waste

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

- . Waste code: 181
- . Waste name: Other inorganic solid waste

- . Waste code: 213
- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

- . Waste code: 214
- . Waste name: Unspecified solvent mixture

- . Waste code: 221
- . Waste name: Waste oil and mixed oil

- . Waste code: 223
- . Waste name: Unspecified oil-containing waste

- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: 352
- . Waste name: Other organic solids

- . Waste code: 551
- . Waste name: Laboratory waste chemicals

- . Waste code: 571
- . Waste name: Fly ash, bottom ash, and retort ash

- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups

- . Waste code: 725
- . Waste name: Liquids with mercury > 20 mg/l

- . Waste code: 751
- . Waste name: Solids or sludge with halogenated organic comp. > 1000 mg/kg

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 03/03/2014
Site name: DYNEGY MORRO BAY, LLC (MORRO BAY POWER PLANT)
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLORETHYLENE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- Date form received by agency: 03/15/2012
- Site name: DYNEGY MORRO BAY, LLC (MORRO BAY POWER PLANT)
- Classification: Large Quantity Generator

- . Waste code: 134
- . Waste name: Aqueous solution with <10% total organic residues

- . Waste code: 151
- . Waste name: Asbestos-containing waste

- . Waste code: 172
- . Waste name: Metal dust (see 121) and machining waste

- . Waste code: 181
- . Waste name: Other inorganic solid waste

- . Waste code: 213

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
- . Waste code: 214
- . Waste name: Unspecified solvent mixture
- . Waste code: 223
- . Waste name: Unspecified oil-containing waste
- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's
- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics
- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture
- . Waste code: 352
- . Waste name: Other organic solids
- . Waste code: 551
- . Waste name: Laboratory waste chemicals
- . Waste code: 571
- . Waste name: Fly ash, bottom ash, and retort ash
- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups
- . Waste code: 751
- . Waste name: Solids or sludge with halogenated organic comp. > 1000 mg/kg
- . Waste code: 791
- . Waste name: Liquids with pH < 2
- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D035

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

- . Waste name: METHYL ETHYL KETONE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
- Date form received by agency: 08/18/2010
- Site name: DYNEGY MORRO BAY, LLC (MORRO BAY POWER PLANT)
- Classification: Large Quantity Generator
- . Waste code: 132
- . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics
- . Waste code: 151
- . Waste name: Asbestos-containing waste
- . Waste code: 172

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

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- . Waste name: Metal dust (see 121) and machining waste
- . Waste code: 181
- . Waste name: Other inorganic solid waste
- . Waste code: 211
- . Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
- . Waste code: 213
- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
- . Waste code: 214
- . Waste name: Unspecified solvent mixture
- . Waste code: 221
- . Waste name: Waste oil and mixed oil
- . Waste code: 223
- . Waste name: Unspecified oil-containing waste
- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's
- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics
- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture
- . Waste code: 352
- . Waste name: Other organic solids
- . Waste code: 491
- . Waste name: Unspecified sludge waste
- . Waste code: 551
- . Waste name: Laboratory waste chemicals
- . Waste code: 571
- . Waste name: Fly ash, bottom ash, and retort ash
- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups
- . Waste code: 724
- . Waste name: Liquids with lead > 500 mg/l
- . Waste code: 725
- . Waste name: Liquids with mercury > 20 mg/l
- . Waste code: 731
- . Waste name: Liquids with polychlorinated biphenyls > 50 mg/l
- . Waste code: 791
- . Waste name: Liquids with pH < 2

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- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D004
- . Waste name: ARSENIC

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLORETHYLENE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

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KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P119
. Waste name: AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT

Date form received by agency: 02/28/2008
Site name: MORRO BAY POWER PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

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2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 04/04/2007

Site name: DYNEGY MORRO BAY LLC

Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/20/2006

Site name: MORRO BAY POWER PLANT

Classification: Small Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 571
. Waste name: Fly ash, bottom ash, and retort ash

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/24/2004

Site name: MORRO BAY POWER PLANT

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Classification:	Small Quantity Generator
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	D040
. Waste name:	TRICHLORETHYLENE
. Waste code:	F002
. Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. Waste code:	F003
. Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. Waste code:	F005
. Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

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ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P104
. Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

Date form received by agency: 04/29/2002

Site name: DUKE ENERGY MORRO BAY, LLC

Classification: Small Quantity Generator

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 571
. Waste name: Fly ash, bottom ash, and retort ash

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002

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. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/16/1999

Site name: PACIFIC GAS AND ELECTRIC COMPANY/MORRO B

Classification: Small Quantity Generator

Date form received by agency: 04/30/1998

Site name: DUKE ENERGY MORRO BAY LLC

Classification: Large Quantity Generator

. Waste code: D000

. Waste name: Not Defined

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D005

. Waste name: BARIUM

. Waste code: D006

. Waste name: CADMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D009

. Waste name: MERCURY

. Waste code: F001

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

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NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Date form received by agency: 09/01/1996
Site name: DUKE ENERGY MORRO BAY LLC
Classification: Large Quantity Generator

Date form received by agency: 03/21/1996
Site name: PG&E MORRO BAY POWER PLANT
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Site name: PG & E MORRO BAY POWER PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992
Site name: PG&E MORRO BAY POWER PLANT
Classification: Small Quantity Generator

Date form received by agency: 04/02/1990
Site name: PG&E MORRO BAY POWER PLANT
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 09/30/1986
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 09/30/1986
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 09/30/1986
Event: RFA COMPLETED

Event date: 06/30/1988
Event: INVESTIGATION IMPOSITION

Event date: 06/30/1988
Event: 3004(U) C/A UNDER PERMIT

Event date: 06/01/1989
Event: USER DEFINED EVENT

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Event date:	12/01/1989
Event:	USER DEFINED EVENT
Event date:	11/18/1990
Event:	LEAD AGENCY DETERMINATION
Event date:	11/18/1990
Event:	NCAPS RANKING/PRIORITY
Event date:	11/18/1990
Event:	PA OR CERCLA INSPECTION
Event date:	11/18/1990
Event:	CA PRIORITIZATION-MEDIUM CA PRIORITY
Event date:	08/21/1991
Event:	INVESTIGATION COMPLETE
Event date:	08/21/1991
Event:	INVESTIGATION COMPLETE
Event date:	04/27/1992
Event:	CMS IMPOSITION
Event date:	04/27/1992
Event:	CMS COMPLETE
Event date:	04/27/1992
Event:	CMS COMPLETE
Event date:	02/17/1993
Event:	REMEDY DECISION
Event date:	06/30/1993
Event:	CMI WORKPLAN APPROVED
Event date:	06/30/1994
Event:	CMS COMPLETE
Event date:	09/22/1994
Event:	STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Event date:	09/22/1994
Event:	STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Event date:	09/22/1994
Event:	CA PRIORITIZATION-HIGH CA PRIORITY
Event date:	10/25/1994
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	03/29/1995
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	06/27/1995
Event:	INVESTIGATION COMPLETE

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Event date:	06/27/1995
Event:	INVESTIGATION COMPLETE
Event date:	12/20/1995
Event:	CMI WORKPLAN APPROVED
Event date:	01/01/1996
Event:	REMEDY DECISION
Event date:	01/01/1996
Event:	REMEDY DECISION
Event date:	01/16/1996
Event:	INVESTIGATION COMPLETE
Event date:	06/27/1996
Event:	CMS COMPLETE
Event date:	11/01/1997
Event:	REMEDY CONSTRUCTION
Event date:	11/13/1997
Event:	REMEDY CONSTRUCTION
Event date:	11/13/1997
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Event date:	12/30/1997
Event:	CA PROCESS IS TERMINATED-NO FURTHER ACTION
Event date:	12/30/1997
Event:	CA PROCESS IS TERMINATED-NO FURTHER ACTION
Event date:	01/06/1998
Event:	CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE
Event date:	01/06/1998
Event:	STABILIZATION CONSTRUCTION COMPLETED
Event date:	04/20/1999
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/20/1999
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/10/2000
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/10/2000
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/10/2000
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/10/2000

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Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	10/18/2006
Event:	INVESTIGATION IMPOSITION
Event date:	09/22/2009
Event:	READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE
Event date:	12/21/2010
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	02/22/2011
Event:	INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Event date:	02/22/2011
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	05/26/2011
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	09/26/2011
Event:	INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Event date:	10/03/2011
Event:	INVESTIGATION SUPPLEMENTAL INFO DEEMED SATISFACT
Event date:	06/05/2012
Event:	INVESTIGATION REPORT RECEIVED
Event date:	06/05/2013
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	07/09/2013
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	01/08/2014
Event:	INVESTIGATION COMPLETE
Event date:	10/21/2014
Event:	INVESTIGATION IMPLEMENTATION BEGUN
Event date:	01/29/2015
Event:	INVESTIGATION REPORT RECEIVED
Event date:	06/22/2016
Event:	INVESTIGATION COMPLETE

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	10/21/2003
Date achieved compliance:	11/21/2003
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	11/20/2003
Enf. disposition status:	Not reported

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Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/24/2003
Date achieved compliance: 11/07/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/20/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 10/30/2002
Date achieved compliance: 01/06/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 06/19/1992
Date achieved compliance: 05/04/1993
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/25/1991
Date achieved compliance: 04/12/1994
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 11/30/1990
Date achieved compliance: 03/02/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 05/17/1990
Date achieved compliance: 07/31/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/19/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 05/17/1990
Date achieved compliance: 07/31/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 11/16/1987
Date achieved compliance: 06/24/1988
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/09/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 12/09/1986
Date achieved compliance: 05/06/1992
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/09/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 12/09/1986
Date achieved compliance: 05/06/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/09/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/10/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/21/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/12/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/17/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Evaluation date: 12/11/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/22/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/26/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/20/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/21/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/21/2003
Evaluation lead agency: State

Evaluation date: 09/24/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/07/2003
Evaluation lead agency: State

Evaluation date: 08/14/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 01/06/2003
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/30/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/06/2003
Evaluation lead agency: State

Evaluation date: 10/30/2002
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/26/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/22/1999
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/26/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/20/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/1996
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/23/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/24/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Evaluation date: 05/04/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/04/1993
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/06/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/13/1992
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/25/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/12/1994
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/1990
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 03/02/1991
Evaluation lead agency: State

Evaluation date: 05/21/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/17/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/31/1990
Evaluation lead agency: State

Evaluation date: 05/17/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/11/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/02/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/16/1987
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 06/24/1988
Evaluation lead agency: State

Evaluation date: 12/09/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 05/06/1992
Evaluation lead agency: State

Evaluation date: 12/09/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

2020 COR ACTION:

EPA ID: CAT080011646
Region: 9
Action: Remedy Constructed

ICIS:

Enforcement Action ID: CASLOA0000060790000700274
FRS ID: 110000610287
Action Name: DYNEGY MORRO BAY,LLC (FRMLY LSP/DUKE) 060790000700274
Facility Name: DYNEGY MORRO BAY,LLC (FRMLY LSP/DUKE)
Facility Address: 1290 EMBARCADERO
MORRO BAY, CA 93442
Enforcement Action Type: Civil Judicial Action
Facility County: SAN LUIS OBISPO
Program System Acronym: AIR
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 4911

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.371085
Longitude in Decimal Degrees: -120.866569
Permit Type Desc: Not reported
Program System Acronym: CASLO0000607900007
Facility NAICS Code: 221112
Tribal Land Code: Not reported

Enforcement Action ID: CASLOA0000060790000700256
FRS ID: 110000610287
Action Name: DYNEGY MORRO BAY,LLC (FRMLY LSP/DUKE) 060790000700256
Facility Name: DYNEGY MORRO BAY,LLC (FRMLY LSP/DUKE)
Facility Address: 1290 EMBARCADERO
MORRO BAY, CA 93442

Enforcement Action Type: Administrative Order
Facility County: SAN LUIS OBISPO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.371085
Longitude in Decimal Degrees: -120.866569
Permit Type Desc: Not reported
Program System Acronym: CASLO0000607900007
Facility NAICS Code: 221112
Tribal Land Code: Not reported

Enforcement Action ID: CASLOA0000060790000700254
FRS ID: 110000610287
Action Name: DYNEGY MORRO BAY,LLC (FRMLY LSP/DUKE) 060790000700254
Facility Name: DYNEGY MORRO BAY,LLC (FRMLY LSP/DUKE)
Facility Address: 1290 EMBARCADERO
MORRO BAY, CA 93442

Enforcement Action Type: Notice of Violation
Facility County: SAN LUIS OBISPO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.371085
Longitude in Decimal Degrees: -120.866569
Permit Type Desc: Not reported
Program System Acronym: CASLO0000607900007
Facility NAICS Code: 221112
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000197668
Region Code: 09
County Code: CA079
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
D and B Number: Not reported
Facility Site Name: DYNEGY MORRO BAY,LLC (FRMLY LSP/DUKE)

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Primary SIC Code: 4911
NAICS Code: 221112
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1974-11-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1975-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-01-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-01-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1989-06-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1993-01-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1993-05-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1994-06-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 1995-05-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-05-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-05-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-11-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
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MAP FINDINGS

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date:	2002-08-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-08-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-09-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-08-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-08-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-11-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-01-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-03-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-04-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-05-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-05-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2005-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-08-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-10-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-11-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

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Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-04-04 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-04-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-05-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-07-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2006-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-11-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-04-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-07-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-08-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-10-15 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-10-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2007-11-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-11-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-01-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-01-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-02-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-02-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2009-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-02-16 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-02-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-03-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-03-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2010-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-12-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-01-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-04-06 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-05-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-05-31 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-06-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2011-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-11-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-03-21 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-04-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-06-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-07-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date:	2012-08-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-09-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-09-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-10-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-11-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-07-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-07-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-07-15 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-08-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-08-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-08-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2013-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-11-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-01-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-06-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2012-06-18 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1996-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1999-03-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1999-08-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2000-08-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2001-03-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2002-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-04-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-07-15 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-07-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-08-05 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-09-05 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2003-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-12-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-04-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-07-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-07-15 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-07-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-08-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2004-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-11-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-01-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-04-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-05-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-05-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-07-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-07-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-07-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2005-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-11-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-04-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-07-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-07-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-08-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-09-15 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2006-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-11-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-04-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-10-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-10-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-11-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-11-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-01-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2008-02-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-11-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-02-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-03-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-03-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-03-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

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Database(s)

EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2009-04-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-06-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-11-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-03-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-04-06 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-05-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-07-06 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

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EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2010-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

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EDR ID Number
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DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-12-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-01-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-06-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-07-05 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-07-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-07-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2011-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-11-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-06-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-07-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-08-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-09-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2012-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-11-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-01-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-01-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-07-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-07-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-08-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-08-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-09-05 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-10-03 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASLO0000607900007
Facility Registry ID:	110000610287
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Activity Date: 2013-10-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-11-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-01-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-04-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-04-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-06-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNEGY MORRO BAY LLC (Continued)

1000197668

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-17 00:00:00
Activity Status Date: 2012-05-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-26 00:00:00
Activity Status Date: 2012-04-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASLO0000607900007
Facility Registry ID: 110000610287
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-06-18 00:00:00
Activity Status Date: 2012-06-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

FINDS:

Registry ID: 110058267138

Environmental Interest/Information System
STATE MASTER

Registry ID: 110058256747

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

51
SSE
1/2-1
0.632 mi.
3339 ft.

KEN'S FURNITURE & REFINISHING
1312 MAIN STREET
MORRO BAY, CA 91416

Notify 65 **S100179307**
N/A

Relative: NOTIFY 65:
Higher Date Reported: Not reported
Staff Initials: Not reported
Actual: Board File Number: Not reported
41 ft. Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

52
South
1/2-1
0.650 mi.
3430 ft.

CORDERO WINSTON CO.
1235 EMBARCADERO
MORRO BAY, CA 91416

Notify 65 **S100179688**
N/A

Relative: NOTIFY 65:
Lower Date Reported: Not reported
Staff Initials: Not reported
Actual: Board File Number: Not reported
21 ft. Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

53
SSE
1/2-1
0.823 mi.
4344 ft.

CHEVRON
1111 MAIN ST
MORRO BAY, CA 93442

LUST **S100233903**
SWEEPS UST **N/A**
CUPA Listings
HIST CORTESE
Notify 65

Relative: LUST:
Higher Lead Agency: SAN LUIS OBISPO COUNTY
Case Type: LUST Cleanup Site
Actual: Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607900186
74 ft. Global Id: T0607900186
Latitude: 35.369077
Longitude: -120.850368
Status: Completed - Case Closed
Status Date: 12/19/1996
Case Worker: LG
RB Case Number: 86
Local Agency: SAN LUIS OBISPO COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607900186
Contact Type: Local Agency Caseworker
Contact Name: Linnea Grossman
Organization Name: SAN LUIS OBISPO COUNTY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S100233903

Address: PO BOX 1489
City: SAN LUIS OBISPO
Email: lgrossman@co.slo.ca.us
Phone Number: 8057815544

LUST:

Global Id: T0607900186
Action Type: Other
Date: 09/26/1988
Action: Leak Reported

Global Id: T0607900186
Action Type: Other
Date: 09/22/1988
Action: Leak Stopped

Global Id: T0607900186
Action Type: Other
Date: 09/22/1988
Action: Leak Discovery

LUST:

Global Id: T0607900186
Status: Completed - Case Closed
Status Date: 12/19/1996

Global Id: T0607900186
Status: Open - Case Begin Date
Status Date: 09/22/1988

Global Id: T0607900186
Status: Open - Remediation
Status Date: 05/11/1990

Global Id: T0607900186
Status: Open - Site Assessment
Status Date: 10/06/1988

Global Id: T0607900186
Status: Open - Site Assessment
Status Date: 05/09/1990

Global Id: T0607900186
Status: Open - Site Assessment
Status Date: 05/11/1990

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: San Luis Obispo
Global ID: T0607900186
Status: Case Closed
Case Number: 86
Local Case Num: Not reported
Case Type: S

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S100233903

Substance: Waste Oil
Quantity: Not reported
Abatement Method: U
Leak Source: Tank
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 09/26/1988
Discovered Date: 9/22/88
Enter Date: 10/10/1988
Stop Date: 9/22/88
Review Date: 01/14/1997
Enforce Date: Not reported
Close Date: 12/19/96
Enforcement Type: Not reported
Responsible Party: MARK SIGLER
RP Address: 6001 BOLLINGER CANYON ROAD,PO BOX 6004
Contact: Not reported
Cross Street: BEACH
Local Agency: 40000
Lead Agency: Local Agency
Staff Initials: FJD
Confirm Leak: 5/11/90
Workplan: Not reported
Prelim Assess: 5/9/90
Pollution Char: 10/06/1988
Remedial Plan: 5/11/90
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 35.3687612 / -120.8501254
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: 10.22
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: PG&E - MORRO BAY POWER PLANT
Well Name: WELL #2
Distance From Well: 0
Assigned Name: 4000665-002
Summary: BORING SHOW NO IMPACT OF GROUNDWATER.THIS CASE IS CLOSED

SWEEPS UST:

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S100233903

Comp Number: 12312
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-26-93
Action Date: 08-26-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012312-000005
Tank Status: A
Capacity: 10000
Active Date: 06-12-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 12312
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-26-93
Action Date: 08-26-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012312-000006
Tank Status: A
Capacity: 10000
Active Date: 06-12-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12312
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-26-93
Action Date: 08-26-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012312-000007
Tank Status: A
Capacity: 10000
Active Date: 02-27-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12312
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-26-93
Action Date: 08-26-93
Created Date: 02-29-88

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S100233903

Owner Tank Id: Not reported
SWRCB Tank Id: 40-000-012312-000008
Tank Status: A
Capacity: 500
Active Date: 06-12-91
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CUPA SAN LUIS OBISPO:

Facility Id: FA0002635
Program Element Code: 0301
Program Element: UST FACILITY ANNUAL PERMIT
Record Id: PR0002632
Cross Street: BEACH
Status Code: 02
Status: Inactive, non-billable
Latitude: Not reported
Longitude: Not reported

Facility Id: FA0002635
Program Element Code: 0705
Program Element: STATE SITE SURCHARGE
Record Id: PR0007043
Cross Street: BEACH
Status Code: 02
Status: Inactive, non-billable
Latitude: Not reported
Longitude: Not reported

Facility Id: FA0002635
Program Element Code: 0725
Program Element: HAZMAT DISCLOSURE - SERVICE STATION
Record Id: PR0001959
Cross Street: BEACH
Status Code: 02
Status: Inactive, non-billable
Latitude: Not reported
Longitude: Not reported

Facility Id: FA0002635
Program Element Code: 1126
Program Element: HAZWASTE GEN (1-5 WASTE STREAMS)
Record Id: PR0002495
Cross Street: BEACH
Status Code: 02
Status: Inactive, non-billable
Latitude: Not reported
Longitude: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 40
Reg By: LTNKA
Reg Id: 86

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S100233903

NOTIFY 65:

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

54
ESE
1/2-1
0.889 mi.
4696 ft.

NAVAL SECTION BASE
MORO BAY, CA

ENVIROSTOR S107736855
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
234 ft.

Facility ID: 80000760
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Charles Ridenour
Division Branch: Cleanup Sacramento
Assembly: 35
Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 35.375
Longitude: -120.8416
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F991100
Alias Type: Federal Facility ID
Alias Name: J09CA7089
Alias Type: INPR
Alias Name: 80000760
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 08/27/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SECTION BASE (Continued)

S107736855

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

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MORRO BAY	1000365622	MORRO BAY DISPOSAL SITE	HIGHWAY 1, 1 MILE WEST OF MORR	93442	ENVIROSTOR

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: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/08/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

NPL Site Boundaries**Sources:**

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING***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: 05/30/2017

Source: EPA

Date Data Arrived at EDR: 06/09/2017

Telephone: N/A

Date Made Active in Reports: 09/15/2017

Last EDR Contact: 11/03/2017

Number of Days to Update: 98

Next Scheduled EDR Contact: 01/15/2018

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: 11/07/2016

Source: Environmental Protection Agency

Date Data Arrived at EDR: 01/05/2017

Telephone: 703-603-8704

Date Made Active in Reports: 04/07/2017

Last EDR Contact: 10/06/2017

Number of Days to Update: 92

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/11/2017

Source: EPA

Date Data Arrived at EDR: 07/21/2017

Telephone: 800-424-9346

Date Made Active in Reports: 10/06/2017

Last EDR Contact: 11/03/2017

Number of Days to Update: 77

Next Scheduled EDR Contact: 01/29/2018

Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list**SEMS-ARCHIVE: Superfund Enterprise Management System Archive**

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/11/2017
 Date Data Arrived at EDR: 07/28/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 70

Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 11/03/2017
 Next Scheduled EDR Contact: 01/29/2018
 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: 09/13/2017
 Date Data Arrived at EDR: 09/26/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 10

Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 09/26/2017
 Next Scheduled EDR Contact: 01/08/2018
 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: 09/13/2017
 Date Data Arrived at EDR: 09/26/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 10

Source: Environmental Protection Agency
 Telephone: (415) 495-8895
 Last EDR Contact: 09/26/2017
 Next Scheduled EDR Contact: 01/08/2018
 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: 09/13/2017
 Date Data Arrived at EDR: 09/26/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 10

Source: Environmental Protection Agency
 Telephone: (415) 495-8895
 Last EDR Contact: 09/26/2017
 Next Scheduled EDR Contact: 01/08/2018
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2017

Source: Environmental Protection Agency

Date Data Arrived at EDR: 09/26/2017

Telephone: (415) 495-8895

Date Made Active in Reports: 10/06/2017

Last EDR Contact: 09/26/2017

Number of Days to Update: 10

Next Scheduled EDR Contact: 01/08/2018

Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017

Source: Environmental Protection Agency

Date Data Arrived at EDR: 09/26/2017

Telephone: (415) 495-8895

Date Made Active in Reports: 10/06/2017

Last EDR Contact: 09/26/2017

Number of Days to Update: 10

Next Scheduled EDR Contact: 01/08/2018

Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries**LUCIS: Land Use Control Information System**

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017

Source: Department of the Navy

Date Data Arrived at EDR: 06/13/2017

Telephone: 843-820-7326

Date Made Active in Reports: 09/15/2017

Last EDR Contact: 11/08/2017

Number of Days to Update: 94

Next Scheduled EDR Contact: 02/26/2018

Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017

Source: Environmental Protection Agency

Date Data Arrived at EDR: 08/30/2017

Telephone: 703-603-0695

Date Made Active in Reports: 10/13/2017

Last EDR Contact: 08/30/2017

Number of Days to Update: 44

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 08/10/2017

Source: Environmental Protection Agency

Date Data Arrived at EDR: 08/30/2017

Telephone: 703-603-0695

Date Made Active in Reports: 10/13/2017

Last EDR Contact: 08/30/2017

Number of Days to Update: 44

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017

Date Data Arrived at EDR: 09/21/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 22

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/21/2017

Next Scheduled EDR Contact: 01/08/2018

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: 07/31/2017

Date Data Arrived at EDR: 08/01/2017

Date Made Active in Reports: 08/15/2017

Number of Days to Update: 14

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/31/2017

Next Scheduled EDR Contact: 02/12/2018

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 07/31/2017

Date Data Arrived at EDR: 08/01/2017

Date Made Active in Reports: 08/15/2017

Number of Days to Update: 14

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/31/2017

Next Scheduled EDR Contact: 02/12/2018

Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/14/2017

Date Data Arrived at EDR: 08/17/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 35

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/17/2017

Next Scheduled EDR Contact: 11/27/2017

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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 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: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001

Date Data Arrived at EDR: 04/23/2001

Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595

Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017

Date Data Arrived at EDR: 09/12/2017

Date Made Active in Reports: 11/09/2017

Number of Days to Update: 58

Source: State Water Resources Control Board

Telephone: see region list

Last EDR Contact: 09/12/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003

Date Data Arrived at EDR: 05/19/2003

Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786

Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004

Date Data Arrived at EDR: 09/07/2004

Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710

Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011

Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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 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 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005

Date Data Arrived at EDR: 06/07/2005

Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365

Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: Quarterly

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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016

Date Data Arrived at EDR: 01/26/2017

Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 10

Telephone: 206-553-2857

Last EDR Contact: 11/07/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/13/2017
 Date Data Arrived at EDR: 07/27/2017
 Date Made Active in Reports: 10/13/2017
 Number of Days to Update: 78

Source: Environmental Protection Agency
 Telephone: 415-972-3372
 Last EDR Contact: 10/27/2017
 Next Scheduled EDR Contact: 02/05/2018
 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
 LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
 Date Data Arrived at EDR: 07/27/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 71

Source: EPA Region 7
 Telephone: 913-551-7003
 Last EDR Contact: 10/27/2017
 Next Scheduled EDR Contact: 02/05/2018
 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: 04/24/2017
 Date Data Arrived at EDR: 07/27/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 71

Source: EPA Region 6
 Telephone: 214-665-6597
 Last EDR Contact: 10/27/2017
 Next Scheduled EDR Contact: 02/05/2018
 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
 LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
 Date Data Arrived at EDR: 01/27/2017
 Date Made Active in Reports: 05/05/2017
 Number of Days to Update: 98

Source: EPA Region 4
 Telephone: 404-562-8677
 Last EDR Contact: 10/27/2017
 Next Scheduled EDR Contact: 02/05/2018
 Data Release Frequency: Semi-Annually

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: 04/14/2017
 Date Data Arrived at EDR: 07/27/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 71

Source: EPA Region 1
 Telephone: 617-918-1313
 Last EDR Contact: 10/27/2017
 Next Scheduled EDR Contact: 02/05/2018
 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: 04/26/2017
 Date Data Arrived at EDR: 07/27/2017
 Date Made Active in Reports: 10/13/2017
 Number of Days to Update: 78

Source: EPA, Region 5
 Telephone: 312-886-7439
 Last EDR Contact: 10/27/2017
 Next Scheduled EDR Contact: 02/05/2018
 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: 05/01/2017
 Date Data Arrived at EDR: 07/27/2017
 Date Made Active in Reports: 10/13/2017
 Number of Days to Update: 78

Source: EPA Region 8
 Telephone: 303-312-6271
 Last EDR Contact: 10/27/2017
 Next Scheduled EDR Contact: 02/05/2018
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 09/11/2017

Source: State Water Resources Control Board

Date Data Arrived at EDR: 09/12/2017

Telephone: 866-480-1028

Date Made Active in Reports: 11/09/2017

Last EDR Contact: 09/12/2017

Number of Days to Update: 58

Next Scheduled EDR Contact: 12/25/2017

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

Source: California Regional Water Quality Control Board, North Coast Region (1)

Date Data Arrived at EDR: 04/07/2003

Telephone: 707-576-2220

Date Made Active in Reports: 04/25/2003

Last EDR Contact: 08/01/2011

Number of Days to Update: 18

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

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Date Data Arrived at EDR: 10/20/2004

Telephone: 510-286-0457

Date Made Active in Reports: 11/19/2004

Last EDR Contact: 09/19/2011

Number of Days to Update: 30

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: Quarterly

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

Source: California Regional Water Quality Control Board Central Coast Region (3)

Date Data Arrived at EDR: 05/18/2006

Telephone: 805-549-3147

Date Made Active in Reports: 06/15/2006

Last EDR Contact: 07/18/2011

Number of Days to Update: 28

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: Semi-Annually

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

Source: Region Water Quality Control Board Los Angeles Region (4)

Date Data Arrived at EDR: 11/18/2004

Telephone: 213-576-6600

Date Made Active in Reports: 01/04/2005

Last EDR Contact: 07/01/2011

Number of Days to Update: 47

Next Scheduled EDR Contact: 10/17/2011

Data Release Frequency: Varies

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

Source: Regional Water Quality Control Board Central Valley Region (5)

Date Data Arrived at EDR: 04/05/2005

Telephone: 916-464-3291

Date Made Active in Reports: 04/21/2005

Last EDR Contact: 09/12/2011

Number of Days to Update: 16

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: Semi-Annually

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: Semi-Annually

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: Annually

State and tribal registered storage tank lists**FEMA UST: Underground Storage Tank Listing**

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017

Date Data Arrived at EDR: 05/30/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797

Last EDR Contact: 10/13/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**UST: Active UST Facilities**

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/11/2017	Source: SWRCB
Date Data Arrived at EDR: 09/12/2017	Telephone: 916-341-5851
Date Made Active in Reports: 11/08/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/25/2017
	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 09/25/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

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: 05/02/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	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: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 07/27/2017	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 04/14/2017	Source: EPA, Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	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: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	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: 04/13/2017	Source: EPA Region 9
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3368
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	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: 04/26/2017	Source: EPA Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-6136
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites**VCP: Voluntary Cleanup Program Properties**

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/01/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 10/31/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/25/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**INDIAN VCP R7: Voluntary Cleanup Priority Listing**

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008

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

State and tribal Brownfields sites**BROWNFIELDS: Considered Brownfields Sites Listing**

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2017

Date Data Arrived at EDR: 09/21/2017

Date Made Active in Reports: 11/09/2017

Number of Days to Update: 49

Source: State Water Resources Control Board

Telephone: 916-323-7905

Last EDR Contact: 09/21/2017

Next Scheduled EDR Contact: 01/08/2018

Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS**Local Brownfield lists****US BROWNFIELDS: A Listing of Brownfields Sites**

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

Date of Government Version: 06/19/2017

Date Data Arrived at EDR: 06/20/2017

Date Made Active in Reports: 09/15/2017

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 202-566-2777

Last EDR Contact: 09/20/2017

Next Scheduled EDR Contact: 01/01/2018

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: 11/06/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2017
 Date Data Arrived at EDR: 09/12/2017
 Date Made Active in Reports: 09/21/2017
 Number of Days to Update: 9

Source: Department of Conservation
 Telephone: 916-323-3836
 Last EDR Contact: 09/12/2017
 Next Scheduled EDR Contact: 12/25/2017
 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/30/2017
 Date Data Arrived at EDR: 05/31/2017
 Date Made Active in Reports: 08/15/2017
 Number of Days to Update: 76

Source: Integrated Waste Management Board
 Telephone: 916-341-6422
 Last EDR Contact: 11/09/2017
 Next Scheduled EDR Contact: 02/26/2018
 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: 10/30/2017
 Next Scheduled EDR Contact: 02/12/2018
 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
 Date Data Arrived at EDR: 05/07/2009
 Date Made Active in Reports: 09/21/2009
 Number of Days to Update: 137

Source: EPA, Region 9
 Telephone: 415-947-4219
 Last EDR Contact: 10/20/2017
 Next Scheduled EDR Contact: 02/05/2018
 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
 Date Data Arrived at EDR: 08/09/2004
 Date Made Active in Reports: 09/17/2004
 Number of Days to Update: 39

Source: Environmental Protection Agency
 Telephone: 800-424-9346
 Last EDR Contact: 06/09/2004
 Next Scheduled EDR Contact: N/A
 Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

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

Source: Department of Health & Human Services, Indian Health Service
 Telephone: 301-443-1452
 Last EDR Contact: 11/03/2017
 Next Scheduled EDR Contact: 02/12/2018
 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/13/2017
 Date Data Arrived at EDR: 09/06/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 30

Source: Drug Enforcement Administration
 Telephone: 202-307-1000
 Last EDR Contact: 08/30/2017
 Next Scheduled EDR Contact: 12/11/2017
 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: 07/31/2017
 Date Data Arrived at EDR: 08/01/2017
 Date Made Active in Reports: 08/15/2017
 Number of Days to Update: 14

Source: Department of Toxic Substances Control
 Telephone: 916-323-3400
 Last EDR Contact: 10/31/2017
 Next Scheduled EDR Contact: 02/12/2018
 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: 06/30/2017
 Date Data Arrived at EDR: 08/18/2017
 Date Made Active in Reports: 09/21/2017
 Number of Days to Update: 34

Source: Department of Toxic Substances Control
 Telephone: 916-255-6504
 Last EDR Contact: 10/10/2017
 Next Scheduled EDR Contact: 01/22/2018
 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

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: 07/13/2017
 Date Data Arrived at EDR: 09/06/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 30

Source: Drug Enforcement Administration
 Telephone: 202-307-1000
 Last EDR Contact: 08/30/2017
 Next Scheduled EDR Contact: 12/11/2017
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	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: 06/02/2017	Source: Department of Public Health
Date Data Arrived at EDR: 06/06/2017	Telephone: 707-463-4466
Date Made Active in Reports: 08/25/2017	Last EDR Contact: 11/07/2017
Number of Days to Update: 80	Next Scheduled EDR Contact: 12/11/2017
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	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: 08/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/05/2017	Telephone: 916-323-3400
Date Made Active in Reports: 11/08/2017	Last EDR Contact: 08/31/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2017	Telephone: 202-564-6023
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 09/05/2017

Source: DTSC and SWRCB

Date Data Arrived at EDR: 09/06/2017

Telephone: 916-323-3400

Date Made Active in Reports: 11/08/2017

Last EDR Contact: 09/06/2017

Number of Days to Update: 63

Next Scheduled EDR Contact: 12/18/2017

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: 09/21/2017

Source: U.S. Department of Transportation

Date Data Arrived at EDR: 09/21/2017

Telephone: 202-366-4555

Date Made Active in Reports: 10/13/2017

Last EDR Contact: 09/21/2017

Number of Days to Update: 22

Next Scheduled EDR Contact: 01/08/2018

Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 05/09/2017

Source: Office of Emergency Services

Date Data Arrived at EDR: 07/26/2017

Telephone: 916-845-8400

Date Made Active in Reports: 09/21/2017

Last EDR Contact: 10/27/2017

Number of Days to Update: 57

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

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: 09/11/2017

Source: State Water Quality Control Board

Date Data Arrived at EDR: 09/12/2017

Telephone: 866-480-1028

Date Made Active in Reports: 11/09/2017

Last EDR Contact: 09/12/2017

Number of Days to Update: 58

Next Scheduled EDR Contact: 12/25/2017

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: 09/11/2017

Source: State Water Resources Control Board

Date Data Arrived at EDR: 09/12/2017

Telephone: 866-480-1028

Date Made Active in Reports: 11/09/2017

Last EDR Contact: 09/12/2017

Number of Days to Update: 58

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**SPILLS 90: SPILLS90 data from FirstSearch**

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012

Source: FirstSearch

Date Data Arrived at EDR: 01/03/2013

Telephone: N/A

Date Made Active in Reports: 02/22/2013

Last EDR Contact: 01/03/2013

Number of Days to Update: 50

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records**RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated**

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

Date of Government Version: 09/13/2017

Source: Environmental Protection Agency

Date Data Arrived at EDR: 09/26/2017

Telephone: (415) 495-8895

Date Made Active in Reports: 10/06/2017

Last EDR Contact: 09/26/2017

Number of Days to Update: 10

Next Scheduled EDR Contact: 01/08/2018

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: 01/31/2015

Source: U.S. Army Corps of Engineers

Date Data Arrived at EDR: 07/08/2015

Telephone: 202-528-4285

Date Made Active in Reports: 10/13/2015

Last EDR Contact: 08/25/2017

Number of Days to Update: 97

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005

Source: USGS

Date Data Arrived at EDR: 11/10/2006

Telephone: 888-275-8747

Date Made Active in Reports: 01/11/2007

Last EDR Contact: 10/13/2017

Number of Days to Update: 62

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005

Source: U.S. Geological Survey

Date Data Arrived at EDR: 02/06/2006

Telephone: 888-275-8747

Date Made Active in Reports: 01/11/2007

Last EDR Contact: 10/11/2017

Number of Days to Update: 339

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
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: 05/10/2017
Date Data Arrived at EDR: 05/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 121

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 01/08/2018
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: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/19/2018
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: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/22/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2017
Next Scheduled EDR Contact: 12/04/2017
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
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: 09/27/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 12/18/2017
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: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**PRP: Potentially Responsible Parties**

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013

Date Data Arrived at EDR: 10/17/2014

Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023

Last EDR Contact: 11/03/2017

Next Scheduled EDR Contact: 02/19/2018

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: 06/01/2017

Date Data Arrived at EDR: 06/09/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 126

Source: EPA

Telephone: 202-566-0500

Last EDR Contact: 10/13/2017

Next Scheduled EDR Contact: 01/22/2018

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: 10/11/2017

Next Scheduled EDR Contact: 01/22/2018

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: Quarterly

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: Quarterly

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: 08/30/2016

Date Data Arrived at EDR: 09/08/2016

Date Made Active in Reports: 10/21/2016

Number of Days to Update: 43

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

Last EDR Contact: 10/16/2017

Next Scheduled EDR Contact: 11/20/2017

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**COAL ASH DOE: Steam-Electric Plant Operation Data**

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 08/07/2009

Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy

Telephone: 202-586-8719

Last EDR Contact: 10/03/2017

Next Scheduled EDR Contact: 12/18/2017

Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014

Date Data Arrived at EDR: 09/10/2014

Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 09/08/2017

Next Scheduled EDR Contact: 12/18/2017

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: 02/01/2011

Date Data Arrived at EDR: 10/19/2011

Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517

Last EDR Contact: 10/26/2017

Next Scheduled EDR Contact: 02/05/2018

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: 10/02/2017

Date Data Arrived at EDR: 10/05/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-343-9775

Last EDR Contact: 10/05/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006

Date Data Arrived at EDR: 03/01/2007

Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501

Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008

Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
 Date Data Arrived at EDR: 08/07/2012
 Date Made Active in Reports: 09/18/2012
 Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
 Telephone: 202-366-4595
 Last EDR Contact: 10/31/2017
 Next Scheduled EDR Contact: 02/12/2018
 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2017
 Date Data Arrived at EDR: 08/03/2017
 Date Made Active in Reports: 10/20/2017
 Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
 Telephone: Varies
 Last EDR Contact: 09/25/2017
 Next Scheduled EDR Contact: 01/08/2018
 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
 Date Data Arrived at EDR: 02/22/2017
 Date Made Active in Reports: 09/28/2017
 Number of Days to Update: 218

Source: EPA/NTIS
 Telephone: 800-424-9346
 Last EDR Contact: 09/21/2017
 Next Scheduled EDR Contact: 12/04/2017
 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: 10/11/2017
 Next Scheduled EDR Contact: 01/22/2018
 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: 12/23/2016
 Date Data Arrived at EDR: 12/27/2016
 Date Made Active in Reports: 02/17/2017
 Number of Days to Update: 52

Source: Department of Energy
 Telephone: 202-586-3559
 Last EDR Contact: 11/02/2017
 Next Scheduled EDR Contact: 02/19/2018
 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
 Date Data Arrived at EDR: 10/11/2017
 Date Made Active in Reports: 11/03/2017
 Number of Days to Update: 23

Source: Department of Energy
 Telephone: 505-845-0011
 Last EDR Contact: 10/10/2017
 Next Scheduled EDR Contact: 12/04/2017
 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/30/2017
 Date Data Arrived at EDR: 06/09/2017
 Date Made Active in Reports: 09/15/2017
 Number of Days to Update: 98

Source: Environmental Protection Agency
 Telephone: 703-603-8787
 Last EDR Contact: 11/03/2017
 Next Scheduled EDR Contact: 01/15/2018
 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 07/31/2017
 Date Data Arrived at EDR: 08/30/2017
 Date Made Active in Reports: 10/13/2017
 Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
 Telephone: 303-231-5959
 Last EDR Contact: 08/30/2017
 Next Scheduled EDR Contact: 12/11/2017
 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: USGS
 Telephone: 703-648-7709
 Last EDR Contact: 09/01/2017
 Next Scheduled EDR Contact: 12/11/2017
 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: 09/01/2017
 Next Scheduled EDR Contact: 12/11/2017
 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: 09/25/2017
 Date Data Arrived at EDR: 09/26/2017
 Date Made Active in Reports: 10/20/2017
 Number of Days to Update: 24

Source: Department of Interior
 Telephone: 202-208-2609
 Last EDR Contact: 09/25/2017
 Next Scheduled EDR Contact: 12/25/2017
 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: 07/23/2017
 Date Data Arrived at EDR: 09/06/2017
 Date Made Active in Reports: 09/15/2017
 Number of Days to Update: 9

Source: EPA
 Telephone: (415) 947-8000
 Last EDR Contact: 09/06/2017
 Next Scheduled EDR Contact: 12/18/2017
 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: 02/13/2017
 Date Data Arrived at EDR: 02/15/2017
 Date Made Active in Reports: 11/03/2017
 Number of Days to Update: 261

Source: Environmental Protection Agency
 Telephone: 202-564-0527
 Last EDR Contact: 09/21/2017
 Next Scheduled EDR Contact: 12/11/2017
 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: 09/02/2017
 Date Data Arrived at EDR: 09/06/2017
 Date Made Active in Reports: 10/20/2017
 Number of Days to Update: 44

Source: Environmental Protection Agency
 Telephone: 202-564-2280
 Last EDR Contact: 09/06/2017
 Next Scheduled EDR Contact: 12/18/2017
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**UXO: Unexploded Ordnance Sites**

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016

Source: Department of Defense

Date Data Arrived at EDR: 06/02/2017

Telephone: 703-704-1564

Date Made Active in Reports: 10/13/2017

Last EDR Contact: 10/16/2017

Number of Days to Update: 133

Next Scheduled EDR Contact: 01/29/2018

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: 08/17/2017

Source: EPA

Date Data Arrived at EDR: 08/17/2017

Telephone: 800-385-6164

Date Made Active in Reports: 09/15/2017

Last EDR Contact: 08/17/2017

Number of Days to Update: 29

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989

Source: Department of Health Services

Date Data Arrived at EDR: 07/27/1994

Telephone: 916-255-2118

Date Made Active in Reports: 08/02/1994

Last EDR Contact: 05/31/1994

Number of Days to Update: 6

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 09/21/2017

Source: CAL EPA/Office of Emergency Information

Date Data Arrived at EDR: 09/21/2017

Telephone: 916-323-3400

Date Made Active in Reports: 10/13/2017

Last EDR Contact: 09/21/2017

Number of Days to Update: 22

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/02/2017

Source: Department of Toxic Substance Control

Date Data Arrived at EDR: 08/08/2017

Telephone: 916-327-4498

Date Made Active in Reports: 10/16/2017

Last EDR Contact: 08/08/2017

Number of Days to Update: 69

Next Scheduled EDR Contact: 12/18/2017

Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015

Source: California Air Resources Board

Date Data Arrived at EDR: 03/21/2017

Telephone: 916-322-2990

Date Made Active in Reports: 08/15/2017

Last EDR Contact: 09/22/2017

Number of Days to Update: 147

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 08/18/2017

Source: State Water Resources Control Board

Date Data Arrived at EDR: 08/22/2017

Telephone: 916-445-9379

Date Made Active in Reports: 10/24/2017

Last EDR Contact: 11/01/2017

Number of Days to Update: 63

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/21/2017

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 07/25/2017

Telephone: 916-255-3628

Date Made Active in Reports: 10/17/2017

Last EDR Contact: 10/23/2017

Number of Days to Update: 84

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 08/15/2017

Source: California Integrated Waste Management Board

Date Data Arrived at EDR: 08/22/2017

Telephone: 916-341-6066

Date Made Active in Reports: 10/25/2017

Last EDR Contact: 11/09/2017

Number of Days to Update: 64

Next Scheduled EDR Contact: 02/26/2018

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: 12/31/2016

Source: California Environmental Protection Agency

Date Data Arrived at EDR: 07/12/2017

Telephone: 916-255-1136

Date Made Active in Reports: 10/17/2017

Last EDR Contact: 10/10/2017

Number of Days to Update: 97

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 08/21/2017

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 08/22/2017

Telephone: 877-786-9427

Date Made Active in Reports: 10/25/2017

Last EDR Contact: 08/22/2017

Number of Days to Update: 64

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 01/22/2009

Telephone: 916-323-3400

Date Made Active in Reports: 04/08/2009

Last EDR Contact: 01/22/2009

Number of Days to Update: 76

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**HWP: EnviroStor Permitted Facilities Listing**

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/21/2017

Date Data Arrived at EDR: 08/22/2017

Date Made Active in Reports: 10/25/2017

Number of Days to Update: 64

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 08/22/2017

Next Scheduled EDR Contact: 12/04/2017

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: 10/10/2017

Date Data Arrived at EDR: 10/10/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 7

Source: Department of Toxic Substances Control

Telephone: 916-440-7145

Last EDR Contact: 10/10/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/11/2017

Date Data Arrived at EDR: 09/12/2017

Date Made Active in Reports: 11/01/2017

Number of Days to Update: 50

Source: Department of Conservation

Telephone: 916-322-1080

Last EDR Contact: 09/12/2017

Next Scheduled EDR Contact: 12/25/2017

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: 09/01/2017

Date Data Arrived at EDR: 09/06/2017

Date Made Active in Reports: 11/08/2017

Number of Days to Update: 63

Source: Department of Public Health

Telephone: 916-558-1784

Last EDR Contact: 09/06/2017

Next Scheduled EDR Contact: 12/18/2017

Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/14/2017

Date Data Arrived at EDR: 08/17/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 61

Source: State Water Resources Control Board

Telephone: 916-445-9379

Last EDR Contact: 08/17/2017

Next Scheduled EDR Contact: 11/27/2017

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: 09/05/2017

Date Data Arrived at EDR: 09/06/2017

Date Made Active in Reports: 11/08/2017

Number of Days to Update: 63

Source: Department of Pesticide Regulation

Telephone: 916-445-4038

Last EDR Contact: 09/06/2017

Next Scheduled EDR Contact: 12/18/2017

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**PROC: Certified Processors Database**

A listing of certified processors.

Date of Government Version: 09/11/2017

Date Data Arrived at EDR: 09/12/2017

Date Made Active in Reports: 10/18/2017

Number of Days to Update: 36

Source: Department of Conservation

Telephone: 916-323-3836

Last EDR Contact: 09/12/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/16/2017

Date Data Arrived at EDR: 06/20/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 119

Source: State Water Resources Control Board

Telephone: 916-445-3846

Last EDR Contact: 09/18/2017

Next Scheduled EDR Contact: 01/01/2018

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: 01/20/2017

Date Data Arrived at EDR: 03/14/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 50

Source: Department of Conservation

Telephone: 916-445-2408

Last EDR Contact: 09/12/2017

Next Scheduled EDR Contact: 12/25/2017

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 board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015

Date Data Arrived at EDR: 04/17/2015

Date Made Active in Reports: 06/23/2015

Number of Days to Update: 67

Source: RWQCB, Central Valley Region

Telephone: 559-445-5577

Last EDR Contact: 10/13/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007

Date Data Arrived at EDR: 06/20/2007

Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009

Date Data Arrived at EDR: 07/21/2009

Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726

Last EDR Contact: 09/25/2017

Next Scheduled EDR Contact: 01/08/2018

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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 Historic 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 Historic 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

RGALUST: 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:****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: 09/22/2017
Date Data Arrived at EDR: 09/22/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:**CUPA Facility List**

Cupa Facility List

Date of Government Version: 06/20/2017
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 49

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

BUTTE COUNTY:**CUPA Facility Listing**

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/18/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:**CUPA Facility Listing****Cupa Facility Listing**

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 64

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/05/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:**CUPA Facility List****Cupa facility list.**

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:**Site List**

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:**CUPA Facility List****Cupa Facility list**

Date of Government Version: 08/02/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 66

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:**CUPA Facility List****CUPA facility list.**

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/18/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/24/2017
Number of Days to Update: 63

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

FRESNO COUNTY:**CUPA Resources List**

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/05/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 30

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:**CUPA Facility List**

Cupa facility list

Date of Government Version: 07/26/2017
Date Data Arrived at EDR: 07/28/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 77

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:**CUPA Facility List**

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:**CUPA Facility List**

Cupa facility list.

Date of Government Version: 07/21/2017
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**CUPA Facility List**

Cupa facility list.

Date of Government Version: 06/08/2017

Date Data Arrived at EDR: 06/09/2017

Date Made Active in Reports: 08/04/2017

Number of Days to Update: 56

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238

Last EDR Contact: 08/31/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

KERN COUNTY:**Underground Storage Tank Sites & Tank Listing**

Kern County Sites and Tanks Listing.

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/08/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 44

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700

Last EDR Contact: 11/01/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Quarterly

KINGS COUNTY:**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: 09/22/2017

Date Data Arrived at EDR: 09/22/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 24

Source: Kings County Department of Public Health

Telephone: 559-584-1411

Last EDR Contact: 09/22/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

LAKE COUNTY:**CUPA Facility List**

Cupa facility list

Date of Government Version: 08/03/2017

Date Data Arrived at EDR: 08/03/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 74

Source: Lake County Environmental Health

Telephone: 707-263-1164

Last EDR Contact: 10/16/2017

Next Scheduled EDR Contact: 01/29/2018

Data Release Frequency: Varies

LASSEN COUNTY:**CUPA Facility List**

Cupa facility list

Date of Government Version: 07/24/2017

Date Data Arrived at EDR: 07/26/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 82

Source: Lassen County Environmental Health

Telephone: 530-251-8528

Last EDR Contact: 10/23/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

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: EPA Region 9

Telephone: 415-972-3178

Last EDR Contact: 09/18/2017

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/11/2017

Date Data Arrived at EDR: 10/12/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 5

Source: Department of Public Works

Telephone: 626-458-3517

Last EDR Contact: 10/10/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/17/2017

Date Data Arrived at EDR: 07/18/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 65

Source: La County Department of Public Works

Telephone: 818-458-5185

Last EDR Contact: 10/17/2017

Next Scheduled EDR Contact: 01/29/2018

Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017

Date Data Arrived at EDR: 04/21/2017

Date Made Active in Reports: 10/09/2017

Number of Days to Update: 171

Source: Engineering & Construction Division

Telephone: 213-473-7869

Last EDR Contact: 10/16/2017

Next Scheduled EDR Contact: 01/29/2018

Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 06/21/2017

Date Data Arrived at EDR: 06/23/2017

Date Made Active in Reports: 10/30/2017

Number of Days to Update: 129

Source: Community Health Services

Telephone: 323-890-7806

Last EDR Contact: 10/24/2017

Next Scheduled EDR Contact: 01/29/2018

Data Release Frequency: Annually

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: 10/16/2017

Next Scheduled EDR Contact: 01/29/2018

Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017

Date Data Arrived at EDR: 03/10/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 54

Source: City of Long Beach Fire Department

Telephone: 562-570-2563

Last EDR Contact: 10/23/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/11/2017

Date Data Arrived at EDR: 07/14/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 69

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Last EDR Contact: 10/10/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Semi-Annually

MADERA COUNTY:

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: 10/26/2017

Date Data Arrived at EDR: 10/27/2017

Date Made Active in Reports: 11/06/2017

Number of Days to Update: 10

Source: Madera County Environmental Health

Telephone: 559-675-7823

Last EDR Contact: 10/26/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 09/28/2017

Date Data Arrived at EDR: 10/05/2017

Date Made Active in Reports: 11/08/2017

Number of Days to Update: 34

Source: Public Works Department Waste Management

Telephone: 415-473-6647

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 10/02/2017

Date Data Arrived at EDR: 10/03/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 14

Source: Merced County Environmental Health

Telephone: 209-381-1094

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 08/08/2017

Date Data Arrived at EDR: 09/06/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 40

Source: Mono County Health Department

Telephone: 760-932-5580

Last EDR Contact: 08/08/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**CUPA Facility Listing**

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/22/2017

Date Data Arrived at EDR: 06/23/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 47

Source: Monterey County Health Department

Telephone: 831-796-1297

Last EDR Contact: 08/21/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

NAPA COUNTY:**Sites With Reported Contamination**

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017

Date Data Arrived at EDR: 01/11/2017

Date Made Active in Reports: 03/02/2017

Number of Days to Update: 50

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Last EDR Contact: 08/24/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 08/24/2017

Date Data Arrived at EDR: 08/25/2017

Date Made Active in Reports: 10/27/2017

Number of Days to Update: 63

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Last EDR Contact: 08/24/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: No Update Planned

NEVADA COUNTY:**CUPA Facility List**

CUPA facility list.

Date of Government Version: 08/04/2017

Date Data Arrived at EDR: 08/08/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 69

Source: Community Development Agency

Telephone: 530-265-1467

Last EDR Contact: 10/25/2017

Next Scheduled EDR Contact: 02/12/2018

Data Release Frequency: Varies

ORANGE COUNTY:**List of Industrial Site Cleanups**

Petroleum and non-petroleum spills.

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/11/2017

Date Made Active in Reports: 10/11/2017

Number of Days to Update: 61

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 11/06/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/11/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 41

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 11/06/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/09/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 43

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 11/07/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/05/2017

Date Data Arrived at EDR: 09/06/2017

Date Made Active in Reports: 11/08/2017

Number of Days to Update: 33

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 08/31/2017

Next Scheduled EDR Contact: 12/18/2017

Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 06/19/2017

Date Data Arrived at EDR: 07/05/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 35

Source: Plumas County Environmental Health

Telephone: 530-283-6355

Last EDR Contact: 11/01/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/11/2017

Date Data Arrived at EDR: 10/12/2017

Date Made Active in Reports: 11/09/2017

Number of Days to Update: 28

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 09/18/2017

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/12/2017

Date Data Arrived at EDR: 10/12/2017

Date Made Active in Reports: 11/08/2017

Number of Days to Update: 27

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 09/18/2017

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/02/2017
 Date Data Arrived at EDR: 10/03/2017
 Date Made Active in Reports: 10/06/2017
 Number of Days to Update: 3

Source: Sacramento County Environmental Management
 Telephone: 916-875-8406
 Last EDR Contact: 10/03/2017
 Next Scheduled EDR Contact: 01/15/2018
 Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/03/2017
 Date Data Arrived at EDR: 07/06/2017
 Date Made Active in Reports: 08/22/2017
 Number of Days to Update: 47

Source: Sacramento County Environmental Management
 Telephone: 916-875-8406
 Last EDR Contact: 10/03/2017
 Next Scheduled EDR Contact: 01/15/2018
 Data Release Frequency: Quarterly

SAN BENITO COUNTY:**CUPA Facility List**

Cupa facility list

Date of Government Version: 08/08/2017
 Date Data Arrived at EDR: 08/11/2017
 Date Made Active in Reports: 10/16/2017
 Number of Days to Update: 66

Source: San Benito County Environmental Health
 Telephone: N/A
 Last EDR Contact: 11/01/2017
 Next Scheduled EDR Contact: 02/19/2018
 Data Release Frequency: Varies

SAN BERNARDINO COUNTY:**Hazardous Material Permits**

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/30/2017
 Date Data Arrived at EDR: 06/01/2017
 Date Made Active in Reports: 08/25/2017
 Number of Days to Update: 85

Source: San Bernardino County Fire Department Hazardous Materials Division
 Telephone: 909-387-3041
 Last EDR Contact: 11/06/2017
 Next Scheduled EDR Contact: 02/19/2018
 Data Release Frequency: Quarterly

SAN DIEGO COUNTY:**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: 09/05/2017
 Date Data Arrived at EDR: 09/06/2017
 Date Made Active in Reports: 11/08/2017
 Number of Days to Update: 63

Source: Hazardous Materials Management Division
 Telephone: 619-338-2268
 Last EDR Contact: 09/06/2017
 Next Scheduled EDR Contact: 12/18/2017
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**Solid Waste Facilities**

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015

Date Data Arrived at EDR: 11/07/2015

Date Made Active in Reports: 01/04/2016

Number of Days to Update: 58

Source: Department of Health Services

Telephone: 619-338-2209

Last EDR Contact: 10/23/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010

Date Data Arrived at EDR: 06/15/2010

Date Made Active in Reports: 07/09/2010

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371

Last EDR Contact: 08/31/2017

Next Scheduled EDR Contact: 12/18/2017

Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:**Local Oversight Facilities**

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008

Date Data Arrived at EDR: 09/19/2008

Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920

Last EDR Contact: 11/01/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/03/2017

Date Data Arrived at EDR: 05/08/2017

Date Made Active in Reports: 08/25/2017

Number of Days to Update: 109

Source: Department of Public Health

Telephone: 415-252-3920

Last EDR Contact: 11/01/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:**San Joaquin Co. UST**

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 10/03/2017

Date Data Arrived at EDR: 10/06/2017

Date Made Active in Reports: 10/10/2017

Number of Days to Update: 4

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 08/28/2017

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:**CUPA Facility List**

Cupa Facility List.

Date of Government Version: 08/18/2017

Date Data Arrived at EDR: 08/22/2017

Date Made Active in Reports: 10/25/2017

Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**Business Inventory**

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/15/2017

Date Data Arrived at EDR: 09/19/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 09/07/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/15/2017

Date Data Arrived at EDR: 09/19/2017

Date Made Active in Reports: 11/09/2017

Number of Days to Update: 51

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 09/07/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:**CUPA Facility Listing**

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

SANTA CLARA COUNTY:**Cupa Facility List**

Cupa facility list

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/10/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 67

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 08/07/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

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

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 08/24/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**Hazardous Material Facilities**

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/15/2017

Date Made Active in Reports: 10/24/2017

Number of Days to Update: 70

Source: City of San Jose Fire Department

Telephone: 408-535-7694

Last EDR Contact: 11/01/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Annually

SANTA CRUZ COUNTY:**CUPA Facility List**

CUPA facility listing.

Date of Government Version: 01/21/2017

Date Data Arrived at EDR: 02/22/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 90

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

SHASTA COUNTY:**CUPA Facility List**

Cupa Facility List.

Date of Government Version: 06/15/2017

Date Data Arrived at EDR: 06/19/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 51

Source: Shasta County Department of Resource Management

Telephone: 530-225-5789

Last EDR Contact: 08/21/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

SOLANO COUNTY:**Leaking Underground Storage Tanks**

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2017

Date Data Arrived at EDR: 09/27/2017

Date Made Active in Reports: 11/10/2017

Number of Days to Update: 44

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 09/25/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2017

Date Data Arrived at EDR: 09/27/2017

Date Made Active in Reports: 11/08/2017

Number of Days to Update: 42

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 09/25/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

SONOMA COUNTY:**Cupa Facility List**

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 06/27/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 43

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 11/10/2017
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:**CUPA Facility List**

Cupa facility list

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:**Underground Storage Tanks**

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 64

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:**CUPA Facility List**

Cupa facilities

Date of Government Version: 07/19/2017
Date Data Arrived at EDR: 08/11/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 66

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:**CUPA Facility List**

Cupa facility list

Date of Government Version: 07/21/2017
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**CUPA Facility List**

Cupa program facilities

Date of Government Version: 09/27/2017

Date Data Arrived at EDR: 09/28/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division

Telephone: 559-624-7400

Last EDR Contact: 11/01/2017

Next Scheduled EDR Contact: 02/19/2018

Data Release Frequency: Varies

TUOLUMNE COUNTY:**CUPA Facility List**

Cupa facility list

Date of Government Version: 08/21/2017

Date Data Arrived at EDR: 08/22/2017

Date Made Active in Reports: 10/25/2017

Number of Days to Update: 64

Source: Divison of Environmental Health

Telephone: 209-533-5633

Last EDR Contact: 10/23/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

VENTURA COUNTY:**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: 06/26/2017

Date Data Arrived at EDR: 08/03/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 74

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 10/23/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011

Date Data Arrived at EDR: 12/01/2011

Date Made Active in Reports: 01/19/2012

Number of Days to Update: 49

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Annually

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: 11/08/2017

Next Scheduled EDR Contact: 02/26/2018

Data Release Frequency: Quarterly

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: 06/26/2017

Date Data Arrived at EDR: 08/03/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 75

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813

Last EDR Contact: 10/23/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**Underground Tank Closed Sites List**

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/28/2017

Date Data Arrived at EDR: 09/12/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 9

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 09/12/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

YOLO COUNTY:**Underground Storage Tank Comprehensive Facility Report**

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/29/2017

Date Data Arrived at EDR: 07/05/2017

Date Made Active in Reports: 08/25/2017

Number of Days to Update: 51

Source: Yolo County Department of Health

Telephone: 530-666-8646

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Annually

YUBA COUNTY:**CUPA Facility List**

CUPA facility listing for Yuba County.

Date of Government Version: 07/31/2017

Date Data Arrived at EDR: 08/03/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 74

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 10/25/2017

Next Scheduled EDR Contact: 02/12/2018

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: 07/30/2013

Date Data Arrived at EDR: 08/19/2013

Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 11/27/2017

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016

Date Data Arrived at EDR: 04/11/2017

Date Made Active in Reports: 07/27/2017

Number of Days to Update: 107

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 10/05/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 07/31/2017
 Date Data Arrived at EDR: 08/03/2017
 Date Made Active in Reports: 10/12/2017
 Number of Days to Update: 70

Source: Department of Environmental Conservation
 Telephone: 518-402-8651
 Last EDR Contact: 11/01/2017
 Next Scheduled EDR Contact: 02/12/2018
 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
 Date Data Arrived at EDR: 07/25/2017
 Date Made Active in Reports: 09/25/2017
 Number of Days to Update: 62

Source: Department of Environmental Protection
 Telephone: 717-783-8990
 Last EDR Contact: 10/16/2017
 Next Scheduled EDR Contact: 01/29/2018
 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
 Date Data Arrived at EDR: 06/19/2015
 Date Made Active in Reports: 07/15/2015
 Number of Days to Update: 26

Source: Department of Environmental Management
 Telephone: 401-222-2797
 Last EDR Contact: 08/21/2017
 Next Scheduled EDR Contact: 12/04/2017
 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
 Date Data Arrived at EDR: 04/13/2017
 Date Made Active in Reports: 07/14/2017
 Number of Days to Update: 92

Source: Department of Natural Resources
 Telephone: N/A
 Last EDR Contact: 09/11/2017
 Next Scheduled EDR Contact: 12/25/2017
 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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DATE: December 2019

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

233 ATASCADERO ROAD
233 ATASCADERO ROAD
MORRO BAY, CA 93442

TARGET PROPERTY COORDINATES

Latitude (North):	35.380845 - 35° 22' 51.04"
Longitude (West):	120.856352 - 120° 51' 22.87"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	694720.4
UTM Y (Meters):	3917189.8
Elevation:	29 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5629216 MORRO BAY NORTH, CA
Version Date:	2012
Southeast Map:	5603506 MORRO BAY SOUTH, CA
Version Date:	2012
Southwest Map:	5603500 MORRO BAY SOUTH OE W, CA
Version Date:	2012
Northwest Map:	5620058 CAYUCOS, 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 principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

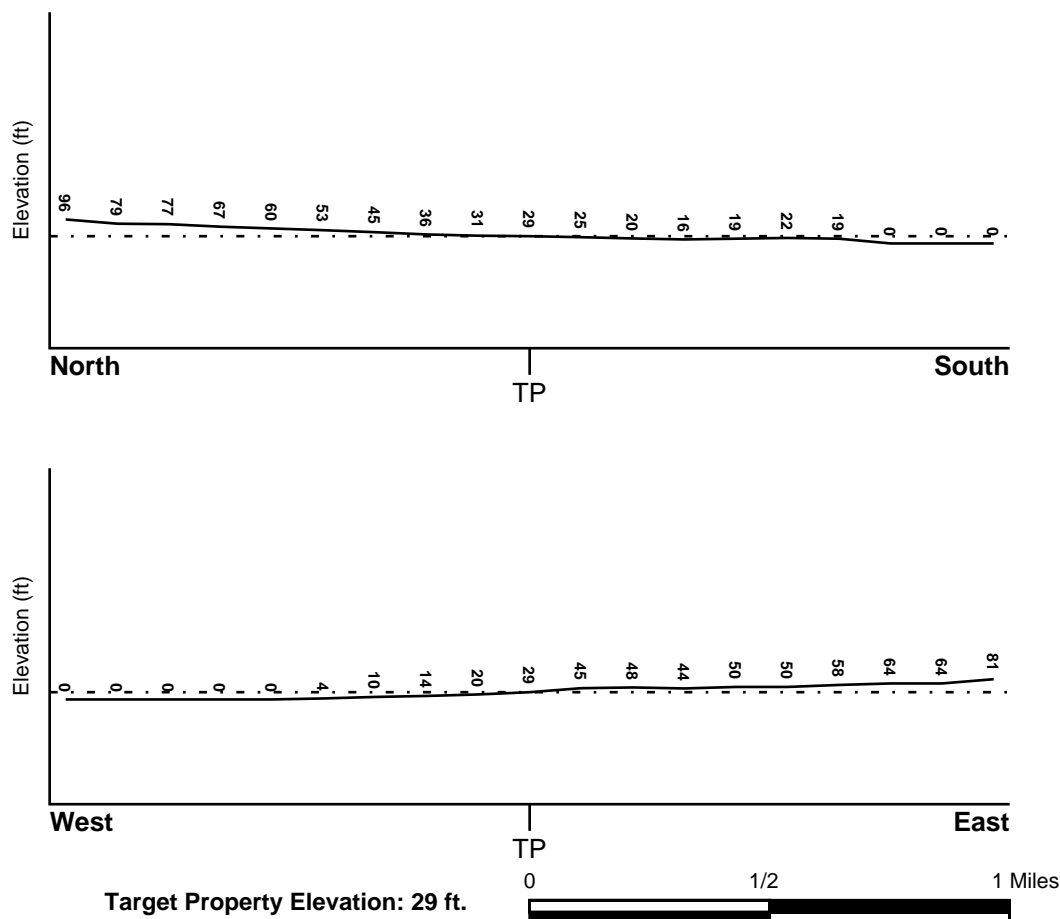
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06079C0813G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06079C0814G	FEMA FIRM Flood data
06079C1026G	FEMA FIRM Flood data
06079C1027G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
MORRO BAY NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
15	1/2 - 1 Mile SSE	W
1G	1/2 - 1 Mile SSE	W

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

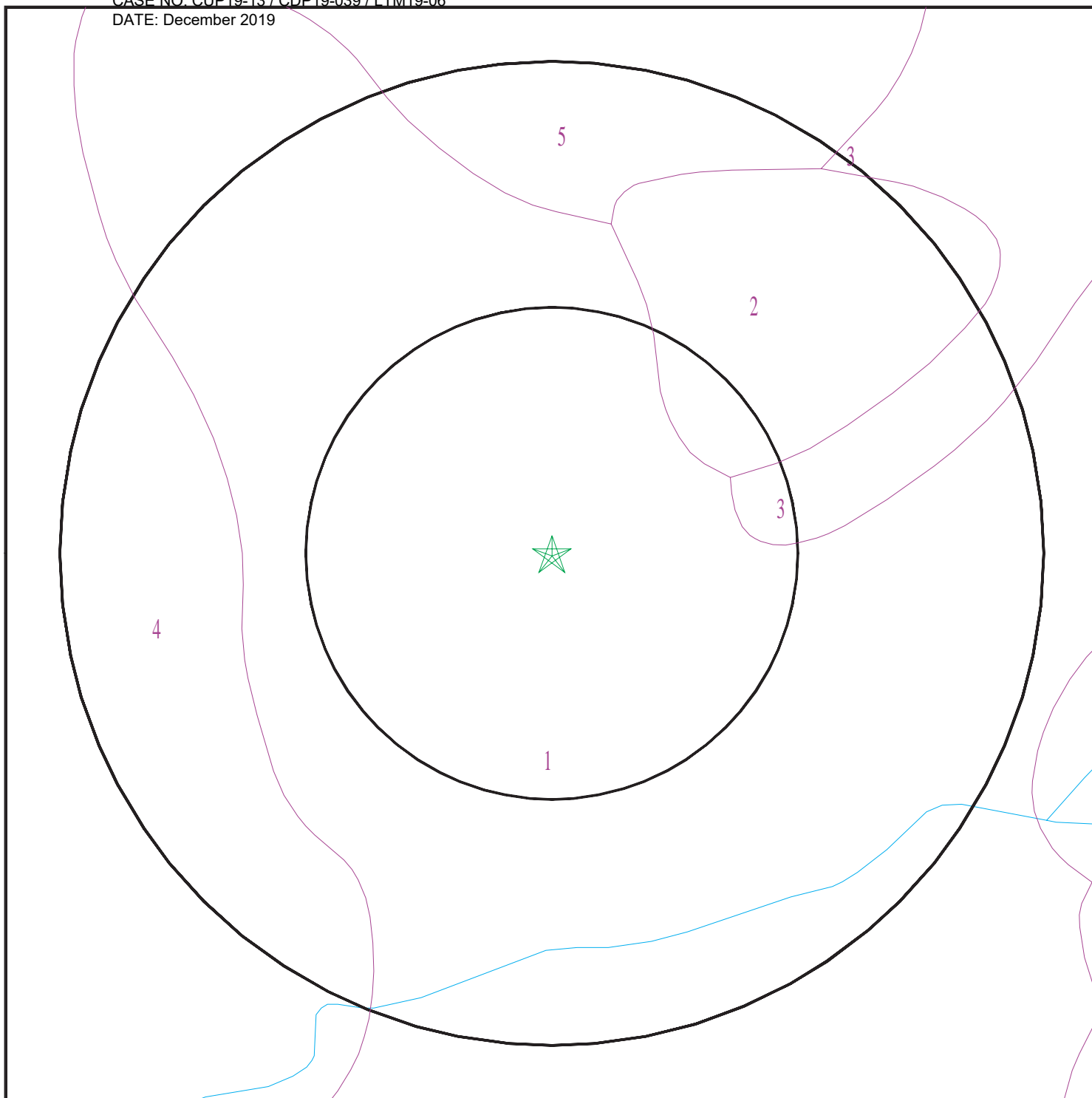
Era:	Mesozoic
System:	Cretaceous
Series:	Upper Mesozoic
Code:	uMze(<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

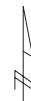
Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5105914.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
CITY: San Jose, CA 95131
LAT/LONG: 35.380845 / 120.856352

CLIENT: Haro Environmental, Inc.
CONTACT: Elliot Haro
INQUIRY #: 5105914.2s
DATE: November 13, 2017 3:27 pm

775

DATE: December 2019

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: Fluvents

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
2	11 inches	48 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
3	48 inches	59 inches	stratified gravelly sand to gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Los Osos

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	14 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 6.5 Min: 5.6
3	31 inches	38 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.6
4	38 inches	42 inches	weathered bedrock	Not reported	Not reported	Max: 0 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: Diablo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 99 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	38 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	38 inches	57 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	57 inches	61 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: Dune land

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 5

Soil Component Name: Concepcion

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	18 inches	46 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.1
3	46 inches	62 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

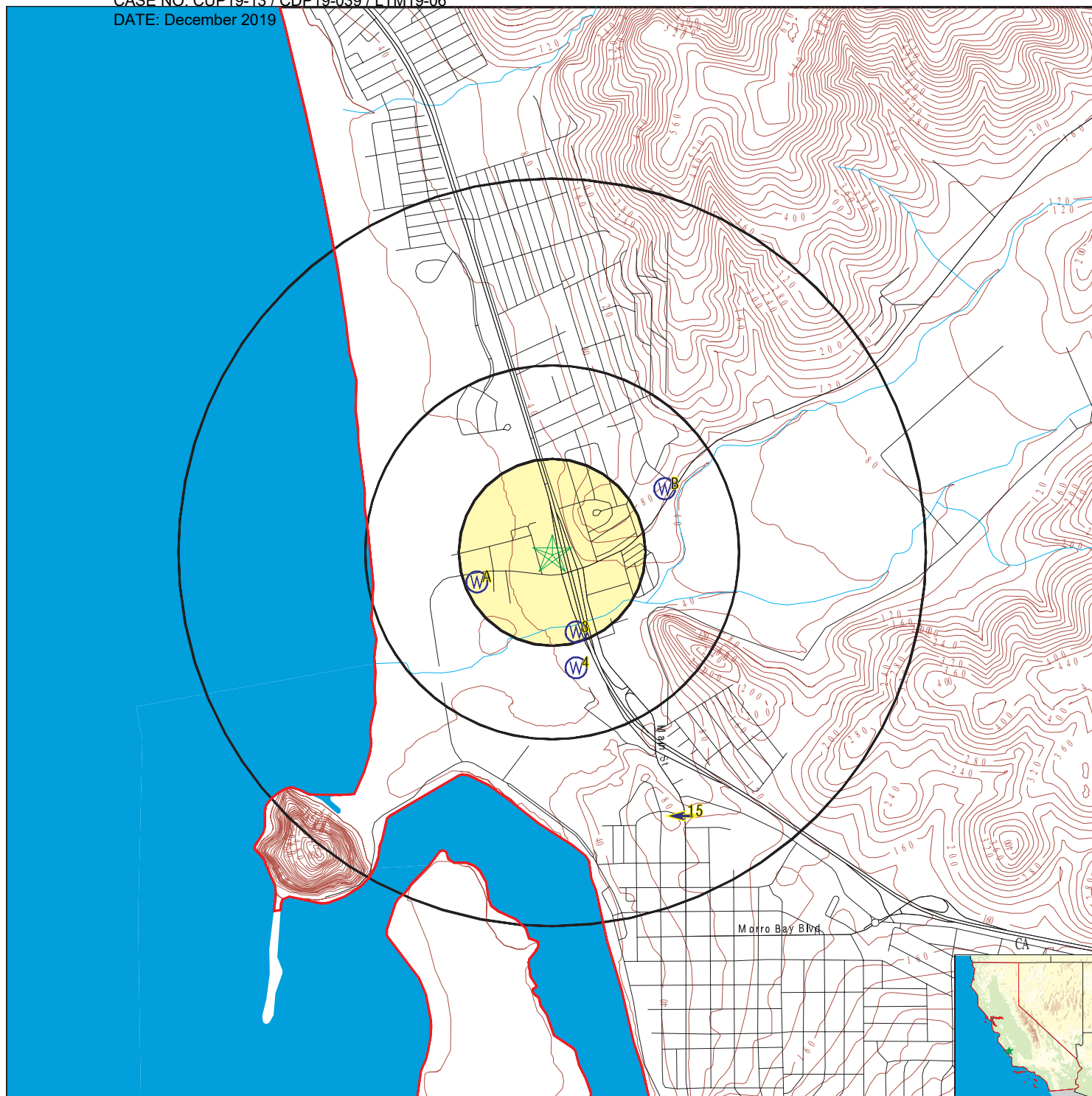
DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	22569	1/8 - 1/4 Mile WSW
A2	22570	1/8 - 1/4 Mile WSW
3	17111	1/8 - 1/4 Mile SSE
4	17110	1/4 - 1/2 Mile SSE
B5	17107	1/4 - 1/2 Mile ENE
B6	17106	1/4 - 1/2 Mile ENE
B7	17105	1/4 - 1/2 Mile ENE
B8	17108	1/4 - 1/2 Mile ENE
B9	17113	1/4 - 1/2 Mile ENE
B10	17112	1/4 - 1/2 Mile ENE
B11	17109	1/4 - 1/2 Mile ENE
B12	17102	1/4 - 1/2 Mile ENE
B13	17103	1/4 - 1/2 Mile ENE
B14	17104	1/4 - 1/2 Mile ENE

PHYSICAL SETTING SOURCE MAP - 5105914.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 233 Atascadero Road
ADDRESS: 233 Atascadero Road
CITY: MONROVIA, CA 91706
LAT/LONG: 35.380845 / 120.856352

CLIENT: Haro Environmental, Inc.
CONTACT: Elliot Haro
INQUIRY #: 5105914.2s
DATE: November 13, 2017 3:27 pm

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
WSW
1/8 - 1/4 Mile
Lower

CA WELLS 22569

Water System Information:

Prime Station Code:	F40/011-DESLRAW	User ID:	TAP
FRDS Number:	4010011022	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/RAW/RO
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352247.2 1205132.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	DESAL RAW		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		
Sample Collected:	24-OCT-12	Findings:	3040. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	24-OCT-12	Findings:	6.7
Chemical:	PH, LABORATORY		
Sample Collected:	24-OCT-12	Findings:	360. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	24-OCT-12	Findings:	430. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	24-OCT-12	Findings:	694. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	24-OCT-12	Findings:	95. MG/L
Chemical:	CALCIUM		
Sample Collected:	24-OCT-12	Findings:	111. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	24-OCT-12	Findings:	373. MG/L
Chemical:	SODIUM		
Sample Collected:	24-OCT-12	Findings:	6.2
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	24-OCT-12	Findings:	12. MG/L
Chemical:	POTASSIUM		
Sample Collected:	24-OCT-12	Findings:	660. MG/L
Chemical:	CHLORIDE		
Sample Collected:	24-OCT-12	Findings:	177. MG/L
Chemical:	SULFATE		
Sample Collected:	24-OCT-12	Findings:	7. UG/L
Chemical:	ARSENIC		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	24-OCT-12	Findings:	200. UG/L
Chemical:	BORON		
Sample Collected:	24-OCT-12	Findings:	600. UG/L
Chemical:	IRON		
Sample Collected:	24-OCT-12	Findings:	13. UG/L
Chemical:	SELENIUM		
Sample Collected:	24-OCT-12	Findings:	14.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	24-OCT-12	Findings:	8.68 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	24-OCT-12	Findings:	0.535 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	24-OCT-12	Findings:	1640. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	24-OCT-12	Findings:	- 0.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	24-OCT-12	Findings:	60.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-OCT-12	Findings:	4.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	24-OCT-12	Findings:	11.6
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	24-OCT-12	Findings:	0.607 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	24-OCT-12	Findings:	13700. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	24-OCT-12	Findings:	6.91 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	24-OCT-12	Findings:	0.368 PCI/L
Chemical:	URANIUM MDA95		
Sample Collected:	24-OCT-12	Findings:	0.248 PCI/L
Chemical:	RADIUM 228 MDA95		

A2
WSW
1/8 - 1/4 Mile
Lower

CA WELLS 22570

Water System Information:

Prime Station Code:	F40/011-DESLTRT	User ID:	TAP
FRDS Number:	4010011023	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/TREATED/RO
Water Type:	Well/Groundwater	Well Status:	Active Treated
Source Lat/Long:	352247.2 1205132.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	DESAL TREATED (RO)		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: 17-NOV-06
Chemical: NITRATE (AS NO3)

Findings: 2.6 MG/L

3
SSE
1/8 - 1/4 Mile
Lower

CA WELLS 17111

Water System Information:

Prime Station Code:	29S/10E-25F04 M	User ID:	TAP
FRDS Number:	4010011002	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352240.1 1205115.6	Precision:	1,000 Feet (10 Seconds)
Source Name:	PG&E WELL 02		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		

4
SSE
1/4 - 1/2 Mile
Lower

CA WELLS 17110

Water System Information:

Prime Station Code:	29S/10E-25F01 M	User ID:	40C
FRDS Number:	4000665001	County:	San Luis Obispo
District Number:	70	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352235.0 1205115.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 02 (F-1)		
System Number:	4000665		
System Name:	PG&E CO. MORRO BAY POWER PLANT		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		
Sample Collected:	12-DEC-06	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		

B5
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17107

Water System Information:

Prime Station Code:	29S/10E-25C04 M	User ID:	TAP
FRDS Number:	4010011018	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 13		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4010011
System Name: MORRO BAY WATER DEPARTMENT
Organization That Operates System:
695 HARBOR ST.
MORRO BAY, CA 93442
Pop Served: 15000
Area Served: MORRO BAY
Sample Collected: 02-DEC-14
Chemical: NITRATE (AS NO3)
Connections: 4655
Findings: 146. MG/L

B6
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17106

Water System Information:

Prime Station Code:	29S/10E-25C03 M	User ID:	TAP
FRDS Number:	4010011006	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 04		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		
Sample Collected:	03-JAN-12	Findings:	89. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-FEB-12	Findings:	88. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAR-12	Findings:	80. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-APR-12	Findings:	73.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-MAY-12	Findings:	72.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	1160. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08-MAY-12	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	08-MAY-12	Findings:	290. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08-MAY-12	Findings:	350. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08-MAY-12	Findings:	505. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08-MAY-12	Findings:	77. MG/L
Chemical:	CALCIUM		
Sample Collected:	08-MAY-12	Findings:	76. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08-MAY-12	Findings:	47. MG/L
Chemical:	SODIUM		
Sample Collected:	08-MAY-12	Findings:	0.9
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08-MAY-12	Findings:	94. MG/L
Chemical:	CHLORIDE		
Sample Collected:	08-MAY-12	Findings:	95. MG/L
Chemical:	SULFATE		
Sample Collected:	08-MAY-12	Findings:	11. UG/L
Chemical:	SELENIUM		
Sample Collected:	08-MAY-12	Findings:	700. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08-MAY-12	Findings:	0.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08-MAY-12	Findings:	74.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08-MAY-12	Findings:	16900. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05-JUN-12	Findings:	66. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-JUL-12	Findings:	71.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-AUG-12	Findings:	78.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-SEP-12	Findings:	83.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-OCT-12	Findings:	111. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-12	Findings:	116. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-NOV-12	Findings:	135. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-DEC-12	Findings:	141. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-JAN-13	Findings:	105. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-FEB-13	Findings:	108. MG/L
Chemical:	NITRATE (AS NO3)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05-MAR-13	Findings:	114. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-APR-13	Findings:	101. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-MAY-13	Findings:	78.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-JUN-13	Findings:	93.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-13	Findings:	100. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-AUG-13	Findings:	85.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-AUG-13	Findings:	84.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	23-AUG-13	Findings:	107. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	28-AUG-13	Findings:	102. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-SEP-13	Findings:	128. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-SEP-13	Findings:	74.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-SEP-13	Findings:	82. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-OCT-13	Findings:	93.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-OCT-13	Findings:	94. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-NOV-13	Findings:	129. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-DEC-13	Findings:	69.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JAN-14	Findings:	94.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-FEB-14	Findings:	151. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-MAR-14	Findings:	116. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-MAR-14	Findings:	1.37 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	18-MAR-14	Findings:	2.14 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01-APR-14	Findings:	133. MG/L
Chemical:	NITRATE (AS NO3)		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-MAY-14	Findings:	120. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-JUN-14	Findings:	116. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-14	Findings:	116. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-AUG-14	Findings:	134. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-SEP-14	Findings:	136. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-OCT-14	Findings:	150. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-NOV-14	Findings:	141. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-14	Findings:	1640. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-NOV-14	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	06-NOV-14	Findings:	390. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	06-NOV-14	Findings:	470. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-NOV-14	Findings:	696. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	06-NOV-14	Findings:	109. MG/L
Chemical:	CALCIUM		
Sample Collected:	06-NOV-14	Findings:	103. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-NOV-14	Findings:	59. MG/L
Chemical:	SODIUM		
Sample Collected:	06-NOV-14	Findings:	156. MG/L
Chemical:	CHLORIDE		
Sample Collected:	06-NOV-14	Findings:	140. MG/L
Chemical:	SULFATE		
Sample Collected:	06-NOV-14	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06-NOV-14	Findings:	120. UG/L
Chemical:	IRON		
Sample Collected:	06-NOV-14	Findings:	960. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-NOV-14	Findings:	0.4
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06-NOV-14	Findings:	137. MG/L
Chemical:	NITRATE (AS NO3)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-NOV-14	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	18-NOV-14	Findings:	122. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	1480. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	20-NOV-14	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	20-NOV-14	Findings:	380. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	20-NOV-14	Findings:	470. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	20-NOV-14	Findings:	634. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	20-NOV-14	Findings:	99. MG/L
Chemical:	CALCIUM		
Sample Collected:	20-NOV-14	Findings:	94. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	20-NOV-14	Findings:	59. MG/L
Chemical:	SODIUM		
Sample Collected:	20-NOV-14	Findings:	127. MG/L
Chemical:	CHLORIDE		
Sample Collected:	20-NOV-14	Findings:	122. MG/L
Chemical:	SULFATE		
Sample Collected:	20-NOV-14	Findings:	780. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	20-NOV-14	Findings:	0.5
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	20-NOV-14	Findings:	82.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	20-NOV-14	Findings:	87.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-DEC-14	Findings:	99.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-JAN-15	Findings:	113. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-FEB-15	Findings:	113. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-MAR-15	Findings:	132. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-APR-15	Findings:	118. MG/L
Chemical:	NITRATE (AS NO3)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05-MAY-15	Findings:	1540. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-MAY-15	Findings:	7.2
Chemical:	PH, LABORATORY		
Sample Collected:	05-MAY-15	Findings:	380. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	05-MAY-15	Findings:	460. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05-MAY-15	Findings:	670. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	05-MAY-15	Findings:	107. MG/L
Chemical:	CALCIUM		
Sample Collected:	05-MAY-15	Findings:	98. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05-MAY-15	Findings:	59. MG/L
Chemical:	SODIUM		
Sample Collected:	05-MAY-15	Findings:	1.
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05-MAY-15	Findings:	138. MG/L
Chemical:	CHLORIDE		
Sample Collected:	05-MAY-15	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	05-MAY-15	Findings:	121. UG/L
Chemical:	BARIUM		
Sample Collected:	05-MAY-15	Findings:	10. UG/L
Chemical:	SELENIUM		
Sample Collected:	05-MAY-15	Findings:	960. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05-MAY-15	Findings:	0.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	05-MAY-15	Findings:	104. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	05-MAY-15	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-MAY-15	Findings:	23400. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	02-JUN-15	Findings:	112. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	07-JUL-15	Findings:	21. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUL-15	Findings:	93. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	04-AUG-15	Findings:	19.1 MG/L
Chemical:	NITRATE (AS N)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01-SEP-15	Findings:	24.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-OCT-15	Findings:	20.7 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-NOV-15	Findings:	17.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-NOV-15	Findings:	77.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-DEC-15	Findings:	9.1 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-JAN-16	Findings:	12. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-FEB-16	Findings:	15.5 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-MAR-16	Findings:	12.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-APR-16	Findings:	7.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-MAY-16	Findings:	6.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUN-16	Findings:	8.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-JUL-16	Findings:	8.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-AUG-16	Findings:	9.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-OCT-16	Findings:	11.1 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-NOV-16	Findings:	13. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	06-DEC-16	Findings:	13.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-JAN-17	Findings:	14.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-FEB-17	Findings:	6.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-MAR-17	Findings:	5.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-APR-17	Findings:	8.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-MAY-17	Findings:	7.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	06-JUN-17	Findings:	9.3 MG/L
Chemical:	NITRATE (AS N)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B7
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17105

Water System Information:

Prime Station Code:	29S/10E-25C02 M	User ID:	TAP
FRDS Number:	4010011005	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 03		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		
Sample Collected:	03-JAN-12	Findings:	93. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-FEB-12	Findings:	109. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAR-12	Findings:	81.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-APR-12	Findings:	72.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-MAY-12	Findings:	75.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	1320. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08-MAY-12	Findings:	7.2
Chemical:	PH, LABORATORY		
Sample Collected:	08-MAY-12	Findings:	320. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08-MAY-12	Findings:	390. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08-MAY-12	Findings:	578. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08-MAY-12	Findings:	88. MG/L
Chemical:	CALCIUM		
Sample Collected:	08-MAY-12	Findings:	87. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08-MAY-12	Findings:	52. MG/L
Chemical:	SODIUM		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08-MAY-12	Findings:	0.9
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08-MAY-12	Findings:	127. MG/L
Chemical:	CHLORIDE		
Sample Collected:	08-MAY-12	Findings:	121. MG/L
Chemical:	SULFATE		
Sample Collected:	08-MAY-12	Findings:	109. UG/L
Chemical:	BARIUM		
Sample Collected:	08-MAY-12	Findings:	12. UG/L
Chemical:	SELENIUM		
Sample Collected:	08-MAY-12	Findings:	810. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08-MAY-12	Findings:	0.2
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08-MAY-12	Findings:	83. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08-MAY-12	Findings:	18800. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05-JUN-12	Findings:	82.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-JUL-12	Findings:	108. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-AUG-12	Findings:	121. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-SEP-12	Findings:	135. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-OCT-12	Findings:	145. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-12	Findings:	146. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-DEC-12	Findings:	165. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-JAN-13	Findings:	153. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-FEB-13	Findings:	150. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAR-13	Findings:	136. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-APR-13	Findings:	106. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-MAY-13	Findings:	92. MG/L
Chemical:	NITRATE (AS NO3)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04-JUN-13	Findings:	105. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-13	Findings:	147. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-AUG-13	Findings:	106. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-OCT-13	Findings:	157. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-NOV-13	Findings:	171. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-DEC-13	Findings:	118. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JAN-14	Findings:	119. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-FEB-14	Findings:	134. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-MAR-14	Findings:	130. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-MAR-14	Findings:	1.43 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	18-MAR-14	Findings:	1.79 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01-APR-14	Findings:	162. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAY-14	Findings:	143. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-JUN-14	Findings:	149. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-14	Findings:	142. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-AUG-14	Findings:	161. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-SEP-14	Findings:	170. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-OCT-14	Findings:	186. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-NOV-14	Findings:	169. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-14	Findings:	1700. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-NOV-14	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	06-NOV-14	Findings:	390. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-NOV-14	Findings:	480. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-NOV-14	Findings:	400. MG/L
Chemical:	NITRITE (AS N)		
Sample Collected:	06-NOV-14	Findings:	715. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	06-NOV-14	Findings:	110. MG/L
Chemical:	CALCIUM		
Sample Collected:	06-NOV-14	Findings:	107. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-NOV-14	Findings:	60. MG/L
Chemical:	SODIUM		
Sample Collected:	06-NOV-14	Findings:	155. MG/L
Chemical:	CHLORIDE		
Sample Collected:	06-NOV-14	Findings:	136. MG/L
Chemical:	SULFATE		
Sample Collected:	06-NOV-14	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06-NOV-14	Findings:	570. UG/L
Chemical:	IRON		
Sample Collected:	06-NOV-14	Findings:	1860. UG/L
Chemical:	ZINC		
Sample Collected:	06-NOV-14	Findings:	1040. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-NOV-14	Findings:	0.4
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06-NOV-14	Findings:	163. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	06-NOV-14	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	18-NOV-14	Findings:	167. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	20-NOV-14	Findings:	141. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	20-NOV-14	Findings:	1670. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	20-NOV-14	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	20-NOV-14	Findings:	400. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	20-NOV-14	Findings:	480. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	20-NOV-14	Findings:	730. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	20-NOV-14	Findings:	113. MG/L
Chemical:	CALCIUM		
Sample Collected:	20-NOV-14	Findings:	109. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	20-NOV-14	Findings:	64. MG/L
Chemical:	SODIUM		
Sample Collected:	20-NOV-14	Findings:	160. MG/L
Chemical:	CHLORIDE		
Sample Collected:	20-NOV-14	Findings:	130. MG/L
Chemical:	SULFATE		
Sample Collected:	20-NOV-14	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	20-NOV-14	Findings:	930. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	20-NOV-14	Findings:	0.5
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	20-NOV-14	Findings:	134. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	02-DEC-14	Findings:	140. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-JAN-15	Findings:	160. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-FEB-15	Findings:	164. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09-FEB-15	Findings:	1.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	03-MAR-15	Findings:	171. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-APR-15	Findings:	165. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAY-15	Findings:	1650. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-MAY-15	Findings:	7.2
Chemical:	PH, LABORATORY		
Sample Collected:	05-MAY-15	Findings:	380. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	05-MAY-15	Findings:	460. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05-MAY-15	Findings:	714. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	05-MAY-15	Findings:	113. MG/L
Chemical:	CALCIUM		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05-MAY-15	Findings:	105. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05-MAY-15	Findings:	60. MG/L
Chemical:	SODIUM		
Sample Collected:	05-MAY-15	Findings:	1.
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05-MAY-15	Findings:	146. MG/L
Chemical:	CHLORIDE		
Sample Collected:	05-MAY-15	Findings:	136. MG/L
Chemical:	SULFATE		
Sample Collected:	05-MAY-15	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05-MAY-15	Findings:	143. UG/L
Chemical:	BARIUM		
Sample Collected:	05-MAY-15	Findings:	15. UG/L
Chemical:	SELENIUM		
Sample Collected:	05-MAY-15	Findings:	990. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05-MAY-15	Findings:	0.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	05-MAY-15	Findings:	158. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAY-15	Findings:	0.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05-MAY-15	Findings:	0.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05-MAY-15	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-MAY-15	Findings:	35700. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	02-JUN-15	Findings:	162. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JUL-15	Findings:	33.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUL-15	Findings:	148. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-AUG-15	Findings:	27.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-SEP-15	Findings:	34.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-OCT-15	Findings:	33.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-NOV-15	Findings:	22.7 MG/L
Chemical:	NITRATE (AS N)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03-NOV-15	Findings:	100. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-DEC-15	Findings:	17.1 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-JAN-16	Findings:	16. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-FEB-16	Findings:	18. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-MAR-16	Findings:	22.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-APR-16	Findings:	11.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-MAY-16	Findings:	9.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUN-16	Findings:	9.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-JUL-16	Findings:	11.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-AUG-16	Findings:	12.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-OCT-16	Findings:	16.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-NOV-16	Findings:	19.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	06-DEC-16	Findings:	22.5 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-JAN-17	Findings:	22.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-FEB-17	Findings:	14.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-MAR-17	Findings:	10.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-APR-17	Findings:	13.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-MAY-17	Findings:	14.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	06-JUN-17	Findings:	15.7 MG/L
Chemical:	NITRATE (AS N)		

B8
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17108

Water System Information:

Prime Station Code: 29S/10E-25E01 M
FRDS Number: 4010011004
District Number: 06
Water Type: Well/Groundwater
Source Lat/Long: 352300.0 1205100.0
Source Name: WELL 02 - INACTIVE

User ID: TAP
County: San Luis Obispo
Station Type: WELL/AMBNT/MUN/INTAKE/SUPPLY
Well Status: Inactive Raw
Precision: Undefined

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4010011
System Name: MORRO BAY WATER DEPARTMENT
Organization That Operates System:
695 HARBOR ST.
MORRO BAY, CA 93442
Pop Served: 15000
Area Served: MORRO BAY
Connections: 4655

B9
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17113

Water System Information:

Prime Station Code:	29S/10E-25F06 M	User ID:	TAP
FRDS Number:	4010011020	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 15		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		
Sample Collected:	01-DEC-15	Findings:	2. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-JAN-16	Findings:	1.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-FEB-16	Findings:	1.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-MAR-16	Findings:	1.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-APR-16	Findings:	1.7 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-MAY-16	Findings:	2.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUN-16	Findings:	2.5 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-JUL-16	Findings:	3.1 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-AUG-16	Findings:	2.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-OCT-16	Findings:	3.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-NOV-16	Findings:	3.1 MG/L
Chemical:	NITRATE (AS N)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-DEC-16	Findings:	2.7 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-JAN-17	Findings:	3.1 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-FEB-17	Findings:	3.7 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-MAR-17	Findings:	4.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-APR-17	Findings:	4.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-MAY-17	Findings:	4.7 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	06-JUN-17	Findings:	3.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-JAN-12	Findings:	48.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-FEB-12	Findings:	38.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAR-12	Findings:	38.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-APR-12	Findings:	43.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-MAY-12	Findings:	46.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	1100. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08-MAY-12	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	08-MAY-12	Findings:	300. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08-MAY-12	Findings:	370. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08-MAY-12	Findings:	469. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08-MAY-12	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	08-MAY-12	Findings:	69. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08-MAY-12	Findings:	48. MG/L
Chemical:	SODIUM		
Sample Collected:	08-MAY-12	Findings:	1.
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08-MAY-12	Findings:	97. MG/L
Chemical:	CHLORIDE		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08-MAY-12	Findings:	81. MG/L
Chemical:	SULFATE		
Sample Collected:	08-MAY-12	Findings:	113. UG/L
Chemical:	BARIUM		
Sample Collected:	08-MAY-12	Findings:	6. UG/L
Chemical:	SELENIUM		
Sample Collected:	08-MAY-12	Findings:	640. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08-MAY-12	Findings:	0.2
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	08-MAY-12	Findings:	48.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08-MAY-12	Findings:	10900. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05-JUN-12	Findings:	44.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-JUL-12	Findings:	45.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-AUG-12	Findings:	44.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-SEP-12	Findings:	46.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-OCT-12	Findings:	46.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-12	Findings:	38.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-DEC-12	Findings:	42. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-JAN-13	Findings:	42.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-FEB-13	Findings:	49.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAR-13	Findings:	48.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-APR-13	Findings:	53.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-MAY-13	Findings:	52.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-JUN-13	Findings:	53.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-13	Findings:	55.4 MG/L
Chemical:	NITRATE (AS NO3)		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-AUG-13	Findings:	63.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-OCT-13	Findings:	52.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-NOV-13	Findings:	33.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-DEC-13	Findings:	25.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JAN-14	Findings:	24.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-FEB-14	Findings:	21.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-MAR-14	Findings:	22.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-MAR-14	Findings:	1.67 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	18-MAR-14	Findings:	2.46 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01-APR-14	Findings:	22.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAY-14	Findings:	19.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-JUN-14	Findings:	18.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-14	Findings:	19.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-AUG-14	Findings:	18.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-SEP-14	Findings:	17.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-OCT-14	Findings:	18.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-NOV-14	Findings:	17.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-14	Findings:	1100. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-NOV-14	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	06-NOV-14	Findings:	330. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	06-NOV-14	Findings:	410. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-NOV-14	Findings:	473. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-NOV-14	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	06-NOV-14	Findings:	70. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-NOV-14	Findings:	43. MG/L
Chemical:	SODIUM		
Sample Collected:	06-NOV-14	Findings:	103. MG/L
Chemical:	CHLORIDE		
Sample Collected:	06-NOV-14	Findings:	95. MG/L
Chemical:	SULFATE		
Sample Collected:	06-NOV-14	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06-NOV-14	Findings:	120. UG/L
Chemical:	IRON		
Sample Collected:	06-NOV-14	Findings:	640. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-NOV-14	Findings:	0.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06-NOV-14	Findings:	15.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-14	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	18-NOV-14	Findings:	17.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	1160. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	20-NOV-14	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	20-NOV-14	Findings:	340. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	20-NOV-14	Findings:	420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	20-NOV-14	Findings:	497. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	20-NOV-14	Findings:	77. MG/L
Chemical:	CALCIUM		
Sample Collected:	20-NOV-14	Findings:	74. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	20-NOV-14	Findings:	47. MG/L
Chemical:	SODIUM		
Sample Collected:	20-NOV-14	Findings:	107. MG/L
Chemical:	CHLORIDE		
Sample Collected:	20-NOV-14	Findings:	95. MG/L
Chemical:	SULFATE		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	20-NOV-14	Findings:	640. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	20-NOV-14	Findings:	0.4
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	20-NOV-14	Findings:	14.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	20-NOV-14	Findings:	15.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-DEC-14	Findings:	14.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-JAN-15	Findings:	15.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-FEB-15	Findings:	9.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-MAR-15	Findings:	15.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-APR-15	Findings:	15.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAY-15	Findings:	1060. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-MAY-15	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	05-MAY-15	Findings:	320. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	05-MAY-15	Findings:	400. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05-MAY-15	Findings:	464. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	05-MAY-15	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	05-MAY-15	Findings:	68. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05-MAY-15	Findings:	45. MG/L
Chemical:	SODIUM		
Sample Collected:	05-MAY-15	Findings:	0.9
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05-MAY-15	Findings:	94. MG/L
Chemical:	CHLORIDE		
Sample Collected:	05-MAY-15	Findings:	91. MG/L
Chemical:	SULFATE		
Sample Collected:	05-MAY-15	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05-MAY-15	Findings:	10. UG/L
Chemical:	SELENIUM		
Sample Collected:	05-MAY-15	Findings:	2.1 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	05-MAY-15	Findings:	620. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05-MAY-15	Findings:	0.2
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	05-MAY-15	Findings:	13. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAY-15	Findings:	0.4 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05-MAY-15	Findings:	2.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05-MAY-15	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-MAY-15	Findings:	2900. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	02-JUN-15	Findings:	13.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JUL-15	Findings:	2.5 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUL-15	Findings:	11.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-AUG-15	Findings:	2.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-SEP-15	Findings:	2.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-OCT-15	Findings:	2.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-NOV-15	Findings:	2.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-NOV-15	Findings:	10.2 MG/L
Chemical:	NITRATE (AS NO3)		

B10
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17112

Water System Information:

Prime Station Code:	29S/10E-25F05 M	User ID:	TAP
FRDS Number:	4010011019	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 14		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		
Sample Collected:	03-JAN-12	Findings:	54.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-FEB-12	Findings:	66.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAR-12	Findings:	70.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-APR-12	Findings:	64.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-MAY-12	Findings:	62.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	1180. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08-MAY-12	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	08-MAY-12	Findings:	320. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08-MAY-12	Findings:	390. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08-MAY-12	Findings:	511. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08-MAY-12	Findings:	81. MG/L
Chemical:	CALCIUM		
Sample Collected:	08-MAY-12	Findings:	75. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08-MAY-12	Findings:	48. MG/L
Chemical:	SODIUM		
Sample Collected:	08-MAY-12	Findings:	0.9
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	08-MAY-12	Findings:	107. MG/L
Chemical:	CHLORIDE		
Sample Collected:	08-MAY-12	Findings:	90. MG/L
Chemical:	SULFATE		
Sample Collected:	08-MAY-12	Findings:	8. UG/L
Chemical:	SELENIUM		
Sample Collected:	08-MAY-12	Findings:	700. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08-MAY-12	Findings:	0.2
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08-MAY-12	Findings:	58.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-12	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	08-MAY-12	Findings:	13200. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05-JUN-12	Findings:	56.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-JUL-12	Findings:	57.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-AUG-12	Findings:	55.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-SEP-12	Findings:	57.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-OCT-12	Findings:	68.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-12	Findings:	67.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-DEC-12	Findings:	85.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-JAN-13	Findings:	53.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-FEB-13	Findings:	62.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAR-13	Findings:	77.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-APR-13	Findings:	83.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-MAY-13	Findings:	75. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-JUN-13	Findings:	69.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-13	Findings:	72.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-AUG-13	Findings:	74.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-OCT-13	Findings:	54.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-NOV-13	Findings:	52.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-DEC-13	Findings:	29.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JAN-14	Findings:	35.2 MG/L
Chemical:	NITRATE (AS NO3)		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04-FEB-14	Findings:	48.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-MAR-14	Findings:	41.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-MAR-14	Findings:	1.99 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	18-MAR-14	Findings:	2.18 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01-APR-14	Findings:	52.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAY-14	Findings:	46.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-JUN-14	Findings:	43.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-14	Findings:	45.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-AUG-14	Findings:	49. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-SEP-14	Findings:	49.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-OCT-14	Findings:	59.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-NOV-14	Findings:	56.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-14	Findings:	1210. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-NOV-14	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	06-NOV-14	Findings:	340. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	06-NOV-14	Findings:	410. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-NOV-14	Findings:	500. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	06-NOV-14	Findings:	80. MG/L
Chemical:	CALCIUM		
Sample Collected:	06-NOV-14	Findings:	73. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-NOV-14	Findings:	46. MG/L
Chemical:	SODIUM		
Sample Collected:	06-NOV-14	Findings:	103. MG/L
Chemical:	CHLORIDE		
Sample Collected:	06-NOV-14	Findings:	106. MG/L
Chemical:	SULFATE		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-NOV-14	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06-NOV-14	Findings:	710. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-NOV-14	Findings:	0.2
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06-NOV-14	Findings:	55.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-NOV-14	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	18-NOV-14	Findings:	44.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	35.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	1170. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	20-NOV-14	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	20-NOV-14	Findings:	330. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	20-NOV-14	Findings:	400. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	20-NOV-14	Findings:	491. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	20-NOV-14	Findings:	78. MG/L
Chemical:	CALCIUM		
Sample Collected:	20-NOV-14	Findings:	72. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	20-NOV-14	Findings:	47. MG/L
Chemical:	SODIUM		
Sample Collected:	20-NOV-14	Findings:	101. MG/L
Chemical:	CHLORIDE		
Sample Collected:	20-NOV-14	Findings:	93. MG/L
Chemical:	SULFATE		
Sample Collected:	20-NOV-14	Findings:	640. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	20-NOV-14	Findings:	0.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	20-NOV-14	Findings:	36.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-NOV-14	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	02-DEC-14	Findings:	37. MG/L
Chemical:	NITRATE (AS NO3)		

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-JAN-15	Findings:	38.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-FEB-15	Findings:	35.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-MAR-15	Findings:	44.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-APR-15	Findings:	52.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAY-15	Findings:	1210. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-MAY-15	Findings:	7.2
Chemical:	PH, LABORATORY		
Sample Collected:	05-MAY-15	Findings:	350. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	05-MAY-15	Findings:	420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05-MAY-15	Findings:	516. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	05-MAY-15	Findings:	83. MG/L
Chemical:	CALCIUM		
Sample Collected:	05-MAY-15	Findings:	75. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05-MAY-15	Findings:	46. MG/L
Chemical:	SODIUM		
Sample Collected:	05-MAY-15	Findings:	0.9
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05-MAY-15	Findings:	105. MG/L
Chemical:	CHLORIDE		
Sample Collected:	05-MAY-15	Findings:	96. MG/L
Chemical:	SULFATE		
Sample Collected:	05-MAY-15	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05-MAY-15	Findings:	9. UG/L
Chemical:	SELENIUM		
Sample Collected:	05-MAY-15	Findings:	710. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05-MAY-15	Findings:	0.2
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	05-MAY-15	Findings:	38.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-MAY-15	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-MAY-15	Findings:	8700. MG/L
Chemical:	NITRATE + NITRITE (AS N)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02-JUN-15	Findings:	34.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JUL-15	Findings:	7.1 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUL-15	Findings:	31.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-AUG-15	Findings:	6.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-SEP-15	Findings:	7.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-OCT-15	Findings:	7.1 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-NOV-15	Findings:	6.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-NOV-15	Findings:	28.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-DEC-15	Findings:	4.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-JAN-16	Findings:	4.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-FEB-16	Findings:	2.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-MAR-16	Findings:	5.4 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-APR-16	Findings:	3.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-MAY-16	Findings:	6.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-JUN-16	Findings:	5.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-JUL-16	Findings:	5.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-AUG-16	Findings:	5.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-OCT-16	Findings:	6. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-NOV-16	Findings:	6.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	06-DEC-16	Findings:	4.9 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	03-JAN-17	Findings:	5.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-FEB-17	Findings:	7.2 MG/L
Chemical:	NITRATE (AS N)		

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07-MAR-17	Findings:	5.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	04-APR-17	Findings:	6. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	02-MAY-17	Findings:	6.7 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	06-JUN-17	Findings:	6.1 MG/L
Chemical:	NITRATE (AS N)		

B11
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17109

Water System Information:

Prime Station Code:	29S/10E-25E02 M	User ID:	TAP
FRDS Number:	4010011003	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 01 - INACTIVE		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		

B12
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17102

Water System Information:

Prime Station Code:	29S/10E-25B03 M	User ID:	TAP
FRDS Number:	4010011009	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 07 - ABANDONED		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		

B13
ENE
1/4 - 1/2 Mile
Higher

CA WELLS 17103

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	29S/10E-25B04 M	User ID:	TAP
FRDS Number:	4010011008	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 06 - ABANDONED		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		

**B14
ENE
1/4 - 1/2 Mile
Higher**

CA WELLS 17104

Water System Information:

Prime Station Code:	29S/10E-25C01 M	User ID:	TAP
FRDS Number:	4010011007	County:	San Luis Obispo
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	352300.0 1205100.0	Precision:	Undefined
Source Name:	WELL 05 - ABANDONED		
System Number:	4010011		
System Name:	MORRO BAY WATER DEPARTMENT		
Organization That Operates System:	695 HARBOR ST. MORRO BAY, CA 93442		
Pop Served:	15000	Connections:	4655
Area Served:	MORRO BAY		

**15
SSE
1/2 - 1 Mile
Higher**

Site ID:	Not Reported
Groundwater Flow:	W
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	64
Date:	JULY 27, 1

AQUIFLOW 5501

**1G
SSE
1/2 - 1 Mile
Lower**

Site ID:	Not Reported
Groundwater Flow:	W
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	64
Date:	JULY 27, 1

AQUIFLOW 5501

DATE: December 2019

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93442	59	1

Federal EPA Radon Zone for SAN LUIS OBISPO 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 Zip Code: 93442

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.767 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED**TOPOGRAPHIC INFORMATION****USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION**AQUIFLOW^R Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION**Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED**LOCAL / REGIONAL WATER AGENCY RECORDS****FEDERAL WATER WELLS****PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS**Water Well Database**

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION**California Oil and Gas Well Locations**

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON**State Database: CA Radon**

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED**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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233 Atascadero Road

233 Atascadero Road
Morro Bay, CA 93442

Inquiry Number: 5105914.5
November 16, 2017

The EDR-City Directory Image Report

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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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Data by

infoUSA[®]

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RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1990	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1984	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

233 Atascadero Road
Morro Bay, CA 93442

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

ATASCADERO RD

2010	pg A1	Haines Criss-Cross Directory
2005	pg A3	Haines Criss-Cross Directory
2005	pg A4	Haines Criss-Cross Directory
2005	pg A5	EDR Digital Archive
2000	pg A9	Haines Criss-Cross Directory
1995	pg A11	Haines Criss-Cross Directory
1990	pg A13	Haines Criss-Cross Directory
1990	pg A14	Haines Criss-Cross Directory
1984	pg A16	Haines Criss-Cross Directory
1984	pg A17	Haines Criss-Cross Directory
1980	pg A19	Haines Criss-Cross Directory
1980	pg A20	Haines Criss-Cross Directory
1975	pg A21	Haines Criss-Cross Directory
1975	pg A22	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>HWY 1</u>			
2010	pg. A2	Haines Criss-Cross Directory	
2005	pg. A8	Haines Criss-Cross Directory	
2000	pg. A10	Haines Criss-Cross Directory	
1995	pg. A12	Haines Criss-Cross Directory	
1990	pg. A15	Haines Criss-Cross Directory	
1984	pg. A18	Haines Criss-Cross Directory	
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

ATASCADERO RD 2010

ATASCADERO RD 93442 MORRO BAY			
WEALTH CODE 1.7			
220	★ MORRO BAY	805-771-9007	7
	★ MORRO BAY PLBG	805-481-3839	7
	MID COAST PLMBG		
221	★ MORRO STRAND RV	805-772-8232	5
	PARK		
225	XXXX	OO	
231	XXXX	OO	
235	★ MORRO BAY HIGH	805-771-1845	2
	MORRO BAY HIGH		
290	★ MORRO SHORES INN	805-772-0222	7
	& SUITES		
298	★ MOTEL 6	805-772-5641	
396	★ SUNSET LIQUOR	805-772-7133	
X	MAIN ST		
440	HAMILTON Thomas	805-772-1418	6
X	SUNSET AVE		
490	AULBACH Thomas	805-772-2735	3
	GALLARDO Eddie	805-772-1600	9
	MAIN Sally	805-772-2352	7
	POWER William	805-772-1501	6
495	BUOY&GULL TRLR PK		
	ALTIMUS Dan	805-772-9392	
	BEAR Ron	805-772-7199	7
	BYFORD Tommy	805-772-4608	5
	KITCHEN John E	805-772-1455	
	LINGER Robt	805-772-9530	
	MCGUIRE Jeanne A	805-772-6842	4
	NUNN Billy	805-772-2952	7
	PHILLIPS Larry	805-772-2714	8
495	SILVER CITY MBL MNR		
500	♣ ANTON Norman	805-225-1400	8
	♣ BAHE D K	805-772-4328	
	♣ BAILEY Virginia	805-772-5375	
	♣ BAKER Alice	805-772-2430	+0
	♣ BUHLER R D	805-771-9146	7
	♣ CERNY Vera	805-771-9854	4
	♣ COLLINS Iva	805-771-9005	+0
	♣ COOPER Jim	805-225-1212	8
	♣ DINWIDDIE Eleanor	805-772-1980	4
	♣ DORWART Bernice	805-771-9032	3
	♣ GLAVOR Mark	805-771-8685	3
	♣ GREENE Janice	805-771-8064	+0
	♣ HIMEBAUGH William	805-772-1027	9
	♣ HURLEY Henry	805-772-9163	
	♣ JENNINGS Jack J	805-772-7478	
	♣ JOLLIFF Rick	805-225-1267	+0
	♣ KOVACS Bonnie	805-225-1122	+0
	♣ LAUNCHBAUGH Doug	805-771-9791	3
	♣ LEONARD Eddie	805-772-7066	
	♣ MARSH Susan	805-771-8139	8
	♣ MCCOY Judy	805-225-1336	+0
	♣ METZLER Alex	805-771-9691	6
	♣ MORGAN M	805-772-3052	9
	♣ RACKLEY A	805-772-7280	9
	♣ SHEELA G	805-772-3188	+0
	♣ ★ SILVER CITY MBL	805-772-7478	
	MNR		
	♣ STEEN Thelma	805-225-1295	+0
	♣ TAYLOR Michele	805-772-4033	8
	♣ VANHOUTEN Louise	805-771-8106	3
	♣ VIERRA Manuel N	805-772-6775	
	♣ WELLS Robert	805-772-8523	5
	♣ WHEELER Keith	805-772-8119	
	♣ WILLIS Don	805-772-5867	4
	♣ WILSON Jack	805-772-1299	4
500			

HWY 1 2010

★ 1 BUS 9 RES 0 NEW

HIGHWAY 1 93442
MORRO BAY

4000 ★ CHEVRON CHEVRON 805-772-2611
PIPE LINE CO

★ CHEVRON ESTERO 805-772-2611
MARINE TERMINAL

★ 2 BUS 0 RES 0 NEW

ATASCADERO RD 2005

ATASCADERO RD			
93442 MORRO BAY			
WEALTH CODE 3.2			
190	★ WIXOM TRUCKING COMPANY	805-772-4190	0
221	★ MORRO STRAND RV PARK	805-772-8232	+5
235	★ MORRO BAY HIGH SCHOOL	805-771-1845	2
298	★ MOTEL 6	805-772-5641	
396	★ SUNSET LIQUOR	805-772-7133	
X	MAIN ST		
440	MOXHAM Thomas	805-772-5383	+5
	WALLACE Tanya	805-772-1822	+5
X	SUNSET AVE		
490	ESTERO BAY RV PARK		
	AULBACH Thomas	805-772-2735	3
1	DAVIS Barbara	805-771-9603	+5
	GALLARDO Francia	805-772-7802	3
12	KRAFT Stan	805-772-1613	
15	MAIN Sally A	805-772-2352	7
	MARTIN Bernard E	805-771-9290	7
	PUCKETT Edward L	805-772-5182	2
490	BUOY & GULL TRLR PK		
495	ABBOTT Gary	805-772-8278	8
10	ALTIMUS Dan	805-772-9392	0
	★ BUOY & GULL TRAILER TERRACE	805-772-8090	
	GILBERT P J	805-772-8698	
	GRIGGS Daryl	805-772-8090	
	KITCHEN John E	805-772-1455	
	LINGER Norma	805-772-9530	
	MCGILL Paul	805-772-4612	3

ATASCADERO RD 2005

	MCGUIRE Jeanne A	805-772-6842	3
495		
500	SILVER CITY MBL MNR	
	★ ACE BAIL BOND AGENCY	805-772-7535	9
	ADAMS Keith E	805-772-0434	7
	BAHE D K	805-772-4328	
	BAILEY Buck Alden	805-772-5375	
	BARTLETT Jack A	805-772-4651	
	BRADY Billy	805-772-2613	
	BURKHARD Judy	805-772-2986	2
	BURKHARD Rich	805-772-2986	2
	CARTER Alberta	805-772-2509	1
	CARTER John	805-772-2509	1
	CERNY Vera	805-771-9854	4
	CLYDE Patricia M	805-771-0259	2
	CORLEY Kenneth	805-772-2642	2
	CRAWLEY James	805-771-0124	
	CREEGAN C E	805-772-3188	
	DIMAGGIO J Paul	805-771-9431	3
	DINWIDDIE Eleanor	805-772-1980	3
	DORWART Bernice	805-771-9032	3
	GLAVOR Mark	805-771-8685	3
	GRICE James	805-772-0617	3
	HAMILTON Milton	805-772-7561	2
	HENRY Robert	805-772-6313	3
	HURLEY Henry	805-772-9163	8
	JENNINGS Jack J	805-772-7478	
	JOHNSON Dorothy	805-772-5058	3
	LAUNCHBAUGH Doug	805-771-9791	3
	LEONARD Eddie	805-772-7066	
	MOFFATT Mary J	805-772-6731	0
	PETTER D S	805-772-1396	
	PETTER R H	805-772-1396	
	PIERCE Glenn	805-771-9861	3
	★ SILVER CITY MBL MNR	805-772-7478	
	SMELTZER P	805-772-2815	3
	STOFFLE K	805-772-8522	+5
	TARANGO Carol	805-771-0268	4
	★ VALLEY INDUSTRIAL	805-771-9700	+5
	VANHORN Richard	805-772-5784	3
	VANHOUTEN Louise	805-771-8106	3
	VESSELLS Frankie	805-772-8295	1
	VIERRA Manuel N	805-772-6775	8
	WELLS Robert	805-772-8523	9
	WELSH V	805-772-4456	9
	WHEELER Keith	805-772-8119	7
	WILLIS Don	805-772-5867	+5
	WILSON Jack	805-772-1299	+5
500		
520	★ ACF HARDWARE	805-772-2233	9

ATASCADERO RD 2005

180	HANSON AGGREGATES MID-PACIFIC
220	FLIPPOS SURFSIDE SKATE HARBOR
221	MORRO STRAND RV PARK
225	OCCUPANT UNKNOWN,
235	SAN LUIS CSTL UNIFIED SCHL DST
298	MOTEL 6 OPERATING LP
396	SUNSET LIQUOR INC
490	ASHER, STEPHEN P
	BATTEN, JODY D
	CHILDERS, ROD
	COBURN, MICHAEL J
	DAVIS, BARBARA L
	ESPENA, JORDAN
	ESTERO BAY RV PARK
	GALLARDO, FRANCIA
	GIBBS, ERROL E
	HILL, THOMAS H
	KRAFT, STAN A
	MAIN, SALLY A
	MCAAMY, MARY K
	PUCKETT, EDWARD L
	PUGH, LILLIAN
	RAMIREZ, PATRICIA
	SCHINDLER, CARRIE L
495	ABBOTT, GARY
	BUOY & GULL TRAILER TERRACE
	BYFORD, TOMMY
	CLIFFORD, ROBERT
	DARYL, GRIGGS
	ERDEI, CHARLES
	GILBERT, P J
	GRIGGS, DARYL B
	KITCHEN, JOHN E
	LINGER, ROBERT
	MCGILL, PAUL
	MCGUIRE JEANNE
500	ADAMS, KEITH E
	AINSLIE, STEPHEN T
	ATKERSON, RONALD W
	AUGEROT, CHRISTOPHER L
	BAHE, DIANE K
	BAILEY, ALDEN E
	BAILEY, SAMANTHA
	BALTHASER, JANET
	BARTLETT, JACK A
	BENNETT, ALICE M
	BRADLEY, ANN E
	BRADY, BILLY
	BUHLER, DARLENE R
	BURKDOLL, EVELYN

ATASCADERO RD 2005 (Cont'd)

500 BURKHARD, RICH
CARTER, JOHN
CHASSE, PATRICIA T
CHRISTENSEN, DONALD J
CHRISTIANSEN, LES N
CLYDE, PATRICIA M
CONLEY, GLADYS J
CREEGAN, C E
DORWART, BERNICE
FASILIS, ROBERTA A
FISKE, JOSEPH H
FOLSOM, LYNN K
GARCIA, VICTOR M
GEARY, SUZANNA
GOULD, JAN M
GRICE, JAMES L
HENRY, MARJORIE J
HERNANDEZ, ARTHUR
HERR, PAMELA R
HODGES, JACK
HURLEY, HANK
JENNINGS, JACK L
JOHNSON, DOROTHY M
KAPPUS, SUSAN B
KENOYER, JACK
LEONARD, EDDIE J
LEONG, RANDY C
LEWIS, JEFF
LUNDQUIST, EMILY
LUXTON, TERESA A
MCCARTHY, KATHY
MORGAN, MARY P
PEMBERTON, LLOYD
PETTER, MARGARET E
PIERCE, GLENN
PING, BILLIE
POVERO, MICHAEL
RACKLEY, ALICE F
RED, KENNETH
RINGER, JEFF P
RUIZ, ROSALINA L
SILVER CITY
SOWALA, CARMELIA
SQUYRES, JOE
STOFFLE, KATHERINE
TARANGO, CAROL A
THORNHILL, JAMES C
V ALDRIDGE INC
VAN, HORN R
VIERRA, MANUEL N

ATASCADERO RD 2005 (Cont'd)

500	WATSON, COLEEN W WELSH, VIRGINIA F WHEELER, KEITH H WILSON, JACK WOMENS AGLOW FELLOWSHIP ZAZUETA, MARILEE
520	MINERS ACE HARDWARE INC
525	ORTEGA, ROBERT
527	OCCUPANT UNKNOWN,
535	HOWELL, NICHOLAS J
540	ACTION COAST INC ART BROKER BORCHARD LEE CONCRETE COAST RENTAL & SALES INC COASTAL COUNTER TOPS PETERSON PAUL SLOCO HEATING & COOLING INC
575	ANDERSON, JEFFERSON L
679	PHILLIP YVONNE YOUNG FMLY LTD

HWY 1 2005

★ 2 BUS 3 RES 1 NEW

HIGHWAY 1 93442
MORRO BAY

4000 ★ CHEVRON
COMPANIES

805-772-2611

★ 1 BUS 0 RES 0 NEW

ATASCADERO RD 2000

ATASCADERO RD 93442 MORRO BAY			
WEALTH CODE 3.5			
104	XXXX	00	
158	XXXX	00	
160	XXXX	00	
180	★ HANSON AGGREGATES	805-772-2777	+8
190	★ WIXOM TRUCKING COMPANY	805-772-4190	+8
220	★ FLIPPOS SURFSIDE SKATE HARBOR PUETT Donald L	805-772-7851 805-772-3602	
	★ SKATE HARBOR-FLIPPO'S	805-772-7851	
225	XXXX	00	
231	★ PARADISE ISLAND FUN PARK	805-771-8760	8
235	★ MORRO BAY CTY REC&PK SWIM POOL	805-772-7128	4
	★ MORRO BAY HIGH SCHOOL	805-772-7351	9
	★ SANLUIS SC HGH MORRO BAY	805-772-7351	9
	★ SANLUIS SC HGH MORRO BAY ATTND	805-772-7333	9
240	XXXX	00	
290	XXXX	00	

HWY 1 2000

HWY 1 93442
MORRO BAY

4000 ★ CHEVRON CO CHVRN 805-772-2611
PPE LINE CO
★ 1 BUS 0 RES 0 NEW

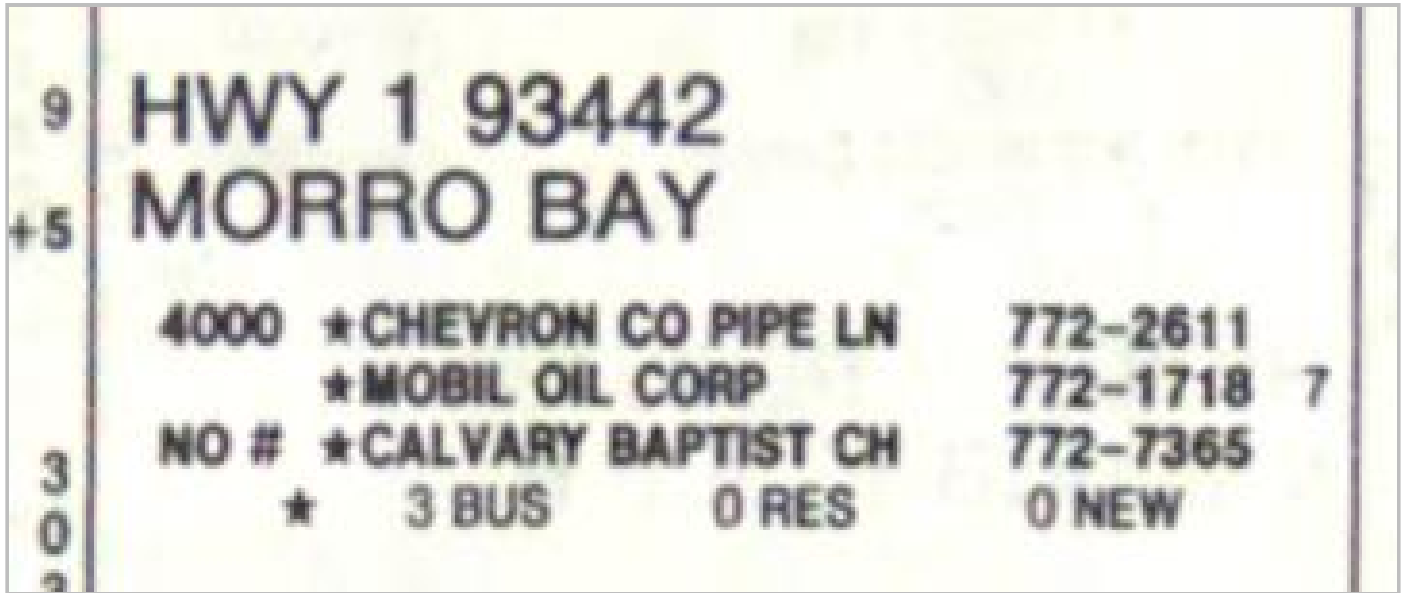
295 Atascadero Road ✓
CASE NO. CUP19-13 / CDP19-039 / LTM19-06
DATE: December 2019

Haines Criss-Cross Directory

ATASCADERO RD 1995

ATASCADERO RD 93442 MORRO BAY		
WEALTH CODE 4.6		
104	XXXX	00
158	XXXX	00
160	XXXX	00
161	XXXX	00
180	*CITY OF MORROW BAY	772-5514 3
	*WIXOM CONCRETE INC	772-2777
220	*FLIPPIS SRFSK SKTE	772-7851 6
	MADRID Ricardo	772-1002 4
	PUETT Clifton	772-7207 1
	PUETT Donald L	772-3602 1
	*SKATE HARBORFLPPS	772-7851 0
225	XXXX	00
235	*MORRO BAY CTY REC	772-7128 4
	*SANLUIS SC MRRO BAY	772-7351 4
	*SANLUIS SC MRRO BAY	772-7333 7
290	XXXX	00
298	*MOTEL 6 MORRO BAY	772-5641 7
396	*SUNSET LIQUOR	772-7133 1
440	*MORRO GARDENS MOTEL	772-2817
490	ESTERO BAY RV PARK	
	*ESTERO BAY RV PARK	772-1676
	FLEMING F	772-2614
	HAMMONS Don	772-8335 8
	HOLMES Geo	772-3952 6
	JENKINS Jim	772-5241
	JENKINS Louise	772-5241
	KRAFT Stan	772-1613 8
	MAIN Sally A	772-2352
490	BUOY&GULL TRLR PK	
495	*BUOY&GULL TRLR TERR	772-8090
	CARNEY Robert	772-9199 4
	CHRISTIE Wm W	772-5236
	CLIFFORD Robert	772-9045 6
	CONNOR Ross	772-5527
	GILBERT P J	772-8698
	*GRIGGS Daryl	772-8090
	HAGOPIAN Nubar	772-5141
	JONES Robert L	772-3511 3
	KITCHEN John E	772-1455
	LINGER Norma	772-9530
	LINGER Robt	772-9530
	WILLIAMS Edward G	772-4682 9
	WREN Sam	772-8920
495	SILVER CITY MBL MNR	
500	BAILEY Alden	772-5375 6
	BARLETT Don	772-3351 4
	BLOSS William	772-6082 1
	BRADY Billy	772-2613 7
	*CHEMDRY CRPT CLNG	461-1744 4
	CLARK Hugh Jr	772-3875
	CRAIN Donald F	772-4972
	CREEGAN C E	772-3188
	DUNCAN Steve T	772-0234 3
	EZELL Emile	772-8070 2
	GRIFFITH F M	772-6119 +5
	HALL Dale L	772-9195 6
	HARDING Harry	772-2480 3
	HENRY Richard W	772-5152
	HEYART George L	772-2460 +5
	HOCKETT J J	772-3122
	HOPE Anthony C	772-7453
	HORTON Chad	772-9484
	HUNT Marlon	772-1722 2
	*JENNINGS Jack J	772-7478
	JOHNSON Albert D	772-1161
	KENOYER Jack	772-1328 3
	LEONARD Eddie	772-7066
	MOLLOY John	772-4609 2
	MOORE Harold	772-2151
	PATTISON John T	772-8106 +5
	PESANTE Ray	772-3482 3
	PETTER D S	772-1396
	PETTER R H	772-1396
	PING Billie	772-3857
	PING Wallace	772-3857
	RINGSORF A E	772-8563
	ROGERS Joe	772-8963 4
	ROGERS Mary	772-8963
	ROSS A	772-2935 9
	SCHOENAUER John W	772-8317
	*SILVER CITY MBL MNR	772-7478 6
	SIMEONE Rudy	772-3353 9
	SIMPSON George	772-7661 4
	SIMPSON Shirley	772-7661
	SLAYTON Thomas	772-5099 2
	STARK Paul	772-1964 9
	THOMAS Wm J	772-8386
	TRESLER Darrell M	772-9469 +5
	VESELLS Paul	772-1737 6
500	*HAYWARD LUMBER	772-5691

HWY 1 1995



ATASCADERO RD 1990

ATASCADERO RD 93442 MORRO BAY

104	XXXX	00	
158	XXXX	00	
160	★MORRO BAY CTY SEWGE	772-1214	2
161	XXXX	00	
180	★WIXOM CONCRETE INC	772-2777	5
220	★FLIPPOS SURFSIDE SK	772-7851	6
	PUETT Donald L	772-3602	5
	★SKATE HRBR FLIPPOS	772-7851	+0
225	WERST Jeff	772-2173	9
235	★MORRO BAY CTY REC	772-7128	9
	★MORRO BAY SENIOR HS	772-7351	8
	★SANLUIS SC MORRO	772-3151	7
	★SANLUIS SC MORRO	772-7333	7

S & CO INC INFORMATION ON THIS PAGE MAY

ATASCADERO RD 1990

ATASCADERO RD	93442 CONT.	
*SANLUIS SC MORRO	772-7351	7
290 *SHORELINE EXXON	772-3609	8
298 *MOTEL 6	772-5641	7
396 *BALLARDS BOTTLERY	772-7133	
440 *MORRO GARDENS MOTEL	772-2817	
490..... ESTERO BAY RV PARK		
DUNCAN Wesley M	772-5333	5
*ESTERO BAY RV PARK	772-1676	1
FLEMING F	772-2834	4
HAMMONS Don	772-3952	8
HOLMES Geo	772-1613	8
KRAFT Stan	772-2352	4
MAIN Sally	772-5417	9
MASTERS Bill	772-8244	8
MORGAN T	772-3537	7
PRICE George	772-9444	9
PURSER George F		
490..... TRLR PK		
495..... BUOY&GULL TRLR TER	772-8090	
*BUOY&GULL TRLR TER	772-5236	5
CHIFFORD Robt	772-9045	6
CONNOR Ross	772-5527	3
GILBERT P J	772-8698	
GRIGGS Daryl	772-8090	
HAGOPIAN Nubar	772-5141	5
KITCHEN John E	772-1455	5
LINGER Norma	772-9530	
LINGER Robt	772-9530	
TRANHAM Leo	772-8821	9
WILLIAMS Edward G	772-4682	9
WREN Sam	772-8920	4
495.....		
500..... SILVER CITY MBL MNR		
AUSTIN Dianne L	772-5274	+0
BAILEY Alden	772-5375	6
BRADY Billy	772-2613	7
BROWN Harpie	772-5058	8
BROWN Larry	772-3648	+0
BROWN Linda	772-3648	+0
CASON Earnest	772-1163	9
CAUDLE Helen	772-0150	+0
*CHEM DRY CRPT CLNG	461-1744	8
CLARK Hugh Jr	772-3875	
CRAIN Donald F	772-4972	
CREEGAN C E	772-3188	
DELIDDO Pat	772-1877	9
DUNN Ferd	772-4064	
HALL Dale L	772-9195	6
HENRY Richard W	772-5152	5
HOCKETT J J	772-3122	
HOPE Anthony C	772-7453	
HORTON Chad	772-9484	
JENNINGS Jack J	772-7478	
JENNINGS Vervyle G	772-8531	
JOHNSON Albert D	772-1161	
LAMB Kenneth H	772-8826	6
LEONARD Eddie	772-7066	
MOORE Harold	772-2151	
MULFORD E M	772-1925	3
PETTER D S	772-1396	
PETTER R H	772-1396	
PING Billie	772-3857	
PING Wallace	772-3857	
RINGS DORF Alice	772-8563	
ROHRS Fred W	772-3282	
ROHRS Honor	772-3282	
ROSS A	772-2935	9
SCHOENAUER John W	772-8317	
SHEPHERD C J	772-4212	8
*SILVER CITY MBL MNR	772-7478	6
SIMEONE Rudy	772-3353	9
SLOAN Gladys	772-7534	
SLOAN Haskel	772-7534	
SLOAN Jos T	772-3155	4
STARK Paul	772-1964	9
TABOR Ruth	772-3705	7
THOMAS Kay	772-7366	
THOMAS Wm J	772-8136	
URIBE Oscar	772-0113	+0
URIBE Thelma	772-0113	+0
VESSELLS Paul	772-1737	6
WYCOFF R O	772-8070	
500.....		
500.....	772-5691	

HWY 1 1990

6	HWY 1 93442			
0	MORRO BAY			
9				
1	4000	★CHEVRON COMPANIES	772-2611	4
8		★MOBIL OIL CORP WST	772-1718	7
	NO #	★CALVARY BAPTIST CH	772-7365	5
0	★	3 BUS	0 RES	0 NEW
3				

ATASCADERO RD 1984

**ATASCADERO RD 93442
MORRO BAY**

104	XXXX	00	
160	MORRO BAY CTY SEWGE	772-1214	2
180	PIONEER TRANSIT MIX	772-2777	9
220	FLIPPO SURFSDE SKTE	772-7851	+4

295 Atascadero Road ✓
CASE NO. CUP19-13 / CDP19-039 / LTM19-06
DATE: December 2019

Haines Criss-Cross Directory

ATASCADERO RD 1984

ATASCADERO RD	93442 CONT.
225 XXXX	00
235 MORRO BAY SR HI SC	772-7351 7
SANLUIS SC MORRO BY	772-7351 3
290 LES EXXON	772-3609
298 MOTEL 6	772-8881 7
396 BALLARDS BOTTLERY	772-7133
440 MORRO GARDENS MOTEL	772-2817
490..... APARTMENTS	
ARNOLD JOHNIE D	772-2808 +4
CARLILE IRENE M	772-9215 1
CORELL BURTON M	772-1676 1
EMANS J L	772-2352 2
ESTERO BAY RV PARK	772-1676 1
FLEMING F	772-2614 +4
MAIN SALLY	772-2352 +4
RENWICK ROBT D	772-8546 +4
RICHARDSON RANDY	772-3850 +4
TOGNAZZINI MARK	772-1560 3
490.....	
495..... BUOY&GULL TRLR PK	
ABBOTT GARY D	772-2096 3
ALTIMUS NELLIE	772-9392
BARTHOLOMEW JESSLYN	772-4853 1
BLICK M L	772-7710 6
BUOY&GULL TRLR TER	772-8090
CLARK IRA J	772-2124
CONNOR ROSS	772-5527 3
DUPRE E H	772-8755 8
GILBERT P J	772-8698 8
GRIGGS DARYL	772-8090
SWANSON L	773-7677 1
WAYNE JOHN W	772-3326
WREN SAM	772-8920 +4
495.....	
500..... SILVER CITY MBL MNR	
ALVEY FRANCES	772-1038 3
ARGENTINE SAMUEL	772-9260 3
BLYTHE ELLEN	772-9464 8
BRANT JESS	772-4960 8
CHEEVER H E	772-2275
CHESTERSON DOROTHEA	772-4201 +4
CLARK HUGH JR	772-3875 5
CRAIN DONALD F	772-4972 9
CREEGAN C E	772-3188
DUNN FERD	772-4064 7
GALLUP EDSON R	772-2559
GEHLICH F	772-8285 5
GOULDSBROUGH JAS B	772-4045 9
HANNEMAN JACK	772-3012
HILL WAYNE	772-4016 8
HOCKETT J J	772-3122 9
HOPE ANTHONY C	772-7453 0
HORNBY L C	772-1666 3
HORTON CHAD	772-9484
JENNINGS JACK J	772-7478
JENNINGS VERYLE G	772-8531
JOHNSON ALBERT D	772-1161 0
LANG GERALD	772-3219 9
LARSON J	772-1677 2
LEONARD EDDIE	772-7066
MARTIN NIVA	772-1038 3
MCKNIGHT RAY R	772-9538
MOORE HAROLD	772-2151
MORALES RICHARD	772-4205 +4
MULFORD E M	772-1925 3
NOBLE MICHAEL LEE	772-1332 2
PETTER R H	772-1396 3
PING WALLACE	772-3857 8
PRESLEY MYRTLE	772-1081 +4
RENNIE WM	772-5366 3
RIEL LYLE R	772-9775 1
RINGSORF ALICE	772-8563
ROHRS FRED W	772-3282 6
ROMINES GENE	772-2818
SANDERS JOHN E	772-1901 3
SCHOENAUER JOHN W	772-8317 0
SHAFTER CONCRETE PP	772-8863 6
SILVER CTY MBL HM	772-7478
SLOAN JOS T	772-3155 +4
SMITH WARNER	772-9519
STEPHENS HOWARD A	772-1580 0
THIELBAR ROBT	772-3876
THOMAS KAY	772-7356
THOMAS WM J	772-8386 6
TUCKER FRANK L	772-9195
WEAVER WALTER H	772-7776
WINTER LAOMA W	772-2645 +4
WOODS JEWEL	772-9774 2
WYCOFF R O	772-8070 6
500.....	

HWY 1 1984

HWY 1 93442 MORRO BAY			
7	4000	CHEVRON COMPANIES	772-2611 +4
+4	NO #	AINSLEY M	772-7859 2
6	NO #	AITKEN LILLIAN	772-1775 3
1	NO #	ATLEE M A	772-4510 +4
1	NO #	BAKER MILDRED	772-8028 3
	NO #	BARNEBERG I	772-8509
6	NO #	BOUR MILLIE	772-8234 3
	NO #	BOWEN K V	772-9445 2
3	NO #	BROWN E M	772-1765 3
6	NO #	BYRON FLORA MAE	772-2130 +4
6	NO #	CALVARY BAPTIST CH	772-7987
1	NO #	COLLIGAN BERTHA	772-3360 2
1	NO #	COOK S L	772-8504 +4
2	NO #	COUGHLIN CATHERINE	772-1052 +4
3	NO #	CURTIS JOY H	772-4872 2
3	NO #	ENGELBRECHT G	772-4665 +4
1	NO #	FERGUSON ALBERT E	772-3732 2
	NO #	FLEMING CORINNE	772-5534 +4
	NO #	FULLERTON FRANCES C	772-8792 2
	NO #	GALBRAITH H G	772-7715 2
	NO #	GARDNER LAURA	772-2387 8
	NO #	GURA A M	772-4113 +4
3	NO #	HATCHER M A	772-3025 3
	NO #	HUNTINGTON OF MORRO	772-7372
	NO #	HUNTINGTON TERRACE	772-7372 2
	NO #	JACKSON LAURA M	772-8238 +4
	NO #	JOHNSON BERNICE	772-5588 3
	NO #	JOHNSON IRENE	772-9288
	NO #	JOHNSON MAY H MRS	772-7026 3
	NO #	KALOUS HAROLD	772-8723 +4
8	NO #	KEEFER FLORENCE B	772-1143 2
	NO #	KELSEY EMMA	772-1987 3
	NO #	KEM LOUISE A	772-1102 2
6	NO #	KING H M	772-4613 +4
	NO #	LINNERT L R	772-1077 +4
3	NO #	LONG H E	772-7449 +4
	NO #	MANKINS SALLIE	772-4587 6
	NO #	MARSTON R M	772-4876 +4
6	NO #	MCGOVERN A H	772-5131 +4
	NO #	MITCHELL DOROTHY	772-2816 +4
	NO #	MORRO BAY CONVLS CNT	772-2237
+4	NO #	MUELLER MARTIN	772-4609 +4
2	NO #	ODUN DESSIE	772-9303 +4
	NO #	OLSEN ALICE V	772-5373 3
	NO #	ONEILL WM	772-9314 +4
	NO #	PETERSON ARTHUR	772-7860 +4
9	NO #	PITTMAN ZADA	772-7936 +4
8	NO #	POWELL ALICE C	772-7657 +4
	NO #	POWELL DWIGHT MRS	772-1647 0
2	NO #	POWELSON MABEL	772-9005 0
	NO #	RIDER CARMEN	772-3563 9
	NO #	RODMAN M M	772-3787 2
0	NO #	RYAN DONALD E	772-8800 +4
	NO #	RYBURN NINA M	772-8739 +4
8	NO #	SEELY J SAYER MRS	772-2261 1
	NO #	SHEEHAN ETTIE P	772-5106 3
	NO #	SPRATLEN M W	772-4542 2
	NO #	STEPPLER MAUD	772-3233 2
+4	NO #	STOVER HARRIET W	772-8652 2
5	NO #	STRINE B	772-5375 3
	NO #	SULICK MARY	772-2649 +4
	NO #	VERT F M	772-3111 +4
	NO #	WEISENBERGER LEO M	772-7033 +4
	NO #	WRIGHT B E	772-7019 3
9	NO #	ZANDER ELSIE G	772-1353 3
1	★ 5 BUS 60 RES 27 NEW		

ATASCADERO RD 1980

0	0	0	ATASCADERO RD 93442	
			MORRO BAY	
4			160★ CTY MB SEWER TRTMNT	772-2523
			180★ PIONEER TRANSIT MIX	772-2777 9
			220 CARNELL FRANK	772-4912+0
8			SKATE HARBOR	772-7851 7
			★ SURFSIDE SKATE HRBR	772-7851
			225 XXXX	00
0			235★ FISHER ROBERT G CO	772-1294+0
			★ FISHER ROBERT G INC	772-9023+0
			★ MORRO BAY JR&SR HI	772-7351 7
7			★ SC MORRO BAY JR&SR	772-7351 9
9			290★ LES EXXON	772-3609 4
			298★ MOTEL 6	772-8881 7
0			396★ BALLARDS BOTTLERY	772-7133
8			440★ MORRO GARDENS MOTEL	772-2817
			490 LITTLE ROBERT	772-8480 7
6			MCCOWN BARBARA	772-4011+0
			TOGNAZZINI MARK M	772-1560+0
4			495.....BUOY&GULL TRLR PK	
8			ALTIMUS NELLIE	772-9392
			BLICK M	772-7710 6
			★ BUOY&GULL TRLR TER	772-8090
4			CLARK IRA J	772-2124 4
			DUPRE E H	772-8755 8
6			GILBERT P J	772-8698 8
6			GRIGGS J B	772-8090
			SMITH RALPH E	772-9175
0			SWANSON L	772-7677 6
			TEAGUE KENNETH H	772-2856
			WAYNE JOHN W	772-3326 4
0			495.....	
			500.....SILVER CITY MBL MNR	
9			BALL LARRY	772-7148+0
7			BLYTHE ELLEN	772-9464 8
0			BRANT JESS	772-4960 8
			BROWN PAUL J	772-9478
			BUTTRAM THOMAS	772-4687 8
9			CAMPBELL FRED J	772-2321 4
0			CHEEVER H E	772-2275
0			CLARK HUGH JR	772-3875 5
8			CRAIN DONALD F	772-4972 9
0			CREEGAN C E	772-3188 4
9			CUMMINGS JOHN	772-9325 9
0			DUNN FERD	772-4064 7
9			FORSBERG DAVID	772-9139 9
7			FORT MIKE	772-9483 9
0			GALLUP EDSON R	772-2559
			GEHLICH F	772-8285 5
9			GERETY MARY R	772-9429
7			GERETY PAUL P	772-9429
			GOULDSROUGH JAMES	772-4045 9
0			GRENZ RICK	772-4525+0
5			HAAGENSON CHAS	772-2643 6
0			HANNEMAN JACK	772-3012
0			HILL WAYNE	772-4016 8
7			HOCKETT J J	772-3122 9
0			HOPE ANTHONY C	772-7453+0
			HORNER SYDNEY J	772-1461+0
			HORTON CHAD	772-9484
			JENNINGS JACK J	772-7478
6			JENNINGS VERYLE G	772-8531

ATASCADERO RD 1980

ATASCADERO RD	93442 CONT
JOHNSON ALBERT D	772-1161+0
JONES STEVE	772-4087 9
KELLER GARRY	772-2073 9
KOZEL GENEVIEVE	772-8198
LANG GERALD	772-3219 9
LEONARD EDDIE	772-7066
MACOM ALFRED	772-9357 6
MASSEY L H	772-9282
MCGINLEY THOMAS	772-9551+0
MCKINNON MATTHEW	772-4525+0
MCKNIGHT RAY R	772-9538
MCPHERSON ROBERT	772-7148+0
MCQUARRIE D	772-8971+0
MOORE HAROLD	772-2151
MORGAN D H	772-8998 9
NAY GLENN O	772-9345
NICOLEN DALE	772-7092
NICOLEN MARGARET	772-7092
PERRYMAN DONALD R	772-8516 8
PING WALLACE	772-3857 8
RICHARDSON TED	772-7932
RINGS DORF ALICE-MRS	772-8563
ROHRS FRED W	772-3282 6
ROMINES GENE	772-2818
SCHOENAUER JOHN W	772-8317+0
SENCLAIR WALTER E	772-4213 9
★ SHAFTER CNCRT PIPE	772-8863 6
★ SHAFTER CONCRT PIPE	772-9297
★ SILVER CITY MBL MNR	772-7478
SMITH GEO L	772-2359
SMITH WARNER	772-9519
STEPHENS HOWARD A	772-1580+0
THIELBAR ROBT	772-3876 4
THOMAS KAY	772-7356
THOMAS WM J	772-8386 6
THOMPSON LOIS	772-7970
TUCKER FRANK L	772-9195
WEAVER WALTER H	772-7776
WYCOFF R O	772-8070 6

500

ATASCADERO RD 1975

ATASCADERO RD 93442 MORRO BAY		
160*MORRO BAY SWR TRMT	772-2523	
180*BICKFORD CONCRETE	772-2777	
220*DICKERSON L G	772-7851	
*SKATE MOR	772-7851	
225 DILLARD THOS	772-8565	
235*MORRO BY JR&SR HIGH	772-7351	
*SAN LUIS MRRO BY SC	772-7351	
280*MOTEL 6	772-8881	
290*LES EXXON	772-3609 4	
396*BALLARDS BOTTLERY	772-7133	4671
440*MORRO GARDENS MOTEL	772-2817	4677
490 JORDAN D D	772-2324+5	4678
LIPKING LOUIS	772-3153	4685
LITTLE MABLE F	772-8480	4686
SMITH E A	772-2324+5	4687
495...BUOY&GULL TRLR TER		4689
ALTIMUS NELLIE	772-9392	4691
BARTHOLOMEW HARRY	772-2964	4693
BLICK MELVA	772-7710	4694
*BUOY&GULL TRLR TER	772-8090	4695
CLARK IRA J	772-2124 4	4696
GRIGGS J B	772-8090	4697
MASSEY BLANCHE	772-3149	4697
ROWE WM C	772-7766	
SMITH RALPH E	772-9175	
SWANSON LOUISE MRS	772-7677	
TEAGUE KENNETH H	772-2856	
WAYNE JOHN W	772-3326 4	
495.....		
500...SILVER CTY 500 APTS		21
AUSTIN ARTHUR A	772-9225	21
BROWN PAUL J	772-9478	21
BUTTRAM THOS	772-9389	
BYNUM JOEL	772-2564 4	
CAMPBELL FRED J	772-2321 4	
CAMPBELL JAS	772-7486	
CHEEVER H E	772-2275	
CLAIRE FRANK	772-3245 4	
CLARK HUGH JR	772-3875+5	
COLE GLENN C	772-7425	
CREEGAN C E	772-3188 4	
DUHAMEL GEO A	772-7591+5	
FINKBEINER ALBERT	772-9551	
FULLER RALPH D	772-8625	
GALLUP EDSON R	772-2559	
GEHLICH F	772-8285+55	
GERETY MARY R	772-9429 9	2
GERETY PAUL P	772-9429 9	2
HAAGENSEN CHAS	772-2643 55	2
HANNEMAN JACK	772-3012	2
HORTON CHAD	772-9448 4	2
HOWARD EDW W 3D	772-2741 4	2
JENNINGS JACK J	772-7478	2
JENNINGS VERYLE G	772-8531	2
KOZEL GENEVIEVE	772-8198	2
LEONARD EDDIE	772-7066	2
LEWIS LISTON	772-7091+5	2
MALDEN HOWARD S	772-9435	2
MASSEY L L H	772-9282	2
MCKNIGHT RAY R	772-9538	2
MIDGLEY ARTHUR E	772-8470	2
MOORE HAROLD	772-2151	
MYERS GEORGIA E	772-9335	
NAY GLENN O	772-9345	
NICKSON GEO	772-7805	
NICOLEN DALE	772-7092	
NICOLEN MARGARET	772-7092	
OGLE CY	772-8863 4	
OWENS A L	772-3635 4	
PAULS STEPHEN G	772-8604+5	
PETER E C	772-2920	
RICHARDSON TED	772-7932	
RINGSDOFF ALICE MRS	772-8563	
RODGERS FRANK	772-2408	
ROMINES GENE	772-2818	
*SHAFTER CONCRT PIPE	772-9297	
SHULTZ OLIVER	772-9322	
*SILVER CITY MBL MNR	772-7478	
SMITH GEO L	772-2359	
SMITH WARNER	772-9519	
STEINMAN MARVIN	772-7585+5	
THIELBAR ROBT	772-3876 4	
THOMAS KAY	772-7356	
THOMPSON LOIS	772-7970	
TUCKER FRANK L	772-9195	

ATASCADERO RD 1975

..ATASCADERO RD	93442 CONT..
WALTERS VICKIE	772-3925+5
WALTERS W F	772-7524
WEAVER WALTER H	772-7776
WYCOFF J A	772-8070 4
500.....	

APPENDIX B

INTERVIEW AND RESEARCH DOCUMENTATION

User Questionnaire – 233 Atascadero Road, Morro Bay, CA
Haro Environmental, Inc. Project # 4401-2017

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 provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

The following was filled out by **PRADEEP PATEL** who we understand is considering purchasing the subject site.

1. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? (40 CFR 312.25)

Please checkmark the most appropriate response:

- ☒ I have not reviewed the records and *do not know* if there are any filed or recorded environmental liens.
- ☐ I have reviewed the records, and *No, there aren't any* filed or recorded environmental liens.
- ☐ I have reviewed the records, and *Yes, there are* environmental liens. Explain:

2. Are you aware of any activity and land use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls, that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? (40 CFR 312.26)

Please checkmark the most appropriate response:

- ☐ I have not reviewed the records and *do not know* if there are any filed/recorded AULs or any AULs in place at the site.
- ☒ I have reviewed the records, and *No, there aren't any* filed/recorded AULs or any AULs in place at the site.
- ☐ I have reviewed the records, and *Yes, there are* AULs filed, recorded, and/or in place at the site. Explain:

HARO ENVIRONMENTAL, INC.

User Questionnaire – 233 Atascadero Road, Morro Bay, CA
Haro Environmental, Inc. Project # 4401-2017

3. Does the Title Report provide any information pertaining to environmental cleanup liens or activity and use limitations (AULs) for the subject property?

Please checkmark the most appropriate response:

- ☒ I have not reviewed the Title Report and *do not know* if it provides environmental cleanup liens or AULs information.
- ☐ I have reviewed the Title Report, and *No, it does not* provide environmental cleanup liens or AULs information.
- ☐ I have reviewed the Title Report, and *Yes, it does provide* environmental cleanup liens or AULs information. Explain:

4. As the user of this ESA, 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? (40 CFR 312.28)

Please checkmark the most appropriate response:

- ☒ *No*, I do not have any specialized knowledge and/or experience related to the property or nearby properties.
- ☐ *Yes*, I do have specialized knowledge and/or experience related to the property or nearby properties. Explain:

HARO ENVIRONMENTAL, INC.

User Questionnaire – 233 Atascadero Road, Morro Bay, CA
Haro Environmental, Inc. Project # 4401-2017

- 5. As the user of this ESA, based on your knowledge and experience related to the property, are you aware of any information pertaining to a reduction in value for the subject property relative to any known environmental issues?**

Please checkmark the most appropriate response:

- ☒ *No*, I *do not* have any information about a reduction in property value relative to environmental issues.
- ☐ *Yes*, I *do* have information about a reduction in property value relative to environmental issues. Explain:

- 6. 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? (40 CFR 312.30)**

- a. What are the past uses of the property?

- ☐ I *do not* know.
- ☒ I *do* know. Explain: *Was a road before*

- b. What (if any) specific chemicals are present, or once were present, at the property?

- ☒ I *do not* know.
- ☐ I *do* know. Explain:

- c. What (if any) spills or other chemical releases have taken place at the property?

- ☐ I *do not* know.
- ☒ I *do* know. Explain: *Nearby shell station but to this NO bearing reports states everything*

- d. What (if any) environmental cleanups have taken place at the property?

- ☒ I *do not* know.
- ☐ I *do* know. Explain: *is fine*

HARO ENVIRONMENTAL, INC.

User Questionnaire – 233 Atascadero Road, Morro Bay, CA
Haro Environmental, Inc. Project # 4401-2017

7. The purpose of this Phase I ESA is . . . (checkmark all that apply)

- ☒ to assess the environmental conditions of a property, taking into account commonly and reasonably ascertainable information.
- ☒ to identify the possible presence of recognized environmental conditions associated with possible soil and groundwater contamination at the site.
- ☒ to understand potential environmental conditions that could materially impact the operation of business associated with the parcel.
- ☒ to identify the possible presence of recognized environmental conditions that could materially impact the operation of the business associated with the parcel of commercial real estate.

8. As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination or hazardous materials handling at the property or adjoining properties? (40 CFR 312.31)

Please checkmark the most appropriate response:

- ☒ *No, I do not know and/or do not have any experience with* any obvious indicators that point to the presence or likely presence of contamination at the property or adjoining properties.
- ☐ *Yes, I do know of and/or do have experience with* obvious indicators that point to the presence or likely presence of contamination at the property or adjoining properties. Explain:

HARO ENVIRONMENTAL, INC.

User Questionnaire – 233 Atascadero Road, Morro Bay, CA
Haro Environmental, Inc. Project # 4401-2017

This questionnaire was completed by (please print):

Name	PRADEEP PATEL
Title	BUYER
Firm	
Street Address	2759 CORAL AVE
City, State, Zip Code	MORRO BAY CA 93442
Phone Number	805 748 2962
email	deeeep19@yahoo.com
What is the preparer's relationship to the property (i.e., seller, buyer, occupant, property manager, employee, agent, consultant, etc.)?	BUYER

The preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct, and to the best of the preparer's knowledge, no material facts have been suppressed or misstated.

Signature

Date

17/13/17

Please fax this form to **Haro Environmental (fax 805.832.6081)**, email a copy to info@haroenv.com, or mail a copy to the following address.

Haro Environmental, Inc.
872 Higuera Street
San Luis Obispo, California 93401
Attention: Elliot Haro
Phone: (805) 204-4483

HARO ENVIRONMENTAL, INC.

Amended 11-15-17



First American Title

First American Title Company

**601 Morro Bay Blvd, Suite A
Morro Bay, CA 93442**

Escrow Officer:

Phone:

Fax No.:

E-Mail:

Dan Cowan

(805)772-2773

(866)774-7505

dcowan@firstam.com

Title Officer:

Phone:

Fax No.:

E-Mail:

Marie Christine Allen

(805)786-2025

(866)397-7092

mcallen@firstam.com

E-Mail Loan Documents to:

MorroBayEdocs.ca@firstam.com

Buyer:

Property:

Patel

233 Atascadero Road
Morro Bay, CA 93442

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. *The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.* Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated as of October 24, 2017 at 7:30 A.M.

The form of Policy of title insurance contemplated by this report is:

ALTA Standard Owner Policy

A specific request should be made if another form or additional coverage is desired.

Title to said estate or interest at the date hereof is vested in:

Charles P. Ogle, Successor Trustee of the Highway 1 Property Trust, dated December 28, 2012,
Subject to Item No. 20

The estate or interest in the land hereinafter described or referred to covered by this Report is:

Fee simple.

The Land referred to herein is described as follows:

(See attached Legal Description)

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

1. General and special taxes and assessments for the fiscal year 2017-2018.

First Installment:	\$1,057.30, DUE
Penalty:	\$0.00
Second Installment:	\$1,057.30, DUE
Penalty:	\$0.00
Tax Rate Area:	006-002
A. P. No.:	065-182-003

2. General and special taxes and assessments for the fiscal year 2017-2018.

First Installment:	\$925.74, DUE
Penalty:	\$0.00
Second Installment:	\$925.74, DUE
Penalty:	\$0.00
Tax Rate Area:	006-002
A. P. No.:	065-182-004

3. General and special taxes and assessments for the fiscal year 2017-2018.

First Installment:	\$833.95, DUE
Penalty:	\$0.00
Second Installment:	\$833.95, DUE
Penalty:	\$0.00
Tax Rate Area:	006-002
A. P. No.:	066-332-003

4. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

5. Covenants, conditions, restrictions and easements in the document recorded June 6, 1918 in Book 122 of Deeds, Page 145, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.

6. Covenants, conditions, restrictions and easements in the document recorded June 12, 1920 in Book 133 of Deeds, Page 153, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.

7. Covenants, conditions, restrictions and easements in the document recorded June 9, 1922 in Book 133 of Deeds, Page 397, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.

8. Covenants, conditions, restrictions and easements in the document recorded May 26, 1918 in Book 123 of Deeds, Page 10, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state

and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.

9. Covenants, conditions, restrictions and easements in the document recorded September 29, 1920 in Book 133 of Deeds, Page 181, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.
10. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded October 22, 1958 as Book 963, Page 318 of Official Records.
11. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded April 16, 1959 as Book 994, Page 201 of Official Records.
12. An easement for water lines and incidental purposes, recorded November 9, 1961 as Book 1154, Page 320 of Official Records.
In Favor of: County of San Luis Obispo
Affects: Parcel 3 and 4
13. Abutter's rights of ingress and egress to or from Highway 1 have been relinquished in the document recorded November 30, 1961 as Book 1156, Page 145 of Official Records.
14. Abutter's rights of ingress and egress to or from Highway 1 have been relinquished in the document recorded October 4, 1965 as Book 1369, Page 208 of Official Records.
15. An easement for water lines, public utilities and incidental purposes, recorded January 10, 1989 as Instrument No. 1989-1501 of Official Records.
In Favor of: City of Morro Bay
Affects: portions
16. Any facts, rights, interests or claims that may exist or arise by reason of matters, if any, disclosed by that certain Record of Survey filed December 24, 1992 in book Book 69, page Page 3 .
17. An easement for public use, bicycle path and incidental purposes, recorded August 20, 2001 as Instrument No. 2001-062660 of Official Records.
In Favor of: City of Morro Bay
Affects: portions
18. Water rights, claims or title to water, whether or not shown by the public records.
19. Rights of parties in possession.

20. With respect to the trust referred to in the vesting:
- a. A certification pursuant to Section 18100.5 of the California Probate Code in a form satisfactory to the Company.
 - b. Copies of those excerpts from the original trust documents and amendments thereto which designate the trustee and confer upon the trustee the power to act in the pending transaction.
 - c. Other requirements which the Company may impose following its review of the material required herein and other information which the Company may require.

INFORMATIONAL NOTES

Note: The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than the certain dollar amount set forth in any applicable arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. If you desire to review the terms of the policy, including any arbitration clause that may be included, contact the office that issued this Commitment or Report to obtain a sample of the policy jacket for the policy that is to be issued in connection with your transaction.

21. This report is preparatory to the issuance of an ALTA Loan Policy. We have no knowledge of any fact which would preclude the issuance of the policy with CLTA endorsement forms 100 and 116 and if applicable, 115 and 116.2 attached, provided a valid notice of completion is recorded in the public records.

When issued, the CLTA endorsement form 116 or 116.2, if applicable will reference a(n) Vacant Land known as Atascadero Road, Morro Bay, California.

22. According to the public records, there has been no conveyance of the land within a period of twenty-four months prior to the date of this report, except as follows:

None

The map attached, if any, may or may not be a survey of the land depicted hereon. First American expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

LEGAL DESCRIPTION

Real property in the City of Morro Bay, County of San Luis Obispo, State of California, described as follows:

Real property, City of Morro Bay, County of San Luis Obispo, State of California more particularly described as:

That portion of lots 9, 10, 11, 12 and 13 in Block 24 and Lots 15, 16 and 17 in Block 27 of Atascadero Beach, according to the Map thereof recorded in Book 2 at Page 15 of Maps, in the office of the County Recorder of San Luis Obispo County, described as follows:

Beginning at a point on the Westerly line of Lot 9 in Block 24, which point bears the following courses and distances from the Northeast corner of said Lot 9 (North 76° 37' 30" East to a point on the East line of said Lot 9, which point bears South 17° 11' East 93.58 feet from the Northeast corner of said Lot 9.) Thence North 76° 37' 30" East through Lots 9 and 10 in Block 24 to a point on the East line of said Lot 10, said point also being the Northwest corner of Lot 11 in Block 24, thence Easterly along the Northerly line of said Lot 11, a distance of 35.04 feet, thence South 08° 26' 06" East, on a line running through Lots 11, 12 and 13 in Block 24, a distance of 218.56 feet, to a point on the Westerly line of Lot 13, said point being 79.37 feet Southerly of the Northwesterly corner of Lot 13 (said point is also on the Easterly line of lot 10) thence Southeasterly along the Easterly line of said Lot 10, to the Southeast corner of said Lot 10 in Block 24 (said point is also being on the Northerly line of Lot 17 in Block 27), thence South 08° 26' 06" East a distance of 40.18 feet, thence South 37° 38' 51" West a distance of 55.05 feet, thence North 79° 50' 59" West a distance of 144.25 feet, thence North 65° 45' 55" West, a distance of 24.33 feet to a point on the Westerly line of Lot 15 in Block 27, thence Northerly along the Westerly line of said Lot 15, a distance of 56.61 feet more or less to the Northwest corner of Lot 15 in Block 27, thence Southeasterly along the Northerly line of Lot 15 in Block 27 (said line also being the Southerly line of Lot 8 in Block 24) to its intersection with the Southwest corner of Lot 9, Block 24, thence Northwesterly along the Westerly line of said Lot 9 in Block 24, a distance of 368.33 feet more or less to the Point of Beginning, (Said land is also shown on that certain Record of Survey recorded December 24, 1992, Book 69 at Page 3 of Record of Surveys.)

APN: 065-182-003 and 065-182-004 and 066-332-003



NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)

CLTA STANDARD COVERAGE POLICY – 1990
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
(b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;

- d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.
- This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
- 2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
 - 3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
 - 4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - c. that result in no loss to You; or
 - d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
 - 5. Failure to pay value for Your Title.
 - 6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.
- This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
- 7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
 - 8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
 - 9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:
For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.
The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	<u>Your Deductible Amount</u>	<u>Our Maximum Dollar Limit of Liability</u>
Covered Risk 16:	1% of Policy Amount Shown in Schedule A or \$2,500 (whichever is less)	\$10,000
Covered Risk 18:	1% of Policy Amount Shown in Schedule A or \$5,000 (whichever is less)	\$25,000
Covered Risk 19:	1% of Policy Amount Shown in Schedule A or \$5,000 (whichever is less)	\$25,000
Covered Risk 21:	1% of Policy Amount Shown in Schedule A or \$2,500 (whichever is less)	\$5,000

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
- or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
 - 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
 - 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;

- (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
 6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

[Except as provided in Schedule B - Part II, [t[or T]his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

[PART I

[The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:]

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.

- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;

- (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 or 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
- (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of: [The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

- 1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
- 6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
- 7. [Variable exceptions such as taxes, easements, CC&R's, etc. shown here.]

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.

(b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.

- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
- 6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the

Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.

7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.



First American Title

Privacy Information

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information - particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our subsidiaries we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Information Obtained Through Our Web Site

First American Financial Corporation is sensitive to privacy issues on the Internet. We believe it is important you know how we treat the information about you we receive on the Internet. In general, you can visit First American or its affiliates' Web sites on the World Wide Web without telling us who you are or revealing any information about yourself. Our Web servers collect the domain names, not the e-mail addresses, of visitors. This information is aggregated to measure the number of visits, average time spent on the site, pages viewed and similar information. First American uses this information to measure the use of our site and to develop ideas to improve the content of our site. There are times, however, when we may need information from you, such as your name and email address. When information is needed, we will use our best efforts to let you know at the time of collection how we will use the personal information. Usually, the personal information we collect is used only by us to respond to your inquiry, process an order or allow you to access specific account/profile information. If you choose to share any personal information with us, we will only use it in accordance with the policies outlined above.

Business Relationships

First American Financial Corporation's site and its affiliates' sites may contain links to other Web sites. While we try to link only to sites that share our high standards and respect for privacy, we are not responsible for the content or the privacy practices employed by other sites.

Cookies

Some of First American's Web sites may make use of "cookie" technology to measure site activity and to customize information to your personal tastes. A cookie is an element of data that a Web site can send to your browser, which may then store the cookie on your hard drive.

FirstAm.com uses stored cookies. The goal of this technology is to better serve you when visiting our site, save you time when you are here and to provide you with a more meaningful and productive Web site experience.

Fair Information Values

Fairness We consider consumer expectations about their privacy in all our businesses. We only offer products and services that assure a favorable balance between consumer benefits and consumer privacy.

Public Record We believe that an open public record creates significant value for society, enhances consumer choice and creates consumer opportunity. We actively support an open public record and emphasize its importance and contribution to our economy.

Use We believe we should behave responsibly when we use information about a consumer in our business. We will obey the laws governing the collection, use and dissemination of data.

Accuracy We will take reasonable steps to help assure the accuracy of the data we collect, use and disseminate. Where possible, we will take reasonable steps to correct inaccurate information. When, as with the public record, we cannot correct inaccurate information, we will take all reasonable steps to assist consumers in identifying the source of the erroneous data so that the consumer can secure the required corrections.

Education We endeavor to educate the users of our products and services, our employees and others in our industry about the importance of consumer privacy. We will instruct our employees on our fair information values and on the responsible collection and use of data. We will encourage others in our industry to collect and use information in a responsible manner.

Security We will maintain appropriate facilities and systems to protect against unauthorized access to and corruption of the data we maintain.



CALIFORNIA
ASSOCIATION
OF REALTORS®

SELLER VACANT LAND QUESTIONNAIRE

(C.A.R. Form VLQ, 11/12)

- I. Seller makes the following disclosures with regard to the real property described as 233 Atascadero Rd, Assessor's Parcel No. 065-182-003 & 004, situated in Morro Bay, County of 066-332-003 San Luis Obispo, California, ("Property").
- II. The following are representations made by the Seller. Unless otherwise specified in writing, Broker and any real estate licensee or other person working with or through Broker have not verified information provided by Seller. A real estate broker is qualified to advise on real estate transactions. If Seller or Buyer desire legal advice, they should consult an attorney.
- III. **Note to Seller: PURPOSE:** To tell the Buyer about known material or significant items affecting the value or desirability of the Property and help to eliminate misunderstandings about the condition of the Property.
- Answer based on actual knowledge and recollection at this time.
 - Something that you do not consider material or significant may be perceived differently by a Buyer.
 - Think about what you would want to know if you were buying the Property today.
 - Read the questions carefully and take your time.
- IV. **Note to Buyer: PURPOSE:** To give you more information about known material or significant items affecting the value or desirability of the Property and help to eliminate misunderstandings about the condition of the Property.
- Something that may be material or significant to you, may not be perceived the same way by the Seller.
 - If something is important to you, be sure to put your concerns and questions in writing (C.A.R. Form BMI).
 - Sellers can only disclose what they actually know. Seller may not know about all material or significant items.
 - Seller's disclosures are not a substitute for your own investigations, personal judgments or common sense.

V. **SELLER AWARENESS:** For each statement below, answer the question "Are you (Seller) aware of..." by checking either "Yes" or "No." Provide explanations to answers in the space provided or attach additional comments and check section VI.

BOUNDARIES, ACCESS AND PROPERTY USE BY OTHERS:

ARE YOU (SELLER) AWARE OF...

1. Surveys, markers, stakes, pins or maps showing the location of the Property ☒ Yes ☐ No
2. Any unrecorded easement, encroachment or other dispute, maintenance or use agreement affecting access to, or the boundaries of, the Property ☒ Yes ☐ No
3. Use of the Property, or any part of it, by anyone other than you, with or without permission, for any purpose, including but not limited to, using or maintaining roads, driveways or other forms of ingress or egress, or other travel or drainage. ☒ Yes ☐ No
4. Leases, rental agreements, service contracts, licenses, permits or related agreements regarding use of the Property by others ☒ Yes ☐ No
5. Use of any neighboring property by you ☐ Yes ☒ No
6. The absence or limitation of legal or physical access to the Property ☒ Yes ☐ No

Explanation: _____

GEOLOGIC CONDITIONS AND ENVIRONMENTAL HAZARDS:

ARE YOU (SELLER) AWARE OF...

7. Fill (compacted or otherwise), soil instability, caves, mines, caverns, or slippage on the Property ☒ Yes ☐ No
8. Radon, methane or other gases, contaminated soil or water, hazardous waste, or waste disposal sites on the Property ☒ Yes ☐ No
9. Fuel, oil or chemical storage tanks above or underground ☐ Yes ☒ No
10. Past or present treatment or eradication of pests or odors. ☐ Yes ☒ No

Explanation: _____

Buyer's Initials () ()

Seller's Initials () ()

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VLQ REVISED 11/12 (PAGE 1 OF 4)

Reviewed by _____ Date _____

SELLER VACANT LAND QUESTIONNAIRE (VLQ PAGE 1 OF 4)

Jack Franklin, 798 Morro Bay Blvd Morro Bay, CA 93442
Jack Franklin

Produced with zipForm® by zipLogix 18070 Fifteen Mile Road, Fraser, Michigan 48026 www.ziplogix.com

Phone: 805-772-4277

Fax: 805-772-5196

1.71 AC -

Property Address: Atascadero Rd, Morro Bay, CA 93442

Date: 10/30/17

GOVERNMENTAL:

ARE YOU (SELLER) AWARE OF...

11. Agricultural use restrictions pursuant to the Williamson Act or other law ☐ Yes ☒ No
12. Whether the Property is in or adjacent to an area with Right to Farm rights ☐ Yes ☒ No
13. Presence of any endangered, threatened, "candidate" species, wetlands, historic artifacts or human remains on the Property ☐ Yes ☒ No
14. Any protected habitat for plants, trees, animals or insects that apply to or could affect the Property ☐ Yes ☒ No
15. Conditions or laws that may affect the ability to place and/or use a manufactured home on the Property ☒ Yes ☐ No
16. Special taxes pursuant to the Mello -Roos Community Facilities Act, Improvement Bond Act of 1915 or other law ☐ Yes ☒ No
17. Ongoing or contemplated eminent domain, condemnation, annexation or change in zoning or general plan that apply to or could affect the Property ☐ Yes ☒ No
18. Existence or pendency of any rent control, occupancy restrictions or retrofit requirements that apply to or could affect the Property ☐ Yes ☒ No
19. Existing or contemplated building or use moratorium that apply to or could affect the Property ☐ Yes ☒ No
20. Current or proposed bonds, assessments, or fees that do not appear on the Property tax bill that apply to or could affect the Property ☐ Yes ☒ No
21. Proposed construction, reconfiguration, or closure of nearby government facilities or amenities such as schools, parks, roadways and traffic signals ☒ Yes ☐ No
22. Existing or proposed government requirements affecting the Property (i) that tall grass, brush or other vegetation be cleared; (ii) that restrict tree (or other landscaping) planting, removal or cutting, or (iii) that flammable materials be removed ☒ Yes ☐ No

Explanation: _____

WATER-RELATED ISSUES:

ARE YOU (SELLER) AWARE OF...

23. Standing water, flooding, pumps, underground water, or water-related soil settling or slippage on or affecting the Property ☐ Yes ☒ No
24. Rivers, streams, flood channels, underground springs, high water table, floods or tides on or affecting the Property ☐ Yes ☒ No

Explanation: _____

UTILITIES AND SERVICES:

ARE YOU (SELLER) AWARE OF...

25. Whether any of the following utilities or services are available ON the Property ☐ Yes ☒ No
- If yes, check which ones: ☐ wells ☐ sewer ☐ septic ☐ sanitation ☐ leach lines ☐ water ☐ gas
- ☐ electric ☐ telephone ☐ cable ☐ other _____
- If no, are you aware of the distance such utilities or services are from the Property? ☐ Yes ☒ No

Explanation: _____

LANDSCAPING, AGRICULTURE, STRUCTURES OR OTHER IMPROVEMENTS:

ARE YOU (SELLER) AWARE OF...

26. Diseases or infestations affecting trees, plants or vegetation on or near the Property ☐ Yes ☒ No
27. Diseases, infestation or other reason affecting the production of any agricultural trees or crops on the Property ☐ Yes ☒ No
28. Operational sprinklers or irrigation systems on the Property ☐ Yes ☒ No
- If yes, are they ☐ automatic or ☐ manually operated.
29. Any structures or improvements (such as pad, foundations, or shelter) ☐ Yes ☒ No

Explanation: _____

NEIGHBORHOOD:

ARE YOU (SELLER) AWARE OF...

30. Neighborhood noise, nuisance or other problems from sources such as, but not limited to, the following: neighbors, livestock, wildlife, insects or pests, traffic, parking congestion, airplanes, trains, light rail, subway, trucks, freeways, buses, schools, parks, refuse storage or landfill processing, agricultural operations, business, odor, recreational facilities, restaurants, entertainment complexes or facilities, parades, sporting events, fairs, neighborhood parties, litter, construction, air conditioning equipment, air compressors, generators, pool equipment or appliances, or wildlife ☒ Yes ☐ No

Explanation: _____

Buyer's Initials (AB) (_____)

Seller's Initials (LO) (_____)

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VLQ REVISED 11/12 (PAGE 2 OF 4)

Reviewed by _____ Date _____

SELLER VACANT LAND QUESTIONNAIRE (VLQ PAGE 2 OF 4)

Produced with zipForm® by zipLogix 18070 Fifteen Mile Road, Fraser, Michigan 48026 www.ziplogix.com

1.71 AC -



Property Address: Atascadero Rd, Morro Bay, CA 93442

Date: 10/30/17

COMMON INTEREST CONDOMINIUMS AND DEVELOPMENTS:

ARE YOU (SELLER) AWARE OF...

31. Any Homeowner or Property Owner Association (OA) governing the Property, or any pending or proposed dues increases, special assessments, rules changes, insurance, availability issues or threatened or pending litigation by or against the OA affecting the Property ☐ Yes ☒ No

Explanation: _____

TITLE, OWNERSHIP AND LEGAL CLAIMS:

ARE YOU (SELLER) AWARE OF...

32. Any other person or entity on title other than Seller(s) signing this form ☐ Yes ☒ No
33. Leases, options or claims affecting or relating to title or use of the Property ☐ Yes ☒ No
34. Any other person or entity other than Seller(s) signing this form with a legal claim to oil, mineral, gas or water rights ☐ Yes ☒ No
35. Past, present, pending or threatened lawsuits, mediations, arbitrations, tax liens, abatement liens, mechanics' liens, notice of default, bankruptcy or other court filings, or government hearings affecting or relating to the Property, OA or neighborhood ☒ Yes ☐ No

Explanation: _____

DISASTER RELIEF, INSURANCE OR CIVIL SETTLEMENT:

ARE YOU (SELLER) AWARE OF...

36. Financial relief or assistance, insurance or settlement, sought or received, from any federal, state, local or private agency, insurer or private party, by past or present owners of the Property, due to any actual or alleged damage to the Property arising from a flood, earthquake, fire, other disaster, or occurrence or defect, whether or not any money received was actually used to correct damage ☐ Yes ☒ No

Explanation: _____

OTHER:

ARE YOU (SELLER) AWARE OF...

37. Reports, inspections, disclosures, warranties, maintenance recommendations, estimates, studies, surveys or other documents, pertaining to the condition of the Property or easements, encroachments, boundary disputes or environmental conditions affecting the Property ☒ Yes ☐ No
(If yes, provide any such documents in your possession to Buyer)
38. Department of Real Estate Public Report, or subdivision map ☒ Yes ☐ No
39. An Order from a government health official identifying the Property as being contaminated by methamphetamine. (If yes, attach a copy of the Order.) ☐ Yes ☒ No
40. The release of an illegal controlled substance on or beneath the Property. ☒ Yes ☐ No
41. Whether the Property is located in or adjacent to an "industrial use" zone ☐ Yes ☒ No
(In general, a zone or district allowing manufacturing, commercial or airport uses.)
42. Whether the Property is affected by a nuisance created by an "industrial use" zone ☐ Yes ☒ No
43. Whether the Property is located within 1 mile of a former federal or state ordnance location ☒ Yes ☐ No
(In general, an area once used for military training purposes that may contain potentially explosive munitions.)
44. Whether the Property is a condominium or located in a planned unit development or other common interest subdivision ☐ Yes ☒ No
45. Insurance claims affecting the Property within the past 5 years ☐ Yes ☒ No
46. Matters affecting title of the Property. ☐ Yes ☒ No
47. Any past or present known material facts or other significant items affecting the value or desirability of the Property not otherwise disclosed to Buyer ☐ Yes ☒ No

Explanation: _____

VI. ☒ (IF CHECKED) **ADDITIONAL COMMENTS:** The attached addendum contains an explanation or additional comments in response to specific questions answered "yes" above. Refer to line and question number in explanation.

Buyer's Initials (AS) (_____)

Seller's Initials (CO) (_____)

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VLQ REVISED 11/12 (PAGE 3 OF 4)

Reviewed by _____ Date _____

SELLER VACANT LAND QUESTIONNAIRE (VLQ PAGE 3 OF 4)

Produced with zipForm® by zipLogix 18070 Fifteen Mile Road, Fraser, Michigan 48026 www.ziplogix.com

1.71 AC -



Property Address: Atascadero Rd, Morro Bay, CA 93442

Date: 18/30/17

Seller represents that Seller has provided the answers and, if any, explanations and comments on this Form and any attached addenda and that such information is true and correct to the best of Seller's knowledge as of the date signed by Seller. Seller acknowledges (i) Seller's obligation to disclose information requested by this Form is independent from any duty of disclosure that a real estate licensee may have in this transaction, and (ii) nothing that any such real estate licensee does or says to Seller relieves Seller from his/her own duty of disclosure.

Date 10/30/17
SELLER _____
By _____
Print name Charles P. Ogle, Trustee
Title _____

Date _____
SELLER _____
By _____
Print name _____
Title _____

By signing below, Buyer acknowledges that Buyer has read, understands and has received a copy of this Seller Vacant Land Questionnaire form.

Date 10/30/17
BUYER _____
By _____
Print name _____
Title _____

Date _____
BUYER _____
By _____
Print name _____
Title _____

THIS FORM HAS BEEN APPROVED BY THE CALIFORNIA ASSOCIATION OF REALTORS® (C.A.R.). NO REPRESENTATION IS MADE AS TO THE LEGAL VALIDITY OR ADEQUACY OF ANY PROVISION IN ANY SPECIFIC TRANSACTION. A REAL ESTATE BROKER IS THE PERSON QUALIFIED TO ADVISE ON REAL ESTATE TRANSACTIONS. IF YOU DESIRE LEGAL OR TAX ADVICE, CONSULT AN APPROPRIATE PROFESSIONAL.

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REAL ESTATE BUSINESS SERVICES, INC.
a subsidiary of the California Association of REALTORS®
525 South Virgil Avenue, Los Angeles, California 90020

VLQ REVISED 11/12 (PAGE 4 OF 4)

Reviewed by _____ Date _____



SELLER VACANT LAND QUESTIONNAIRE (VLQ PAGE 4 OF 4)

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1.71 AC -

Attachment 1 – Seller Vacant Land Questionnaire

V.1. See documents numbered DISC000011-12 attached hereto.

V.2. Seller believes that there is a sewer line under the property in the vicinity of 66th street. There are utility poles in roughly the same location. Seller believes there is a city water line in roughly the same location. First American Title Company has issued a preliminary report of title, dated June 12, 2017, stating that Seller owns fee title to the entire subject property which resolves any ambiguity regarding the ownership of 66th street, resulting from the fact that the original Atascadero Beach subdivision map indicates that ownership of streets was retained by the developer. See documents numbered DISC000025-000041. Seller believes that the high school driveway may encroach on the far northwestern edge of the property. Over the last few years, and particular in the past winter, limbs have fallen on to the property from the cypress trees along the west and south boundaries.

V.3. It is believed that San Luis Coastal Unified School District installed and owns the chain link fencing along the northern and western boundaries. Seller's predecessor in ownership installed fencing at the southeast corner and along the south border in 2008, along with a gate and a lock, thereby enclosing most of the property. The part not enclosed consists of the portion used by the City of Morro Bay for a Class I bike path and a portion further to the west that is covered by the high school driveway. A copy of the Memorandum of Easement pertaining to the bicycle path is included with Disclosure Documents provided herewith as numbered DISC000001-000005. A copy of the agreement between the City of Morro Bay and Sellers' predecessor in ownership regarding the bicycle path, including construction diagrams and details, is available upon payment of copying costs. These documents may also be available from the City of Morro Bay. Seller believes that there is a sewer line under the property in the vicinity of the street. There are utility poles in roughly the same location. Seller believes there is a city water line in roughly the same location.

V.4. See documents numbered DISC000001-000005 attached hereto.

V.6. Seller believes that the only legal access to the property is via Atascadero Road and the portion of the high school driveway that may be a public roadway. See V.3.

V.7. In the 2008-2009 timeframe, a portion of the property was used for the unauthorized storage of materials, vehicles and equipment during a Highway 1 paving project which was undertaken by the California Department of Transportation ("Cal Trans"). Gravel was apparently deposited on the property under the mistaken belief that the property was still owned by the City of Morro Bay (Seller's predecessor acquired the front/southern portion of the property from the City). Upon discovery, Seller's predecessor demanded that the materials be removed. The property was vacated, inspected and cleaned. Seller's predecessor was provided with documentation that the stored materials were tested and were free of contaminants. The ground was also

Attachment 1 – Seller Vacant Land Questionnaire

surveyed for contaminants and fluid spills as well and none were found. See documents numbered DISC000006-000012 attached.

V.8, 37. There was a discharge of petroleum hydrocarbon constituents into the groundwater at the former Shell gasoline station located at 1840 Main Street, Morro Bay which resulted in Cleanup or Abatement Order (CAO) No. 01-028 issued by the California Regional Water Quality Control Board ("CRWCB") in January, 2001. Seller's predecessor in title was informed that the petroleum hydrocarbon constituents migrated in the groundwater in a westerly direction until underneath a portion of the subject property. Ultimately the case was closed. A copy of the Cleanup Abatement Order, as well as the official case closure order and a letter from the CRWCB pertaining to the subject property are provided with the Disclosure Documents. All of the reports in Seller's are available for inspection by Buyer. A full case file is presumably available at the CRWCB. The City of Morro Bay was involved in the cleanup and may have a case file as well. See document numbers DISC000013-000024.

V.15 Seller believes that placement of a manufactured home on the property would be restricted or prevented under the property zoning (C-VS). Buyer to verify zoning.

V.21. Due to the passage of a bond measure, there will be substantial construction at Morro Bay High School, including a new administration building and the remodeling /refurbishment of other buildings on campus. A new swimming pool has recently been completed and is expected to be available for limited public use in the future.

V. 30. Prior to the fencing of the property, there were occasional incidences of parking on the south portion of the property. Seller's records indicate that a tree-trimming crew parked there with equipment in 1996 and that employee of Seller's predecessor was dispatched to tell them to leave. In 2008, during a repaving project on Highway 1, several Cal Trans and contractor vehicles parked on the property until told to leave. In connection with the construction of the bike path mentioned above, Seller's predecessor provided the City of Morro Bay with a construction easement and allowed contractor vehicles to park on the Property. When the school day begins and ends, and during school events such as football games and graduation, there is substantial vehicle and pedestrian traffic along Atascadero Road and on the adjoining school driveway. A new swimming pool has recently been completed and is expected to be available for limited public use in the future. Buyer is to review the Bike path agreement with the City of Morro Bay supplied in the Disclosure Documents. See documents numbered DISC000001-000005 attached. Buyer is to satisfy himself as to any Cal Trans' guidelines which may exist for access near the highway off-ramp. Seller makes no representation as to the size of the property. Buyer to satisfy himself as to size and suitability.

Attachment 1 – Seller Vacant Land Questionnaire

V.35 Seller believes that MTBE remediation effort (see V.8, 37 above) may have been the result of a threatened or actual lawsuit or government hearing. Seller believes there were lawsuits pertaining to the acquisition of land by the State of California for the construction and /or reconstruction of Highway 1.

V.38 The property contains lots that were mapped in the Map of Atascadero Beach subdivision map.

Recording requested by: and
When recorded mail to:
City of Morro Bay
Capital Projects Division
590 Morro Bay Boulevard
Morro Bay, Ca. 93442-1957

JULIE RODEWALD
San Luis Obispo County - Clerk/Recorder
Recorded at the request of
Public

MF
8/20/2001
4:14 PM

DOC#: 2001062660



Titles: 1	Pages: 5
Fees	0.00
Taxes	0.00
Others	0.00
PAID	\$0.00

MEMORANDUM OF EASEMENT

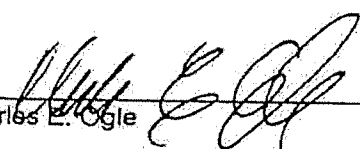
Charles E. Ogle (hereinafter "OWNER") hereby grants to the City of Morro Bay, a political subdivision of the state of California (hereinafter "CITY") an easement over OWNER'S property in the County of San Luis Obispo, California, which is more particularly described as: Parcel 5 in Attachment 4a and 6a to the Spousal Property Order recorded on March 3, 1997 as Document No. 1997-010435 in the Official Records of San Luis Obispo County.

The purpose of the easement is to allow for the construction, maintenance and public use of a bicycle path, and necessary signage, fixtures, and property thereon, through and over OWNER'S property. The bicycle path will be used by bicyclists and pedestrians. The duration of the easement shall be perpetual. The CITY shall have the right to enter and remain on the easement for the purposes of repairing, maintaining, and improving the bicycle path and all fixtures or property appurtenant thereto. OWNER and OWNER'S invitees shall have the right of access over the easement.

This Memorandum of Easement is prepared for the purpose of recordation and in no way modifies the provisions of the Agreement between CITY and OWNER approved for this purpose by the Morro Bay City Council, all of which is incorporated herein by this reference. The easement shall consist of the property described in Exhibit 1 hereto.

Dated this 10th day of August, 2001.

By:

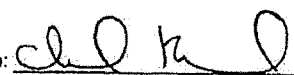

Charles E. Ogle

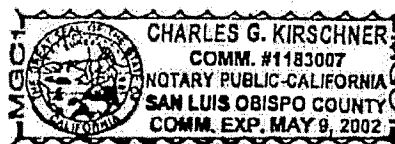
ACKNOWLEDGMENT

State of California)
County of San Luis Obispo) SS

On 8/10, 2001 before me Charles Kirschner, a Notary Public for the State of California, personally appeared Charles E. Ogle, personally known to me (or proven to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person or entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal,

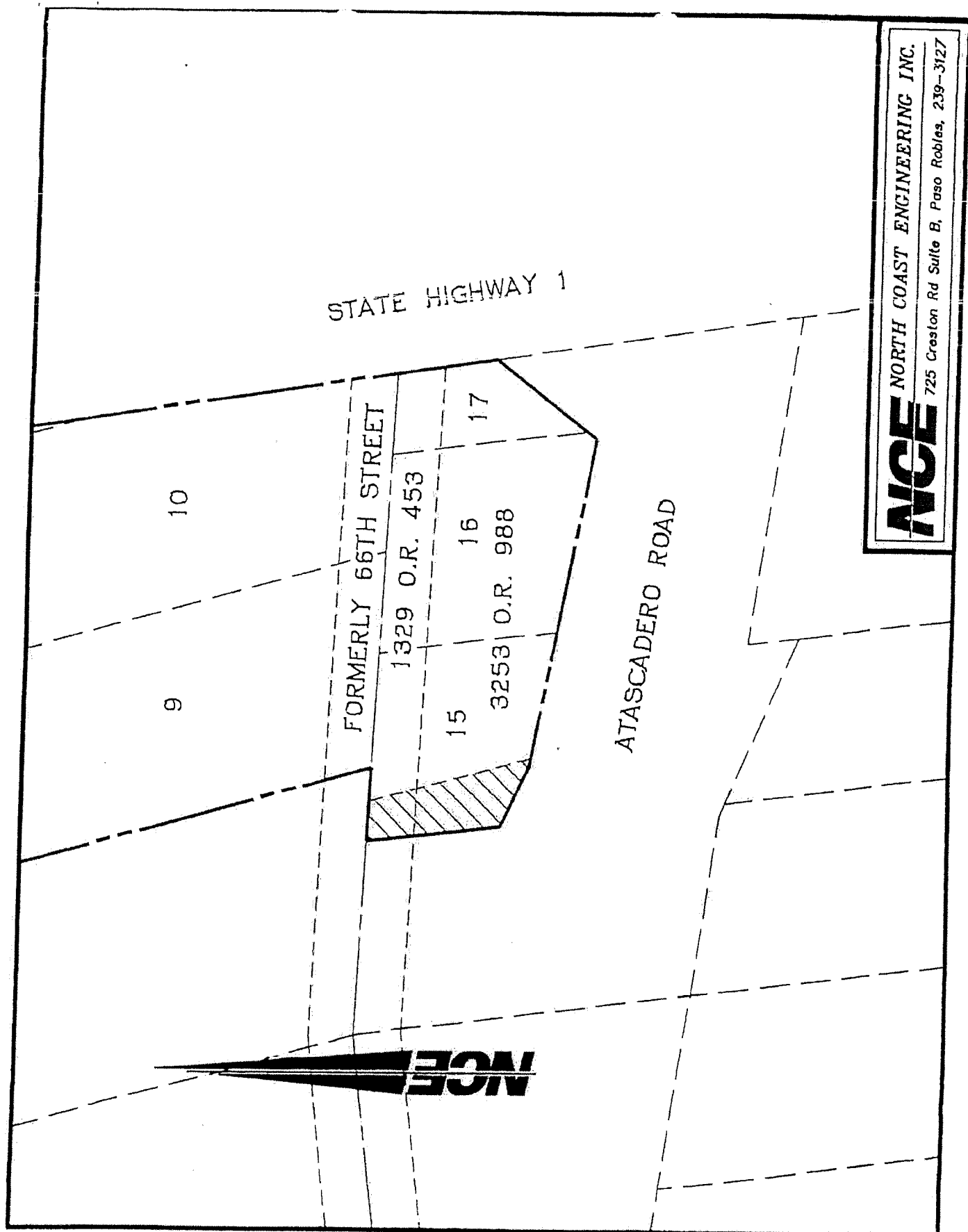
Signature:  (Seal)
Notary Public



DISC000001

COMMENCING at the southeasterly corner of Lot 8, Block 24 of Atascadero Beach as shown on the survey recorded December 24, 1992 in Book 69 of Records of Survey at Page 3, in the office of the County Recorder of San Luis Obispo County; THENCE along the southerly line of said Lot 8, South 87°23'56" West, 14.42 feet to the POINT OF BEGINNING; THENCE South 15°25'16" East, 70.77 feet to a point on the southwesterly line of that portion of Lot 15, Block 27 of Atascadero Beach contained within Parcel 5 in Attachment 4a and 6a to the Spousal Property Order recorded on March 3, 1997 as Document No. 1997-010435 in the Official Records of San Luis Obispo County, THENCE along said southwesterly line, North 79°50'59" West, 3.95 feet to an angle point in said southwesterly line; THENCE along said southwesterly line, North 65°45'55" West, 28.11 feet to the southwesterly corner of said Lot 15; THENCE along the westerly line of said Lot 15, North 7°12'02" West, 56.78 feet to the northwesterly corner of said Lot 15 and a point on the southerly line of said Lot 8; THENCE along the southerly line of said Lot 8, South 87°23'56" West, 17.25 feet to the POINT OF BEGINNING.

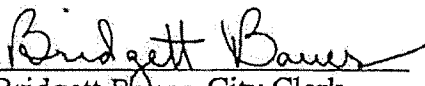
DISC000002

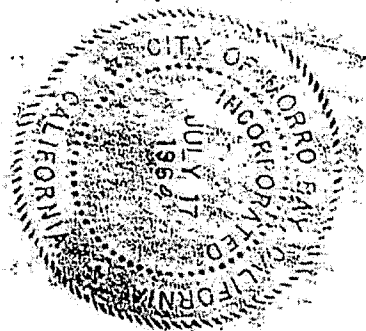


CERTIFICATION

I, Bridgett Bauer, City Clerk for the City of Morro Bay, hereby certify
that the attached Resolution No. 51-01 adopted by the Morro Bay City
Council at its regular meeting held on August 13, 2001 is a true and correct
copy of the original document.

DATED: August 17, 2001


Bridgett Bauer, City Clerk



DISC000004

RESOLUTION NO 51-01

RESOLUTION APPROVING EASEMENT AGREEMENT WITH CHARLES E. OGLE FOR
THE MORRO BAY HIGH SCHOOL BIKE PATH

the CITY COUNCIL,
City of Morro Bay, California

WHEREAS, the Circulation Element and Bikeway Planning Study of the City of Morro Bay and regional planning policies identify the construction of a bike path through the Morro Bay High School property as a priority route for alternative modes of transportation; and

WHEREAS, the City has acquired grant funding to develop said regional bike path; and

WHEREAS, the San Luis Coastal Unified School District, as owner of the property upon which said High School exists, has granted an easement said bike path; and

WHEREAS, during engineering design it was found that the bike path route crosses a portion of a parcel owned by Charles E. Ogle; and

WHEREAS, said owner and the City have agreed to the terms and conditions of an easement agreement to accommodate the construction and on-going operation, maintenance and replacement of the bike path;

WHEREAS, it is in the public interest to enter into said Easement Agreement.

NOW, THEREFORE, BE IT RESOLVED, by the Morro Bay City Council that said Easement Agreement is hereby approved; and

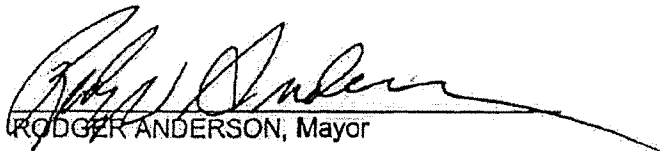
BE IT FURTHER RESOLVED, the Mayor is herewith authorized to execute documents necessary to reflect this approval; and

BE IT FURTHER RESOLVED, the City Manager or his designee is hereby authorized and directed to file documents appropriate to reflect this action at the office of the San Luis Obispo County Recorder.

PASSED AND ADOPTED, by the Morro Bay City Council at a regular meeting thereof held on the 13th day of August, 2001 by the following vote:

AYES:	Anderson, Crotzer, Elliott, Peirce, Peters
NOES:	None
ABSENT:	None
ABSTAIN:	None

ATTEST:


RODGER ANDERSON, Mayor


BRIDGETT BAUER, City Clerk

END

END OF DOCUMENT

DISC000005

DEPARTMENT OF TRANSPORTATION

50 HIGUERA STREET
SAN LUIS OBISPO, CA 93401-5415
PHONE (805) 549-3101
FAX (805) 549-3329
TTY 711

<http://www.dot.ca.gov/dist05/>



*Flex your power!
Be energy efficient!*

September 2, 2009

Charles P. Ogle, Esq.
Olge, Merzon & Kirshner
P. O. Box 720
Morro Bay, CA 93443-0720

Dear Mr. Ogle:

PROPERTY OWNED BY CHARLES E. OGLE AT HIGHWAY 1 AND HIGHWAY 41
- ASSESSOR'S PARCEL NUMBERS 65-182-01, 65-182-04 and 66-332-03

This is in response to your letter to the California Department of Transportation (Caltrans) regarding the use of land belonging to Charles E. Ogle, located near the southbound Highway 1 offramp at Highway 41 (map enclosed). Your letter describes an unauthorized use of the property for storing materials, vehicles, and equipment during a Highway 1 paving project.

When meeting with Caltrans Inspector Robert Bonilla at the site on September 10, 2008, Mr. Bonilla agreed to have the property vacated, inspected, and cleaned, and to provide you with documentation that the stored materials were free of contaminants.

The gravel stored on the property was crushed rock dust from the Aromas Quarry in San Benito County. A random sample of this material, inspected as required in the state's Quality Control Plan, indicated the stockpiled gravel was free of contaminants, of the proper grading, and free of vegetable matter and other deleterious substances. Please see the enclosed letter from the contractor.

Caltrans neither directed nor approved, in any way, the use of the property as a storage area. Caltrans requires its contractors to secure, at their own expense, areas for storage of any equipment or materials required for projects. The contractor assumes sole responsibility for the preservation of property and liability should any damages occur. During the temporary use of the property, the contractor followed all water pollution protocol and best management practices during oil transfer.

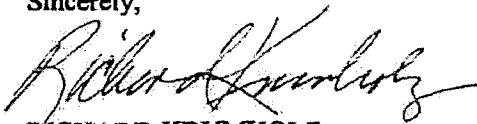
Soon after the September 2008 meeting, all materials and equipment were removed. Following the removal of the equipment and stockpiles, the ground was surveyed by Inspector Bonilla for contaminants and fluid spills. None were found and the area was then graded.

DISC000006

Charles Ogle, Esq.
September 2, 2009
Page 2

I hope this information and enclosed documentation meets your needs. I apologize for any inconveniences this may have caused you or your father and for the delay in providing you the requested information. If you have any further questions please contact Dan Miller, Area Construction Engineer, at (805) 549-3481.

Sincerely,



RICHARD KRUMHOLZ
District Director

Enclosures

- c. B. Marsalek, Calportland Construction

Sep 01 2009 10:28AM CALPORTLAND CONSTRUCTION

0000000000

P. 1



CALPORTLAND
CONSTRUCTION

1625 E. Donovan Road, Santa Maria, CA 93454
P. O. Box 1280, Santa Maria, CA 93456
Phone: (805) 345-3581 Fax: (805) 345-3538
Contractor's License #523019

Department of Transportation
50 Higuera Street
San Luis Obispo, CA. 93401-5415
REF: Contract 05-DN4504 Use of Ogle Property
ATTN: Dan Miller R.E.

Dear Dan:

I received from you a copy of a letter from Mr. Ogle dated Aug. 12, 2009 about his property on the Corner of HW 1 and the HW 41 Intersection. In checking with the project manager for that project I found that our sub did use the area to stock pile aggregates that were used in the slurry process. The aggregates stocked piled were processed quarry material and did not contain any contaminants. Attached are the material certifications showing the Aggregate specifications?

CalPortland (Union Asphalt) did not realize that that property was not state property when we used it and we vacated and cleaned the property as soon as we were notified that we were trespassing.

We apologize for not getting the required documentation to you sooner.

I trust this will suffice for the owner.

Sincerely

Bill Marsalek
Manager Construction Division
CalPortland Construction

Attached: Letter of Compliance
Aggregate properties

CALPORTLAND IS AN EQUAL OPPORTUNITY EMPLOYER

DISC000008

Sep 01 2009 10:28AM CALPORTLAND CONST

8053498301

P.3

09/04/2008 15:08 18855456184
Sep 04 08 09:50a Jari

STAPLES737

Web 2/1/1341

PAGE 05/07
p.2

CHANDLER AGGREGATES INC.
24867 Maitri Road
Corona, CA 92883
(951) 277-9110

September 4, 2008

SUBJECT: Type III Slurry

LETTER OF COMPLIANCE

This is to certify that our Type III Slurry meets Cal Trans Standard Specifications, Section 37-2.02C.

If you have any questions, please call.


Skip Beeg
Director of Sales

09-04-08
Date



VSS EMULTECH®
Road Oiling and Bulk Transport
"PROVEN SPECIALISTS IN QUALITY MATERIALS AND SERVICE"



7200 FLY ROAD
P.O. BOX 881888
REDDING, CA 96088-1888
(930) 241-1884

7701 11TH STREET
WHITE CITY, OR 97503
(541) 828-3373

3725 CHANNEL DRIVE
WEST SACRAMENTO, CA 95691
(916) 371-4480

3800 GILMORE AVENUE
BAKERSFIELD, CA 93306
(805) 320-6904

Caltrans: Various Projects

August 5, 2008

Aggregate

Gradation

Sieve No.	% Passing	
	Results	ISSA Type III
3/8"	100.0	100
4	78	70-80
8	50.1	45-70
16	36.6	28-50
30	30.0	18-34
60	19.2	12-25
100	13.0	7-18
200	10.7	5-15

Aggregate Properties

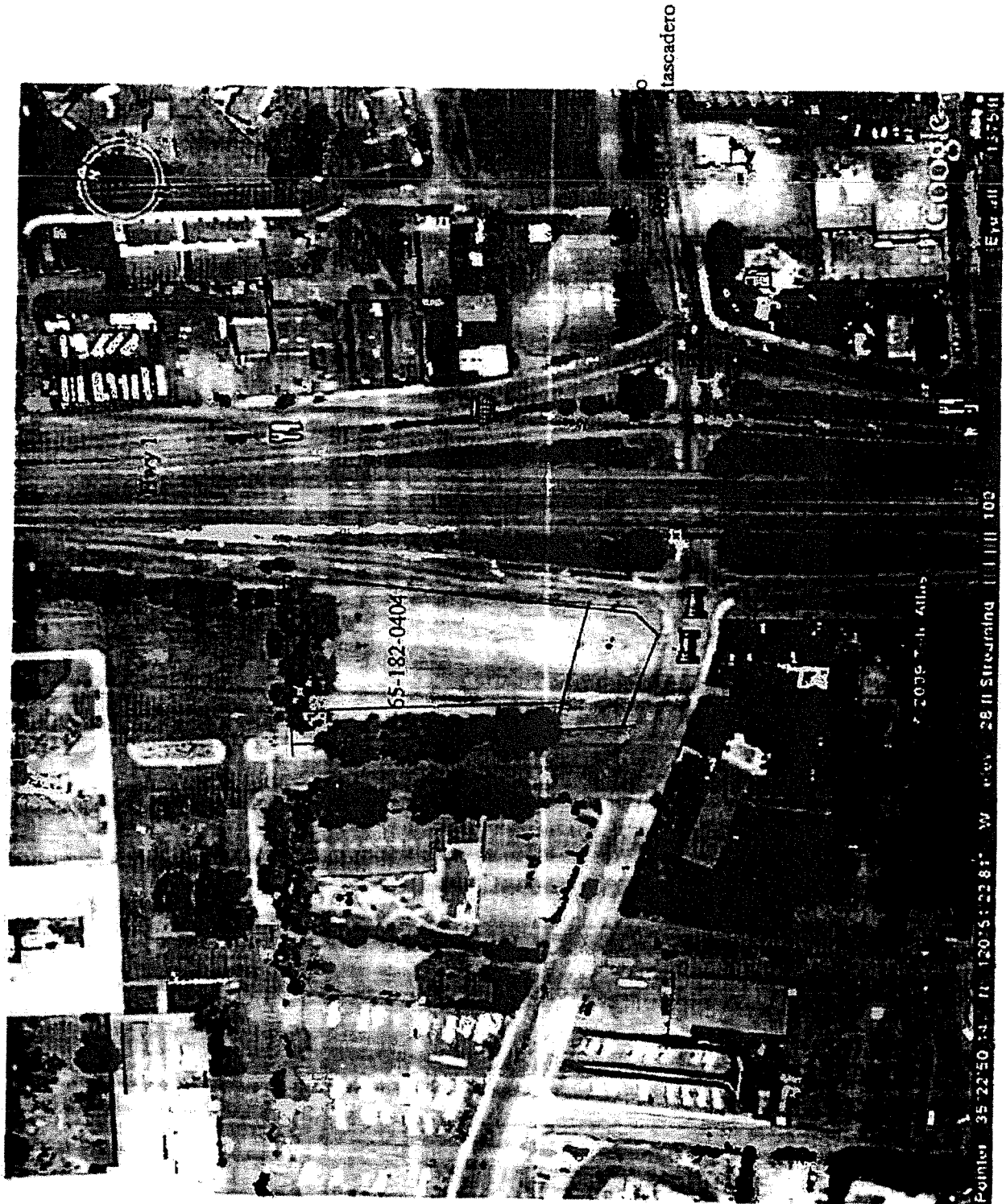
	California Test	Results	Specification
Sand Equivalent (%)	217	72	65 min.
Durability Index (%)	228	72	65 min.
Crushed Particles (%)	205	100	100 %
L.A. Rattler	211		

* data available from aggregate producer

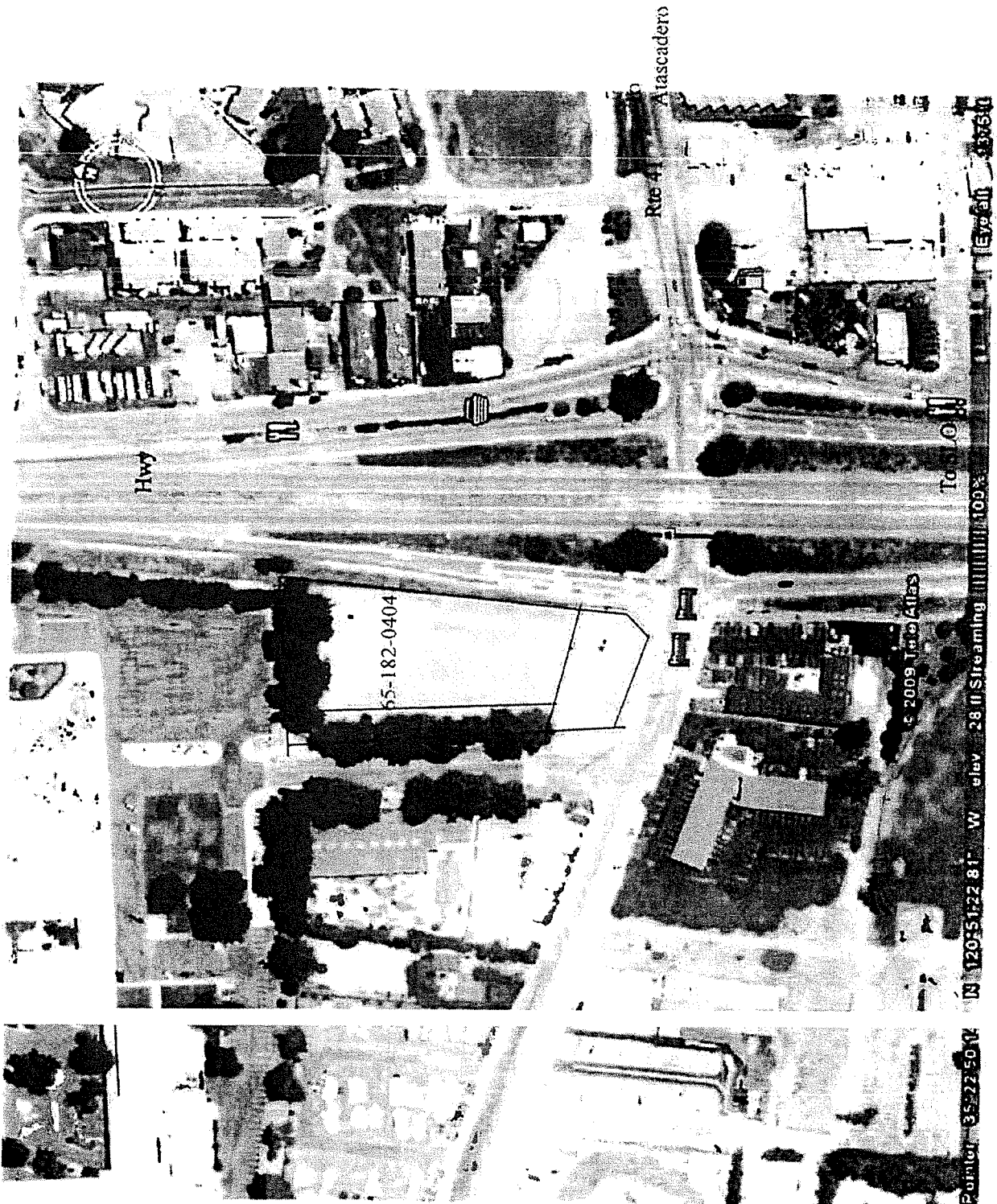
Bulking Effect

Water content (%)	Dry Density (lbs/ft³)
0.1	112.1
1.9	110.7
3.6	101.1
5.2	98.9

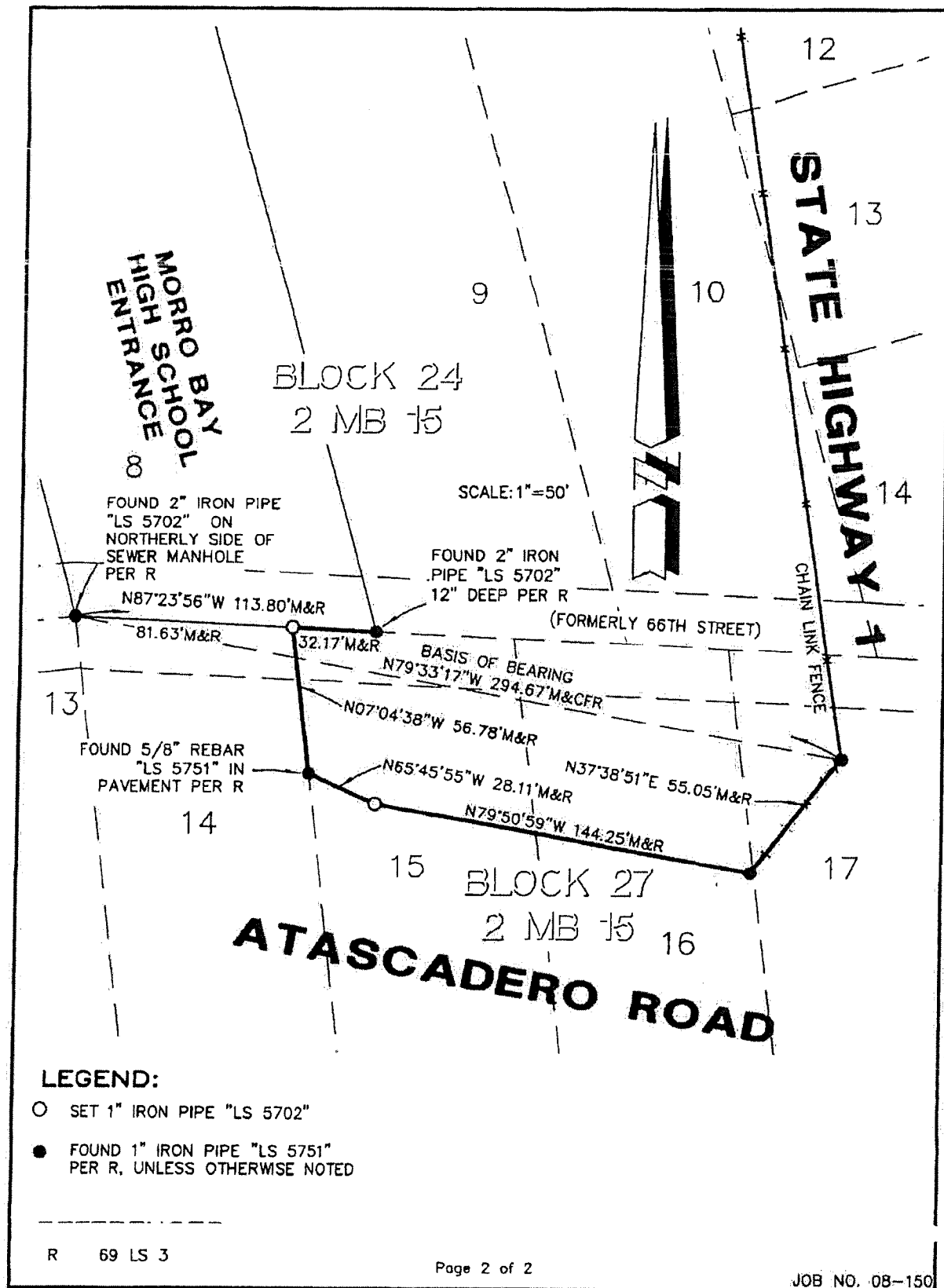
DISC000010



DISC000011



DISC000012



HIGH SCHOOL LOT.

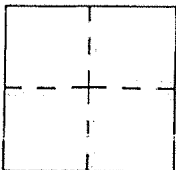
CORNER RECORD

Document number _____

City of MORRO BAY

County of COUNTY OF SAN LUIS OBISPO, California

Brief Legal Description A PORTION OF LOTS 15-17 BLOCK 27 OF ASTACADERO BEACH (2 MB 15) AS SHOWN ON 69 RS 3



CORNER TYPE

Government Corner ☐ Control ☐
Meander ☐ Property ☒
Rancho ☐ Other ☐
Date of Survey 11-07-2008

COORDINATES (Optional)

N. _____
E. _____
Zone _____ Datum _____
Elev. _____

Corner-- Left as found ☐ found and tagged ☐ Established ☐ Reestablished ☒ Rebuilt ☐

Identification and type of corner found: Evidence used to identify or procedure used to establish or reestablish the corner:
FOUND 2" IRON PIPE "LS 5702" AT THE SOUTHWEST CORNER OF LOT 8 BLOCK 24 (2 MB 15) ON THE NORTHERLY SIDE OF SEWER MANHOLE, ACCEPTED PER R. FOUND 2" IRON PIPE "LS 5702" AT THE SOUTHEAST CORNER OF LOT 8 BLOCK 24 (2 MB 15) DOWN 12", ACCEPTED PER R. FOUND 1" IRON PIPE "LS 5751" AT THE SOUTHEASTERLY CORNERS OF PARCEL SHOWN ON 69 RS 3, ACCEPTED PER R. FOUND 5/8" REBAR "LS 5751" AT THE SOUTHERLY ANGLE POINT BETWEEN LOTS 14 AND 15, ACCEPTED PER R. ESTABLISHED THE CORNERS OF PARCEL A SHOWN ON 69 RS 3 BY RECORD BEARINGS AND DISTANCES.

NOTE: 1" IRON PIPE "LS 5751" PER R REESTABLISHED PER THIS SURVEY APPEARED TO BE DESTROYED BY BIKE PATH CONSTRUCTION

A description of the physical condition of the monument as found and as set or reset. _____

SET 1" IRON PIPE "LS 5702"

SEE REVERSE SIDE.

SURVEYOR'S STATEMENT

This Corner Record was prepared by me or under my direction in conformance with

the Land Surveyor's Act on _____ 2008.

Signed _____ L.S. or R.C.E. Number L.S. 5702



COUNTY SURVEYOR'S STATEMENT

This Corner Record was received _____ 20__ and examined

and filed _____ 20__

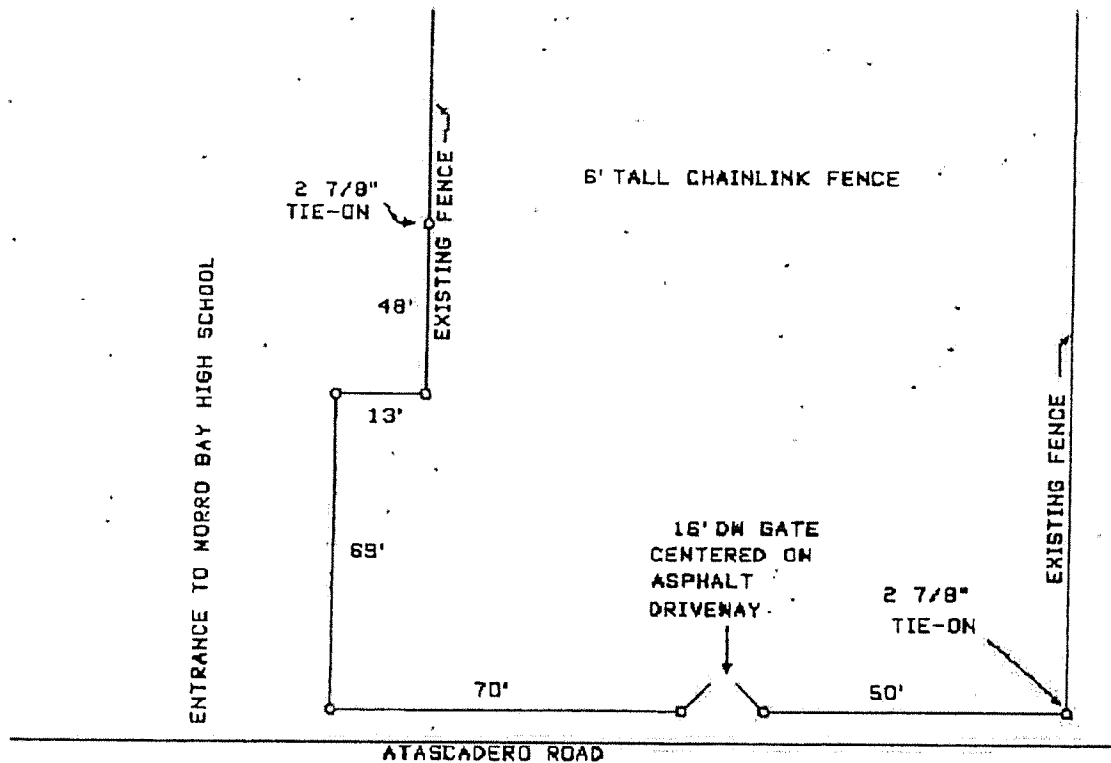
Signed _____ Title _____

Job Drawing

CENTRAL COAST FENCE
540 SOUTH FOURTH
GROVER BEACH, CA 93433
(805) 481-1460

11/12/2008

JOB SKETCH



Please draw in any preference you may have for the fence such as, board side of fence, Fence top to run level, fence top to run straight, fence top to match existing fence heights, any reference of distance from property lines etc. etc. If it is not listed on this page we cannot change fence once it has been installed with out additional charges.

Please list preference here or draw them into drawing

DISC000015

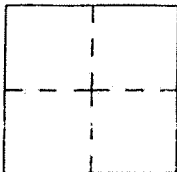
CORNER RECORD

Document number _____

City of MORRO BAY

County of COUNTY OF SAN LUIS OBISPO, California

Brief Legal Description A PORTION OF LOTS 15-17 BLOCK 27 OF ASTACADERO BEACH (2 MB 15) AS SHOWN ON 69 RS 3



CORNER TYPE

Government Corner ☐ Control ☐
Meander ☐ Property ☒
Rancho ☐ Other ☐
Date of Survey 11-07-2008

COORDINATES (Optional)

N. _____
E. _____
Zone _____ Datum _____
Elev. _____

Corner-- Left as found ☐ found and tagged ☐ Established ☐ Reestablished ☒ Rebuilt ☐

Identification and type of corner found: Evidence used to identify or procedure used to establish or reestablish the corner:
FOUND 2" IRON PIPE "LS 5702" AT THE SOUTHWEST CORNER OF LOT 8 BLOCK 24 (2 MB 15) ON THE NORTHERLY SIDE OF SEWER MANHOLE, ACCEPTED PER R. FOUND 2" IRON PIPE "LS 5702" AT THE SOUTHEAST CORNER OF LOT 8 BLOCK 24 (2 MB 15) DOWN 12", ACCEPTED PER R. FOUND 1" IRON PIPE "LS 5751" AT THE SOUTHEASTERLY CORNERS OF PARCEL SHOWN ON 69 RS 3, ACCEPTED PER R. FOUND 5/8" REBAR "LS 5751" AT THE SOUTHERLY ANGLE POINT BETWEEN LOTS 14 AND 15, ACCEPTED PER R. ESTABLISHED THE CORNERS OF PARCEL A SHOWN ON 69 RS 3 BY RECORD BEARINGS AND DISTANCES.

NOTE: 1" IRON PIPE "LS 5751" PER R REESTABLISHED PER THIS SURVEY APPEARED TO BE DESTROYED BY BIKE PATH CONSTRUCTION

A description of the physical condition of the monument as found and as set or reset. _____

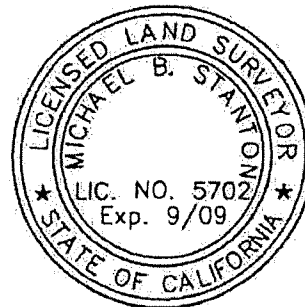
SET 1" IRON PIPE "LS 5702"

SEE REVERSE SIDE.

SURVEYOR'S STATEMENT

This Corner Record was prepared by me or under my direction in conformance with the Land Surveyor's Act on _____ 2008.

Signed _____ L.S. or R.C.E. Number L.S. 5702



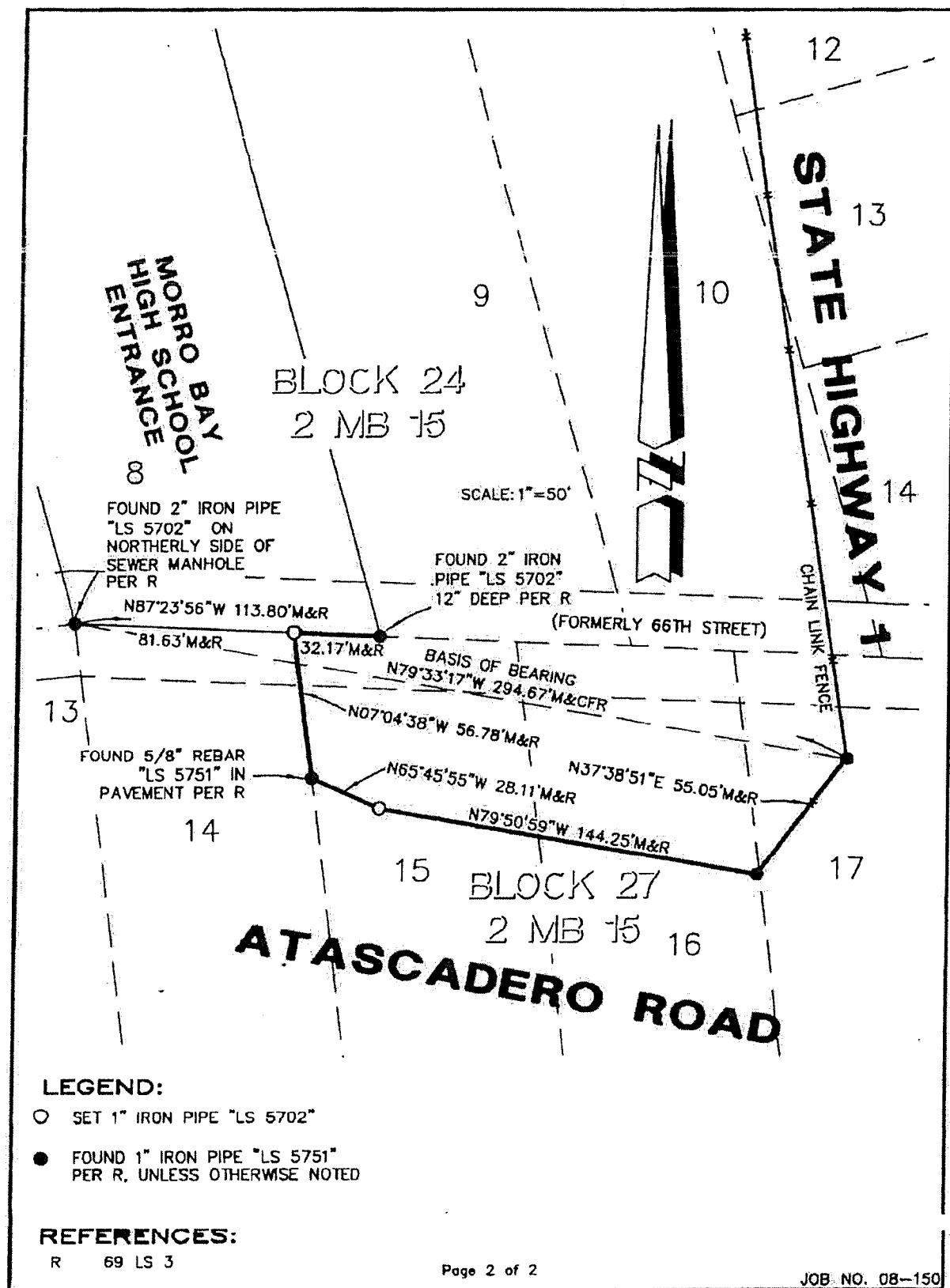
COUNTY SURVEYOR'S STATEMENT

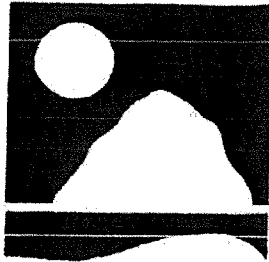
This Corner Record was received _____ 20__ and examined

and filed _____ 20__

Signed _____ Title _____

County Surveyor's Comment _____





City of Morro Bay

595 Harbor St.
Morro Bay, CA 93442
805-772-1214

November 29, 1988

Mr. Charles Ogle
PO Box 720
Morro Bay, CA 93442

Dear Mr. Ogle:

After checking with the Public works Director, to the best of our knowledge, the City of Morro Bay has no ownership in 66th Street adjacent to APN 66-332-03 which is to be exchanged to you for a lot on Embarcadero Street. However, the City does have an interest in 66th Street by way of existing easements for public utilities running both parallel and perpendicular to the street. Utilities running parallel to 66th Street have not been identified as to exact location within the street while the easement running perpendicular is attached as to location and would be a continuation of the easement reserved in the deed transferring title to you of the City property.

Please let me know if additional information is required.

A handwritten signature in cursive script, appearing to read "Alan Davis".

Alan Davis
Harbor Director

AD/sl

Enc.

COMMUNITY DEVELOPMENT
595 Harbor Street

FINANCE DEPARTMENT
595 Harbor Street

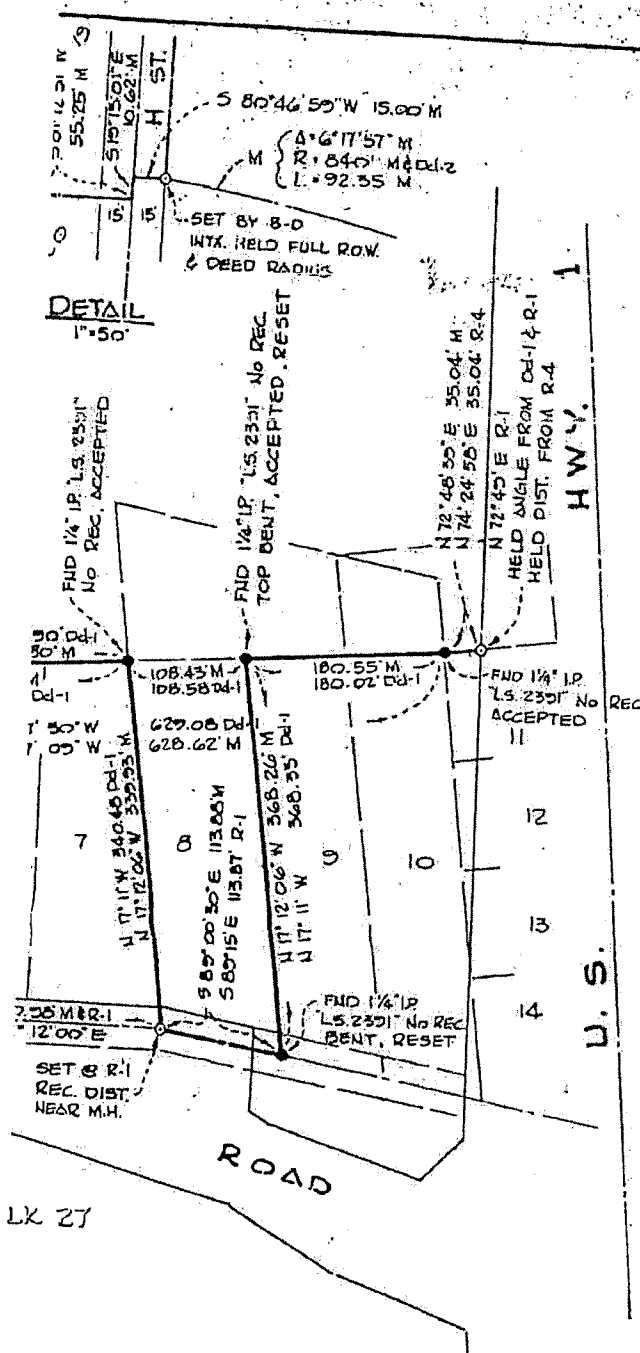
FIRE DEPARTMENT
715 Harbor Street

POLICE DEPARTMENT
850 Morro Bay Blvd.

PUBLIC WORKS
695 Harbor Street

RECREATION DEPARTMENT
535 Harbor Street

DISC000018



RECORD OF SURVEY

ER'S STATEMENT

DAY OF May, 1991,
IN BOOK 25 AT PAGE 83 OF
RECORDS AT THE REQUEST OF
ITON.

IER: 22212

ER

DEPUTY

ENGINEERING

ASSOCIATES

1320 NIPOMO STREET
SAN LUIS OBISPO, CALIFORNIA 93401

(805) 549-8658

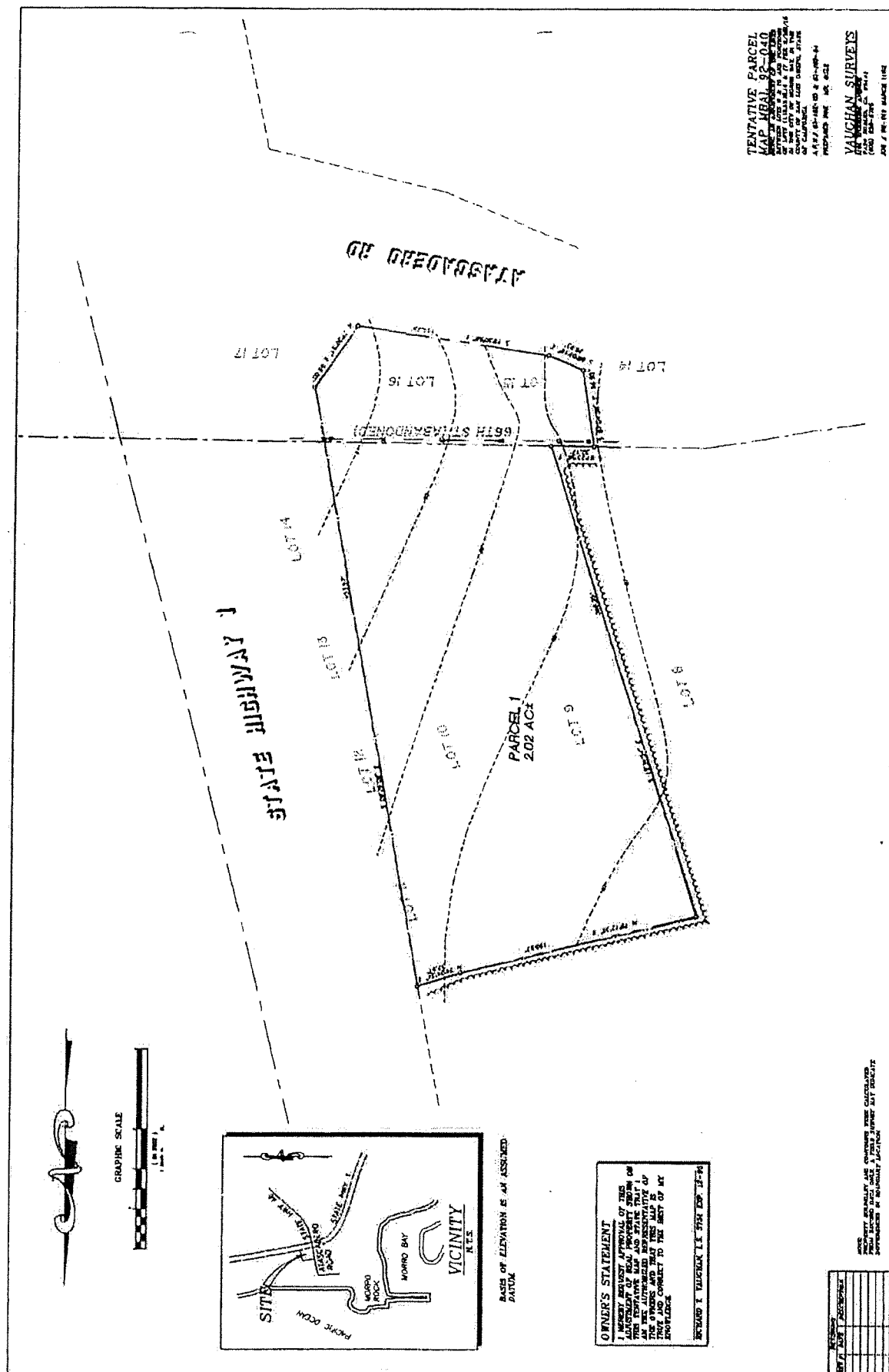
FEBRUARY, 1991

JOB # 87-503 SHEET 1 OF 1 SHEETS

20-1136
M.B.S.

FILE: NIPOMO.DWG

DISC000019



ATA:

**Tentative Lot Line
Adjustment MBAL 01-0120**

Being an adjustment of the lines between Lots 9
and 10 and a portion of Lots 11, 12, 13, 15, 16, and
17, as per 2/MB/15, in the City of Morro Bay,
County of San Luis Obispo, State of California.

APN #065-182-003, 004 & 066-332-003

Prepared for Chuck Ogle
P.O. Box 720
Morro Bay, CA 93443

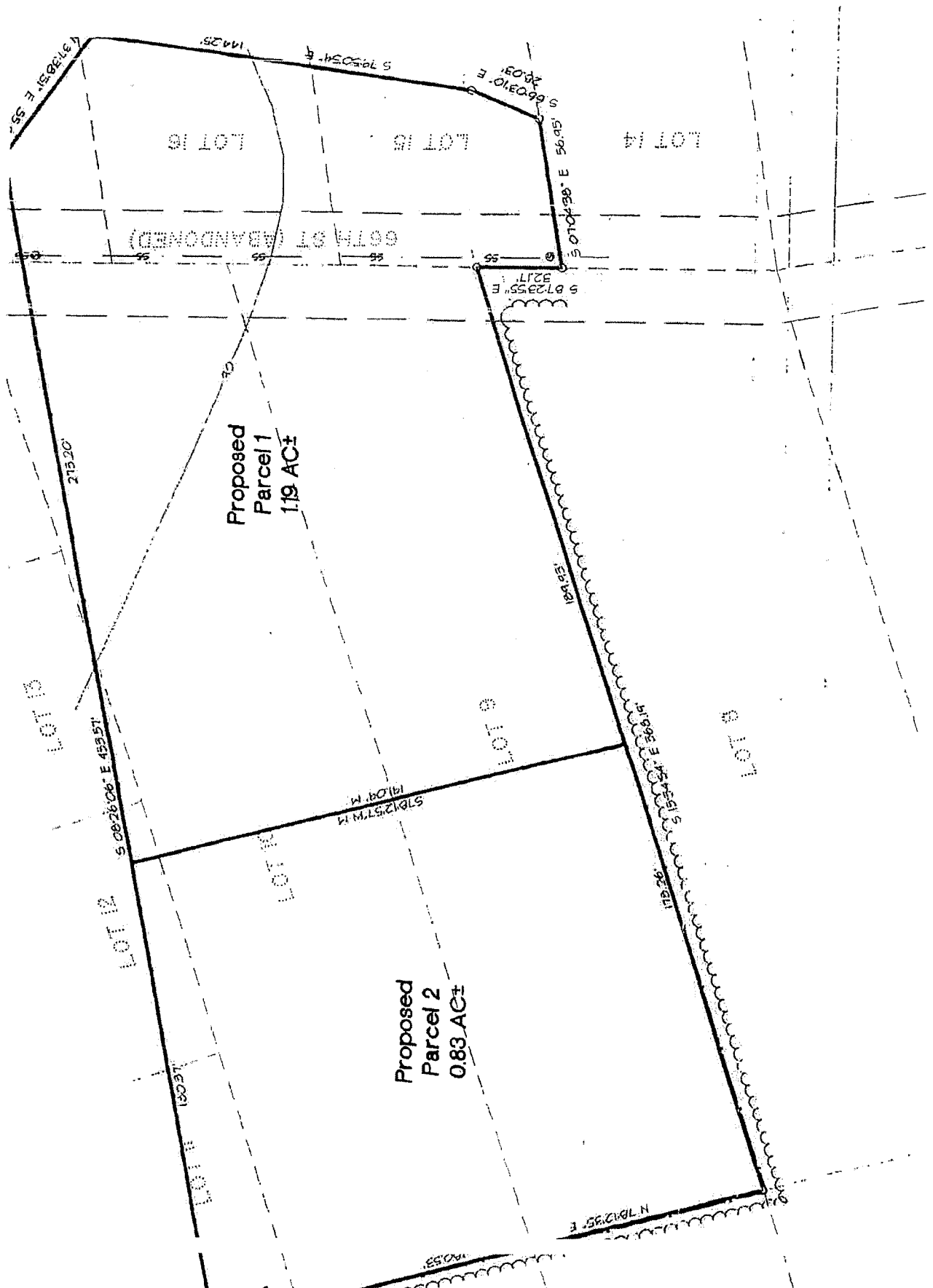
VAUGHAN SURVEYS, INC.

1101 Riverside Avenue
San Luis Obispo, California 93410
(805) 238-5725

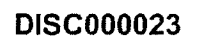
Job #01-063 3/28/2001
File : \01063\01063tm.dwg

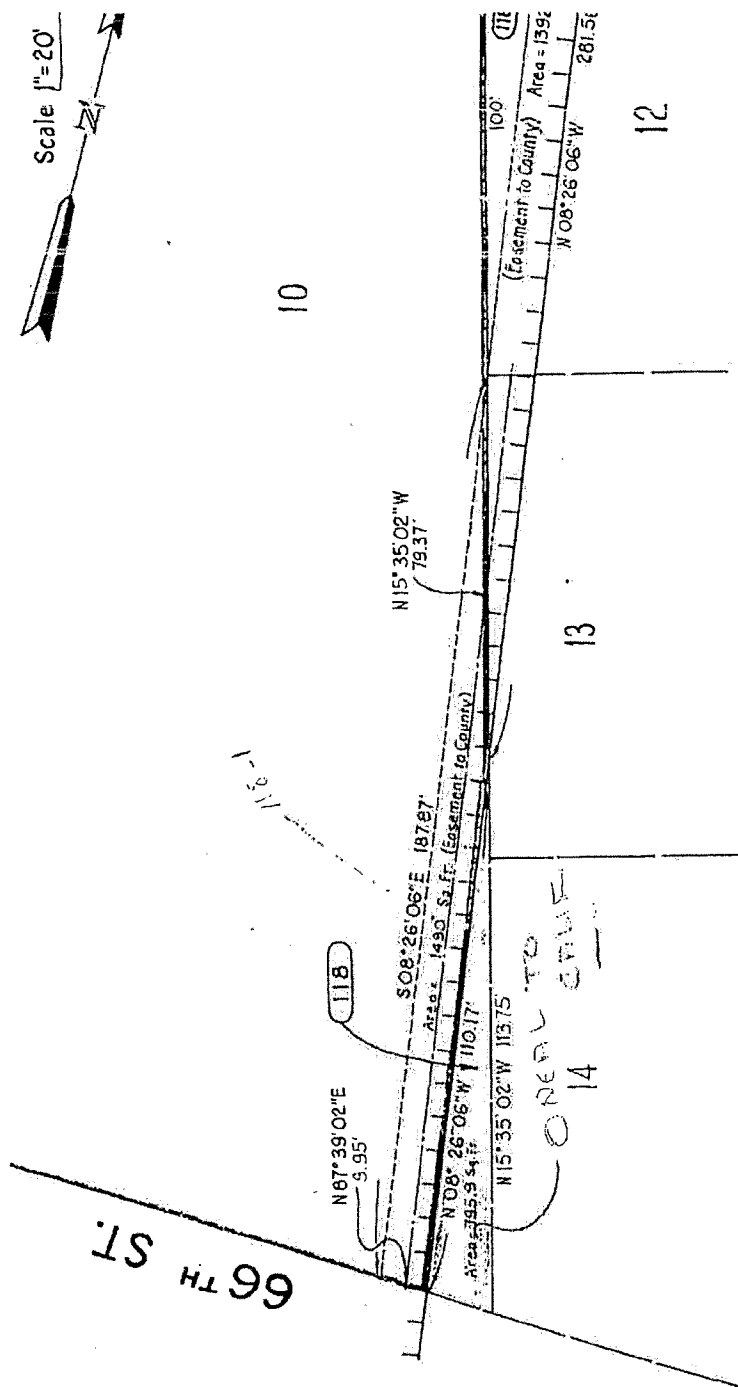
Sheet 1 of 1

DISC000021



DISC000022





118-1 EASEMENT AREA OGLE DEELED to County = 1490.51
118-13 TOTAL FEE AREA OGLE RECEIVED BY EXCHANGE = 3918.51
35/12-33 Parcel thurst acrebund by second = 1392.51

CLTA Preliminary Report Form
(Rev. 11/06)

Order Number: 4001-5481484 (MA)
Page Number: 1



First American Title

First American Title Company

899 Pacific Street
San Luis Obispo, CA 93401

Sue Carrasco
Charles Ogle, c/o Ogden & Fricks, LLP
656 Santa Rosa St, Ste. 2-B
San Luis Obispo, CA 93401

Customer Reference:

Order Number:

4001-5481484 (MA)

Title Officer:

Phone:

Fax No.:

E-Mail:

Marie Christine Allen

(805)786-2025

(866)397-7092

mcallen@firstam.com

Buyer:

Owner:

Property:

Ogle

Highway 1 Property Trust

Atascadero Road & Hwy 1

Morro Bay, CA

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. **The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.** Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment

First American Title

DISC000025

295 Atascadero Road
CASE NO. CUP19-13 / CDP19-039 / LTM19-06
DATE: December 2019

Order Number: 4001-5481484 (MA)
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First American Title

DISC000026

Order Number: 4001-5481484 (MA)
Page Number: 3

Dated as of June 12, 2017 at 7:30 A.M.

The form of Policy of title insurance contemplated by this report is:

Report Only

A specific request should be made if another form or additional coverage is desired.

Title to said estate or interest at the date hereof is vested in:

Charles P. Ogle, Successor Trustee of the Highway 1 Property Trust, under Declaration of Trust for Charles E. Ogle, dated December 28 2012

The estate or interest in the land hereinafter described or referred to covered by this Report is:

A fee.

The Land referred to herein is described as follows:

(See attached Legal Description)

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

1. Taxes and assessments. Report to follow. Please verify before closing.
2. Covenants, conditions, restrictions and easements in the document recorded May 26, 1918 in Book 123 of Deeds, Page 10, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.
3. Covenants, conditions, restrictions and easements in the document recorded June 6, 1918 in Book 122 of Deeds, Page 145, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California

First American Title

DISC000027

Order Number: 4001-5481484 (MA)
Page Number: 4

Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.

4. Covenants, conditions, restrictions and easements in the document recorded June 12, 1920 in Book 133 of Deeds, Page 153, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.
5. Covenants, conditions, restrictions and easements in the document recorded June 9, 1922 in Book 133 of Deeds, Page 397, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.
6. Covenants, conditions, restrictions and easements in the document recorded September 29, 1920 in Book 133 of Deeds, Page 181, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, sexual orientation, familial status, disability, handicap, national origin, genetic information, gender, gender identity, gender expression, source of income (as defined in California Government Code § 12955 (p)) or ancestry, to the extent such covenants, conditions or restrictions violate 42 U.S.C. § 3604(c), or California Government Code § 12955. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.
7. Easements as contained in the above referenced Covenants Conditions and Restrictions for ingress, egress, utilities and incidental purposes.
8. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded October 22, 1958 as Book 963, Page 318 of Official Records.
9. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded April 16, 1959 as Book 994, Page 201 of Official Records.

First American Title

DISC000028

Order Number: 4001-5481484 (MA)
Page Number: 5

10. An easement for water lines and incidental purposes, recorded November 6, 1961 as Book 1154, Page 320 of Official Records.
In Favor of: County of San Luis Obispo
Affects: portions of Parcels 3 and 4
11. Abutter's rights of ingress and egress to or from Highway 1 have been relinquished in the document recorded November 30, 1961 as Book 1156, Page 145 of Official Records.
12. Abutter's rights of ingress and egress to or from Highway 1 have been relinquished in the document recorded October 4, 1965 as Book 1369, Page 208 of Official Records.
13. Any facts, rights, interests or claims that may exist or arise by reason of matters, if any, disclosed by that certain Record of Survey filed December 24, 1992 in book 69, page 3 .
14. The terms and provisions contained in the document entitled Memorandum of Easement recorded August 20, 2001 as Instrument No. 2001-062660 of Official Records.
15. Rights of the public and any easements which may exist in any portion of said lands which was previously part of a street, road or highway.
16. With respect to the trust referred to in the vesting:
 - a. A certification pursuant to Section 18100.5 of the California Probate Code in a form satisfactory to the Company.
 - b. Copies of those excerpts from the original trust documents and amendments thereto which designate the trustee and confer upon the trustee the power to act in the pending transaction.
 - c. Other requirements which the Company may impose following its review of the material required herein and other information which the Company may require.

First American Title

DISC000029

Order Number: 4001-5481484 (MA)
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INFORMATIONAL NOTES

Note: The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than the certain dollar amount set forth in any applicable arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. If you desire to review the terms of the policy, including any arbitration clause that may be included, contact the office that issued this Commitment or Report to obtain a sample of the policy jacket for the policy that is to be issued in connection with your transaction.

17. This report is preparatory to the issuance of an ALTA Loan Policy. We have no knowledge of any fact which would preclude the issuance of the policy with CLTA endorsement forms 100 and 116 and if applicable, 115 and 116.2 attached, provided a valid notice of completion is recorded in the public records.

When issued, the CLTA endorsement form 116 or 116.2, if applicable will reference a(n) Vacant Land known as Atascadero Road & Hwy 1, Morro Bay, California.

18. According to the public records, there has been no conveyance of the land within a period of twenty-four months prior to the date of this report, except as follows:

None

The map attached, if any, may or may not be a survey of the land depicted hereon. First American expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

First American Title

DISC000030

Order Number: 4001-5481484 (MA)
Page Number: 7



First American Title

First American Title Company
899 Pacific Street
San Luis Obispo, CA 93401
(805)543-8900
Fax - (866)397-7092

WIRE INSTRUCTIONS

for

**First American Title Company, Demand/Draft Sub-Escrow Deposits
San Luis Obispo County, California**

**First American Trust, FSB
5 First American Way
Santa Ana, CA 92707
Banking Services: (877) 600-9473**

**ABA 122241255
Credit to First American Title Company
Account No. 3007180000**

Reference Title Order Number 5481484 and Title Officer Marie Christine Allen

Please wire the day before recording.

First American Title

DISC000031

Order Number: 4001-5481484 (MA)
Page Number: 8

LEGAL DESCRIPTION

Real property in the City of Morro Bay, County of San Luis Obispo, State of California, described as follows:

Real property, City of Morro Bay, County of San Luis Obispo, State of California, more particularly described as:

That portion of lots 9, 10, 11, 12 and 13 in Block 24 and Lots 15, 16 and 17 in Block 27 of Atascadero Beach, according to the Map thereof recorded in Book 2 at Page 15 of Maps, in the office of the County Recorder of San Luis Obispo County, described as follows:

Beginning at a point on the Westerly line of Lot 9 in Block 24, which point bears the following courses and distances from the Northeast corner of said Lot 9 (North 76° 37' 30" East to a point on the East line of said Lot 9, which point bears South 17° 11' East 93.58 feet from the Northeast corner of said Lot 9). Thence North 76° 37' 30" East through Lots 9 and 10 in Block 24 to a point on the East line of said Lot 10, said point also being the Northwest corner of Lot 11 in Block 24, thence Easterly along the Northerly line of said Lot 11, a distance of 35.04 feet, thence South 08° 26' 06" East, on a line running through Lots 11, 12 and 13 in Block 24, a distance of 218.56 feet, to a point on the Westerly line of Lot 13, said point being 79.37 feet Southerly of the Northwesterly corner of Lot 13 (said point is also on the Easterly line of Lot 10) thence Southeasterly along the Easterly line of said Lot 10, to the Southeast corner of said Lot 10 in Block 24 (said point is also being on the Northerly line of Lot 17 in Block 27), thence South 08° 26' 06" East a distance of 40.18 feet, thence South 37° 38' 51" West a distance of 55.05 feet, thence North 79° 50' 59" West a distance of 144.25 feet, thence North 65° 45' 55" West, a distance of 24.33 feet to a point on the Westerly line of Lot 15 in Block 27, thence Northerly along the Westerly line of said Lot 15, a distance of 56.61 feet more or less to the Northwest corner of Lot 15 in Block 27, thence Southeasterly along the Northerly line of Lot 15 in Block 27 (said line also being the Southerly line of Lot 8 in Block 24) to its intersection with the Southwest corner of Lot 9, Block 24, thence Northwesterly along the Westerly line of said Lot 9 in Block 24, a distance of 368.33 feet more or less to the Point of Beginning. (Said land is also shown on that certain Record of Survey recorded December 24, 1992, Book 69 at Page 3 of Record of Surveys).

APN: 65-182-03; 65-182-04; and 66-332-03

APN: 006-332-003 065-728-003, 004

First American Title

DISC000032

Order Number: 4001-5481484 (MA)
Page Number: 9

NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

First American Title

DISC000033

Order Number: 4001-5481484 (MA)
Page Number: 10

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)

CLTA STANDARD COVERAGE POLICY – 1990
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

First American Title

DISC000034

Order Number: 4001-5481484 (MA)
Page Number: 11

CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - c. that result in no loss to You; or
 - d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.
The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	<u>Your Deductible Amount</u>	<u>Our Maximum Dollar Limit of Liability</u>
Covered Risk 16:	1% of Policy Amount Shown in Schedule A or \$2,500 (whichever is less)	\$10,000
Covered Risk 18:	1% of Policy Amount Shown in Schedule A or \$5,000 (whichever is less)	\$25,000
Covered Risk 19:	1% of Policy Amount Shown in Schedule A or \$5,000 (whichever is less)	\$25,000
Covered Risk 21:	1% of Policy Amount Shown in Schedule A or \$2,500 (whichever is less)	\$5,000

2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;

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- (iii) the subdivision of land; or
- (iv) environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.

- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
- 6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

[Except as provided in Schedule B - Part II, [t[or T]his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

[PART I

[The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

- 1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
- 6. Any lien or right to a lien for services, labor or material not shown by the public records.

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:]

2006 ALTA OWNER'S POLICY (06-17-06) EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to

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- (i) the occupancy, use, or enjoyment of the Land;
- (ii) the character, dimensions, or location of any improvement erected on the Land;
- (iii) the subdivision of land; or
- (iv) environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.

- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not known to the Company, not recorded in the Public Records at Date of Policy, but known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 or 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
- 4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
- 5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of: [The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

- 1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
- 6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
- 7. [Variable exceptions such as taxes, easements, CC&R's, etc. shown here.]

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.

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- 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
 6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
 8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
 9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
 10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
 11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

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First American Title

Privacy Information

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information - particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our subsidiaries we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Information Obtained Through Our Web Site

First American Financial Corporation is sensitive to privacy issues on the Internet. We believe it is important you know how we treat the information about you we receive on the Internet.

In general, you can visit First American or its affiliates' Web sites on the World Wide Web without telling us who you are or revealing any information about yourself. Our Web servers collect the domain names, not the e-mail addresses, of visitors. This information is aggregated to measure the number of visits, average time spent on the site, pages viewed and similar information. First American uses this information to measure the use of our site and to develop ideas to improve the content of our site.

There are times, however, when we may need information from you, such as your name and email address. When information is needed, we will use our best efforts to let you know at the time of collection how we will use the personal information. Usually, the personal information we collect is used only by us to respond to your inquiry, process an order or allow you to access specific account/profile information. If you choose to share any personal information with us, we will only use it in accordance with the policies outlined above.

Business Relationships

First American Financial Corporation's site and its affiliates' sites may contain links to other Web sites. While we try to link only to sites that share our high standards and respect for privacy, we are not responsible for the content or the privacy practices employed by other sites.

Cookies

Some of First American's Web sites may make use of "cookie" technology to measure site activity and to customize information to your personal tastes. A cookie is an element of data that a Web site can send to your browser, which may then store the cookie on your hard drive.

FirstAm.com uses stored cookies. The goal of this technology is to better serve you when visiting our site, save you time when you are here and to provide you with a more meaningful and productive Web site experience.

Fair Information Values

Fairness We consider consumer expectations about their privacy in all our businesses. We only offer products and services that assure a favorable balance between consumer benefits and consumer privacy.

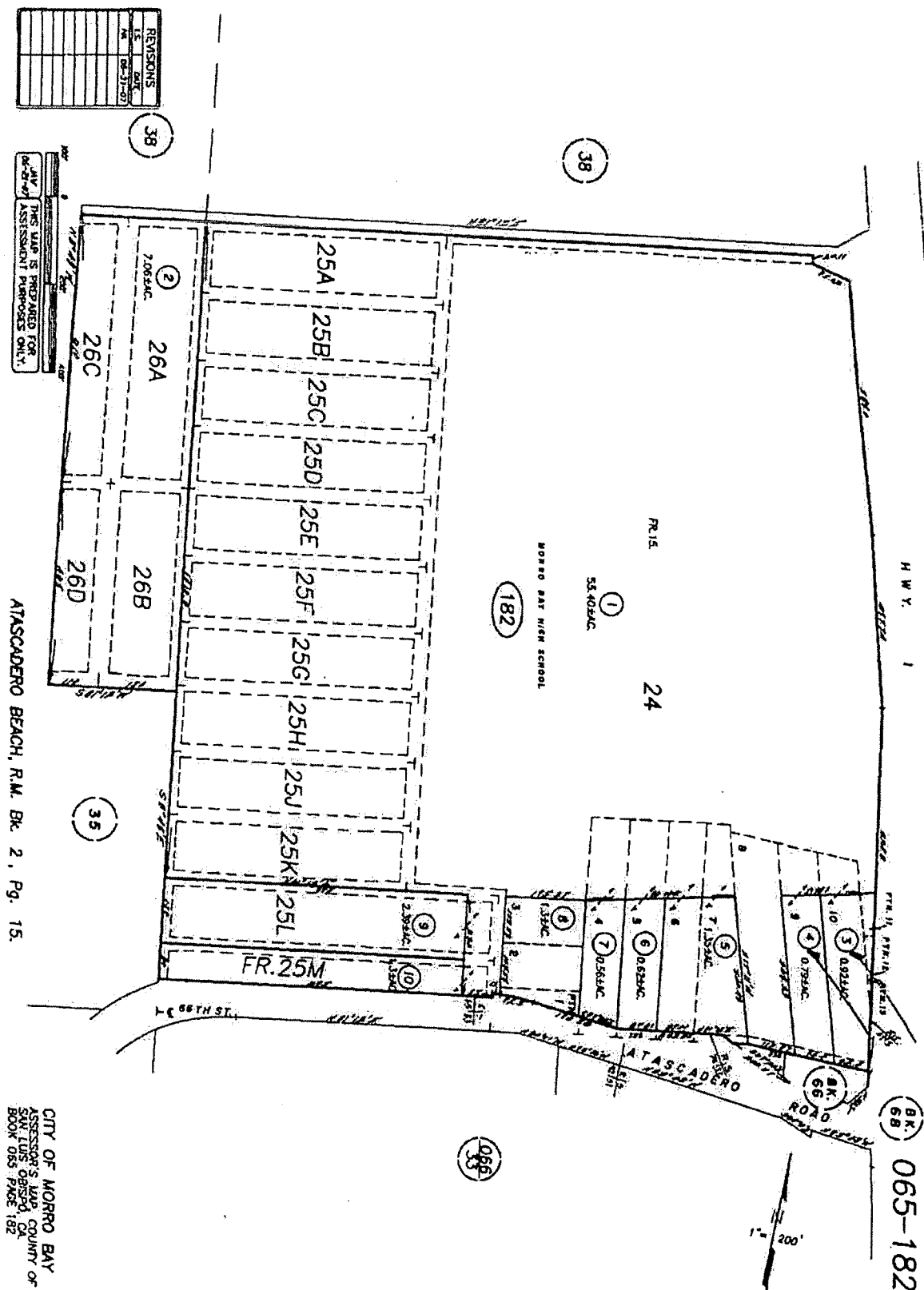
Public Record We believe that an open public record creates significant value for society, enhances consumer choice and creates consumer opportunity. We actively support an open public record and emphasize its importance and contribution to our economy.

Use We believe we should behave responsibly when we use information about a consumer in our business. We will obey the laws governing the collection, use and dissemination of data.

Accuracy We will take reasonable steps to help assure the accuracy of the data we collect, use and disseminate. Where possible, we will take reasonable steps to correct inaccurate information. When, as with the public record, we cannot correct inaccurate information, we will take all reasonable steps to assist consumers in identifying the source of the erroneous data so that the consumer can secure the required corrections.

Education We endeavor to educate the users of our products and services, our employees and others in our industry about the importance of consumer privacy. We will instruct our employees on our fair information values and on the responsible collection and use of data. We will encourage others in our industry to collect and use information in a responsible manner.

Security We will maintain appropriate facilities and systems to protect against unauthorized access to and corruption of the data we maintain.



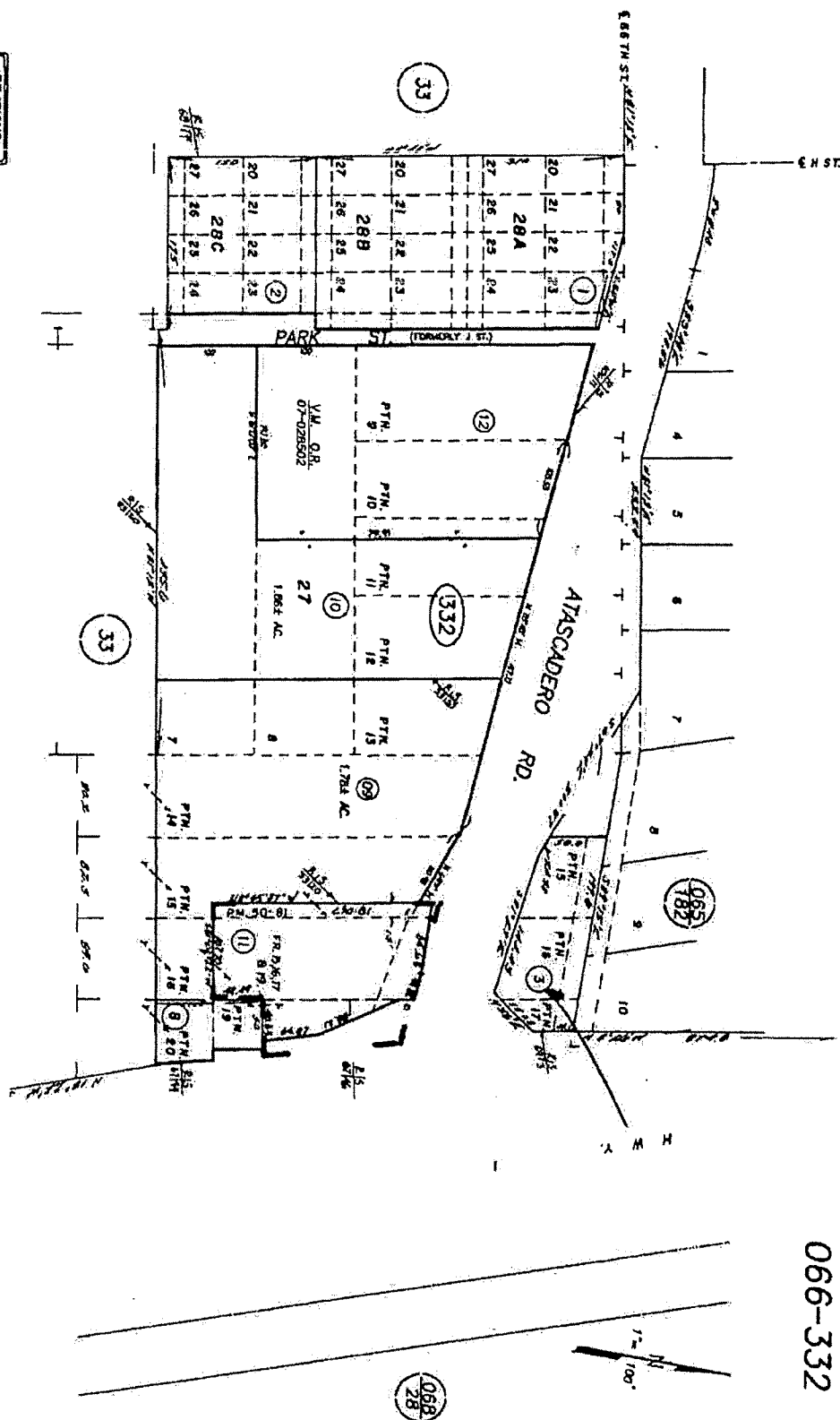
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THIS MAP IS PREPARED FOR
ASSESSMENT PURPOSES ONLY.

ATASCADERO BEACH, R.M. Bk. 2 , Pg. 15.



CITY OF MORRO BAY
ASSESSOR'S MAP COUNTY OF
SAN LUIS OBISPO, CA
BOOK 056 PAGE 532



California Regional Water Quality Control Board

Central Coast Region



Linda S. Adams
Secretary for
Environmental Protection

Internet Address: <http://www.waterboards.ca.gov/centralcoast>
895 Aerovista Place – Suite 101, San Luis Obispo, CA 93401-7906
Phone (805) 549-3147 • FAX (805) 543-0397

Arnold Schwarzenegger
Governor

February 27, 2008

Mr. Charles P. Ogle
Ogle, Merzon, & Kirschner
PO Box 720
Morro Bay, CA 93443-0720

Dear Mr. Ogle:

**UST: 1840 MAIN STREET, MORRO BAY, FORMER SHELL SERVICE STATION;
RESPONSE TO UNDERGROUND STORAGE TANK (UST) CASE CLOSURE
OBJECTION**

Central Coast Regional Water Quality Control Board (Central Coast Water Board) staff has reviewed your February 22, 2008 letter objecting to the proposed UST case closure. You stated that: *"Unless the Regional Board is prepared to state that Mr. Ogle's property is free of all contamination tied to Shell, including additional or previously unidentified contamination, Mr. Ogle objects to case closure."* Thank you for your comment. Shell Oil Company (Shell) has conducted voluntary investigation and cleanup activities and complied with our directives to investigate and cleanup soil and groundwater contamination from the UST case at the subject site. Currently, groundwater monitoring data from an extensive network of monitoring wells show that petroleum hydrocarbons and fuel oxygenates are below laboratory reporting limits and meet our groundwater cleanup goals. Central Coast Water Board staff has determined that, based on available monitoring data, Shell has successfully remediated the gasoline-impacted soil and groundwater and no further investigation or cleanup action is needed for groundwater associated with this UST case, either onsite or offsite.

If you have any questions, please call John Mijares at (805) 549-3696 or e-mail at jmijares@waterboards.ca.gov.

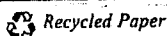
Sincerely,

Roger W. Briggs
Executive Officer

S:\UST\Regulated Sites\San Luis Obispo Co\Morro Bay\1840 Main\ogle objection to case closure response 25feb08.doc

Please see next page for cc list

California Environmental Protection Agency



Mr. Ogle

-2-

February 27, 2008

cc:

Mr. Humayun Ali
Department of Health Services
1180 Eugenia Place, Suite 200
Carpinteria, CA 93013

Mr. G.D. Beckett
AQUI-VER, Inc.
6871 North 2200 West, #8F
Park City, Utah 84098

Ms. Linnea Grossman
San Luis Obispo County
Division of Environmental Health
P.O. Box 1489
San Luis Obispo, CA 93406

Ms. Sara Heikkila
Delta Consultants
911 Primrose Avenue, Suite K
Monrovia, CA 91016

Mr. Joe Lentini
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Mr. Rob Livick
City of Morro Bay
955 Shasta Avenue
Morro Bay, CA 93442

Mr. Steve Senet
Caltrans-Dist. 5, Permits
50 Higuera St.
San Luis Obispo, CA 93401-5415

Mr. Curtis Stanley
Shell Global Solutions, Inc. US
P.O. Box 1380
Houston, TX 77251-1382

California Environmental Protection Agency

Recycled Paper



Amendment to Attachment 1 – Seller Vacant Land Questionnaire

V.8, 37. See also document numbers DISC000042-000053 which were referenced in the original attachment but the attachments were inadvertently omitted.

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
81 Higuera Street, Suite 200
San Luis Obispo, California 93401-5427**

CLEANUP OR ABATEMENT ORDER (CAO) NO. 01-028

Concerning

**Equillon Enterprises LLC / Equiva Services LLC
Owner of a Service Station located at
1840 Main Street
Morro Bay, CA 93442**

The California Regional Water Quality Control Board, Central Coast Region (hereafter Regional Board) finds:

1. Equillon Enterprises, LLC / Equiva Services LLC (hereafter Discharger), has caused or permitted petroleum hydrocarbon constituents to be discharged to ground water of the State of California at 1840 Main Street, Morro Bay (hereafter Property), which has caused or threatens to cause a condition of pollution or nuisance.
2. The Discharger has owned and operated a retail service station at the Property since at least 1989. The Property consists a building, underground storage tanks (UGTs), fuel dispensers, and associated piping.
3. Several subsurface investigations were performed at the Property during the year 2000. Petroleum hydrocarbon constituents detected in soil and ground water beneath the Property include: total petroleum hydrocarbons as gasoline (TPHg) and the fuel additive methyl tertiary-butyl ether (MTBE).
4. The Water Quality Control Plan, Central Coast Region (Basin Plan) provides that "Wastes discharged to ground waters shall be free of toxic substances in excess of accepted drinking water standards; taste, odor, or color producing substances...." (Basin Plan p. V-10.) Concentrations of MTBE in excess of 5 micrograms per liter ($\mu\text{g/l}$) in drinking water supplies cause offensive tastes and odors, making the water unsuitable for drinking. The State of California, Department of Health Services (DHS) has established a secondary maximum contaminant level in drinking water of 5 $\mu\text{g/l}$ and primary maximum contaminant levels in drinking water of 13 $\mu\text{g/l}$ for MTBE.
5. The chemical properties (e.g. pure phase water solubility, vapor pressure, etc.) of gasoline oxygenates (which includes MTBE) indicate an increased water and low retardation solubility for these contaminants in ground water aquifers (State Water Resources Control Board [SWRCB], Final Draft MTBE Guidelines, 1999).

1840 MAIN STREET, MORRO BAY

2

CAO NO. 01-028

6. Pursuant to Chapter 2 of the Basin Plan, present and potential beneficial uses of ground water beneath the site and vicinity areas include domestic and municipal supply, agricultural water supply, and industrial use.
7. The Property is located on the northeast corner of the intersection of Main Street and Atascadero Road in the City of Morro Bay (hereafter City). Highway 1 lies west and adjacent to Main Street. A sanitary sewer line, oriented in a northeast-southwest direction, underlies Main Street, Atascadero Road, and Highway 1 at approximately 25 feet below ground surface. The sanitary sewer is jointly owned by the City and Cayucos Community Service District (District).
8. The City's Lida Keiser municipal wellfield is located approximately 500 feet southwest of the Property. The Lida Keiser wells are currently used as a backup drinking water supply for the City during drought conditions and when State of California purchased water is not available.
9. The Executive Officer's May 3, 1999 letter to the City requested sampling of treatment plant effluent for the fuel additive methyl tertiary-butyl ether (MTBE). During May and June 1999 sampling events, MTBE was detected in effluent at concentrations ranging from 9.7 to 15 micrograms per liter ($\mu\text{g/l}$).
10. From July through October 1999, City staff collected effluent samples from manholes along the sanitary sewer line along Atascadero Road and analyzed for MTBE. MTBE was detected in all of the effluent samples west of the intersection of Main Street and Atascadero Road and in one manhole located east of the intersection. MTBE was not detected at concentrations above the laboratory detection limits in effluent samples collected further east of this manhole.
11. On October 6, 1999, the Executive Officer sent letters to three service station owners located near the intersection of Atascadero Road and Main Street in Morro Bay, requesting each owner to submit an inventory record review and a MTBE investigation work plan by November 6, 1999. The Discharger's consultant submitted the requested information on November 5, 1999. The Executive Officer's December 10, 1999 letter to Discharger concurred with the work plan.
12. In January and February 2000, Discharger's consultant installed temporary wells, collected ground water samples from the temporary wells, and abandoned the temporary wells. As reported in Miller Brooks Environmental Inc.'s (Miller Brooks) March 27, 2000 *Site Assessment Report*, the maximum concentration of MTBE and TPHg in ground water was 76,000 $\mu\text{g/l}$ and 26,000 $\mu\text{g/l}$, respectively, in well MBE-4.
13. In the Executive Officer's March 24, 2000 letter, Discharger was directed to submit a work plan to delineate the MTBE plume in ground water by May 26, 2000. Discharger's consultant, Miller Brooks, submitted a work plan on March 31, 2000. In the Executive Officer's April 18, 2000 letter, the Discharger was directed to implement the work plan and provide a report documenting the field results by June 1, 2000.

DISC000043

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3

CAO NO. 01-028

14. On May 8, 2000, Miller Brooks' installed two ground water monitoring wells. On May 9, 2000, the City stopped the Discharger's field activities pending submittal of an Emergency Coastal Development Permit application required by the City.
15. On June 8, 2000, Discharger, City, Regional Board staff, SWRCB staff, and other interested parties attended a Technical Work Group (TWG) meeting to discuss the scope of an Expedited Site Assessment (ESA). As follow-up, the Regional Board's June 14, 2000 letter to the Discharger directed initiation of an ESA.
16. After approval of the City's Emergency Coastal Development, six ground water monitoring wells were installed. During a June 19, 2000 ground water sampling event, maximum concentrations of TPHg and MTBE were detected in MW-5 at 910 µg/l and 510 µg/l, respectively.
17. In August 2000, Discharger's consultant performed soil profiling in 18 cone penetrometer test (penetrometer) locations and collected multi-depth ground water samples in 16-penetrometer locations. Two onsite and 11 offsite ground water monitoring wells were installed and sampled. Also, a soil vapor extraction test was performed in the area of the existing UGTs. As noted in Miller Brooks' September 27, 2000 *Additional Site Investigation Report*, maximum concentrations of TPHg and MTBE detected in ground water were 96 µg/l and 3,600 µg/l, respectively.
18. As noted in a Miller Brooks' September 27, 2000 *Interim Corrective Action Plan* (ICAP), additional ground water extraction and sentry ground water monitoring wells were proposed. The ICAP details the operation of a dual phase high vacuum extraction system concurrent with ground water extraction. Extracted ground water would be treated using granular activated carbon, then discharged to either the City's sanitary sewer in accordance with a City Discharge Permit and/or storm drain in accordance with a National Pollutant Discharge Elimination System (NPDES) Permit issued by the Regional Board. On September 27 and October 10, 2000, the Discharger submitted a NPDES permit application and supplemental information to the Regional Board.
19. On October 27, 2000, the Regional Board authorized the discharge under NPDES General Permit No. 96-04 for low threat with the provision "Discharge to the storm drain is permitted only as a last resort. Before discharging, the Discharger must demonstrate to the satisfaction of the Executive Officer that other alternatives, including disposal to the City sewer, are infeasible."
20. On November 8, 2000, The Executive Officer's letter to Discharger concurred with the ICAP.
21. On December 28, 2000, the City issued a permit for discharge to the Sanitary Sewer.

1840 MAIN STREET, MORRO BAY

4

CAO NO. 01-028

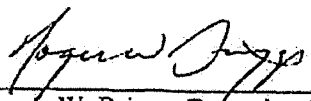
22. This enforcement action is being taken for the protection of the environment and as such is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21000, et seq.) in accordance with Sections 15307 and 15308, Chapter 3, Title 14, California Code of Regulations.

IT IS HEREBY ORDERED, pursuant to Sections 13304 and 13267 of the Porter-Cologne Water Quality Control Act, Equillon Enterprises LLC / Equiva Services LLC and its' successors, agents, or assigns, shall clean up soil and ground water degraded by the discharge of petroleum hydrocarbons described above, as follows:

1. By February 12, 2001, the Discharger shall begin operation and continuously operate the ground water extraction and treatment system in accordance with Miller Brooks' September 27, 2000 ICAP, the Executive Officer's November 8, 2000 letter, and the Miller Brooks' December 4, 2000 response.
2. The Discharger shall comply with a Monitoring and Reporting Program issued by the Executive Officer and any revisions thereof.
3. The Discharger shall provide monthly progress reports by the 15th working day of the following calendar month (e.g., January 2001 report is due by February 15, 2001). The report shall include the monthly ground water sampling results and treatment system operation in accordance with Miller Brooks' September 27, 2000 ICAP. The report shall discuss progress of cleanup to achieve water quality objectives (e.g., TPHg, MTBE, TBA, and other pollutants as determined by the Executive Officer).

All technical and monitoring reports (including progress and final reports) required in conjunction with this order are required pursuant to Section 13267 of the Porter-Cologne Water Quality Control Act and shall include a statement by the Discharger certifying under penalty of perjury under the laws of the State of California that the report is true, complete, and accurate. Hydrogeological reports and plans shall be prepared by, or under the direct supervision of, and signed and stamped by a Registered Geologist and or an appropriately Registered Engineer.

FAILURE TO COMPLY WITH THE PROVISIONS OF THIS ORDER MAY SUBJECT YOU TO FURTHER ENFORCEMENT ACTION, INCLUDING BUT NOT LIMITED TO, ASSESSMENT OF CIVIL LIABILITY UNDER SECTIONS 13268 AND 13350 OF THE PORTER-COLOGNE WATER QUALITY CONTROL ACT AND REFERRAL TO THE DISTRICT ATTORNEY OR ATTORNEY GENERAL FOR INJUNCTIVE RELIEF AND CIVIL OR CRIMINAL LIABILITY.



Roger W. Briggs, Executive Officer

1-13-01
Date:

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California Regional Water Quality Control Board Central Coast Region



Linda S. Adams
Secretary for
Environmental Protection

Internet Address: <http://www.waterboards.ca.gov/centralcoast>
895 Acrovista Place – Suite 101, San Luis Obispo, CA 93401-7906
Phone (805) 549-3147 • FAX (805) 543-0397

Arnold Schwarzenegger
Governor

September 26, 2008

Mr. Joe Lentini
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810
joseph.lentini@shell.com

UST: 1840 MAIN STREET, MORRO BAY, SAN LUIS OBISPO COUNTY, FORMER SHELL SERVICE STATION; CASE CLOSURE TRANSMITTAL

Central Coast Regional Water Quality Control Board (Central Coast Water Board) staff has reviewed the September 4, 2008 *Monitoring Well Destruction Report*, which documents the destruction of sixty-eight groundwater monitoring wells. You have complied with all requirements of Cleanup or Abatement Order (CAO) No. 01-028. The Central Coast Water Board Executive Officer hereby rescinds CAO No. 01-028. You have met all requirements for case closure. This case is now closed as certified by the enclosed Case Closure letter.

This concludes the Water Board's regulatory oversight for the investigation and cleanup of the former release. This letter does not relieve you of other agency's requirements, which may continue to have jurisdiction or require further work. As with any real property, additional or previously unidentified contamination at the site may require additional investigation and cleanup.

If you have questions regarding this matter, please call John Millares at 805-549-3696 or email at jmillares@waterboards.ca.gov.

Sincerely,

Roger W. Briggs
Executive Officer

S:\UST\Regulated Sites\San Luis Obispo Co\Morro Bay\1840 Main\Ventini final case closure transmittal ltr 16sep08.doc

Enclosure: Case Closure letter
Closure Summary

cc: see next page

California Environmental Protection Agency



DISC000046

Mr. Lentini

- 2 -

September 26, 2008

cc:

Mr. Mike Ali
California Department of Public Health
Drinking Water Program
Mike.ali@cdph.ca.gov

Mr. Gary Beckett,
Aqui-Ver, Inc.
g.d.beckett@aquiver.com

Mr. Everett Ferguson
Waterstone Environmental, Inc.
eferguson@waterstone-env.com

Ms. Linnea Grossman
San Luis Obispo County Environmental Health Services
lgrossman@co.slo.ca.us

Ms. Sara Heikkila
Delta Consultants
sheikkila@deltaenv.com

Mr. Mike Prater
City of Morro Bay
mprater@morro-bay.ca.us

Mr. Curt Stanley
Shell Global Solutions, Inc., US
curtis.stanley@shell.com

Mr. Allan Stewart
Property owner
astewart@customvisuals.com

California Environmental Protection Agency

Recycled Paper



CASE CLOSURE SUMMARY

Leaking Underground Fuel Storage Tank Program

I. Agency Information

Agency Name: Central Coast Water Board	Address: 895 Aerovista Place, Suite 101
City/State/Zip: San Luis Obispo, CA 93401-7906	Phone: (805) 549-3696
Responsible Staff person: John Mijares	Title: Water Resources Control Engineer

II. Case Information

Site Facility Name: FORMER SHELL-BRANDED SERVICE STATION		Water Board Case No. 3261
Site Facility Address: 1840 MAIN STREET, MORRO BAY, CALIFORNIA		
Responsible Parties	Address	Phone Number
SHELL OIL PRODUCTS US- JOE LENTINI	20945 SOUTH WILMINGTON AVENUE, CARSON, CA 90810	(310) 378-0649
Property Owner		
CITICOM DEVELOPMENT- ALLEN STEWARD	1257 W. COLTON AVENUE, REDLANDS, CA 92374	(909) 335-0333

III. Tank Information

Tank #	Size In Gallons	Contents	Closed In Place/Removed	Date
1	12,000	GASOLINE	REMOVED	1/2002
2	12,000	GASOLINE	REMOVED	1/2002
3	12,000	GASOLINE	REMOVED	1/2002
4	550	WASTE OIL	REMOVED	1/2002

IV. Release and Site Characterization Information

Cause and Type of Release: POTENTIAL OVERFILLS & VAPOR RELEASES- USTs AND FUEL DISPENSER ISLAND		
Site Characterization Complete? YES	Date Approved by Oversight Agency:	
Monitoring Wells Installed? YES	Number: 67	Proper Screened Interval? YES
Highest GW Depth Below Ground Surface: 5.9 ft	Lowest: 29.1ft	Flow Direction: SOUTHWEST
Most Sensitive Current GW Use: MORRO BASIN WELL FIELD- GROUNDWATER PRODUCTION WELLS		
Are Drinking Water Wells Affected? NO	Hydrologic Unit: 310.21: MORRO BASIN	
Is Surface Water Affected? NO	Nearest Surface Water: MORRO CREEK	
Off-site Beneficial Use Impacts (addresses/locations): NONE		

CASE CLOSURE SUMMARY

Leaking Underground Storage Tank Program

Page 2

V. Treatment/Disposal Methods (Attach any additional information)

Material	Amount (Include Units)	Action (Treatment or Disposal Method)	Date
Tanks	4 TANKS	REMOVED	1/2002
Piping	100 FEET	REMOVED	1/2002
Free Product	N/A	-	-
Soil	N/A	SEE BELOW ¹	1/2002
Ground Water	25,883,063 GALLONS	TREATMENT & DISPOSAL (SEE BELOW ^{2,3})	

Maximum Documented Contaminant Concentrations—Before and After Cleanup

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	15		26,000	ND<50	1,2-DCA				
TPH (Diesel)	N/A		N/A	N/A	Oil & Grease				
Benzene	ND		5.2	ND<0.5	Lead				
Toluene	0.031		6.9	ND<0.5	MTBE	19		76,000	ND<2
Ethylbenzene	0.085		2.4	ND<0.5	TBA	1.9		160	ND<20
Xylenes	0.15		10	ND<1.5	Other				

Comments:

1 GROUNDWATER IMPACTS BELIEVED TO BE THE RESULT OF OVERFILLS AND VAPOR RELEASE (MINOR SOIL IMPACTS THAT WERE REMEDIATED BY SVE AND OTHER ACTIVITIES).

2 TREATED WATER CONSISTED OF 24,814,711 GALLONS FROM THE GROUNDWATER TREATMENT SYSTEM, 616,826 GALLONS FROM THE INTERIM GROUNDWATER TREATMENT SYSTEM, 416,540 GALLONS FROM THE INTERIM DOWNGRADE GROUNDWATER TREATMENT SYSTEM, AND 32,999 GALLONS FROM PURGE WATER DISPOSED OF OFF-SITE.

3 TOTAL GALLONS OF TREATED AND DISPOSED GROUNDWATER IS CALCULATED USING MBE's TOTAL (25,881,076 GALLONS) AND GALLONS OF GROUNDWATER (1,987 GALLONS) PURGED DURING QUARTERLY GROUNDWATER SAMPLING EVENTS SUBSEQUENT TO MBE.

VI. Closure

Does completed corrective action protect existing beneficial uses per the Basin Plan? YES		
Does completed corrective action protect potential beneficial uses per the Basin Plan? YES		
Does corrective action protect public health for current land use? YES		
Site Management Requirements: NONE		
Should corrective action be reviewed if land use changes? NO		
Monitoring Wells Destroyed? YES	Number Destroyed: 68	Number Retained: 0

CASE CLOSURE SUMMARY
Leaking Underground Storage Tank Program

Page 3

List Enforcement Actions Taken: CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD CLEANUP AND ABATEMENT ORDER (CAO) NO. 01-028

List Enforcement Actions Rescinded: The Executive Officer of the Central Coast Regional Water Quality Control Board rescinds the CAO at this UST case closure.

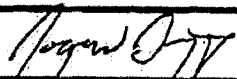
VII. Local Agency Representative Data

Agency: CITY OF MORRO BAY PUBLIC SERVICES	Address: 955 SHASTA STREET
City/State/Zip: MORRO BAY, CA 93442	Phone: (805) 772-6569
Responsible Staff Person: ROB LIVICK	Title: CITY ENGINEER

VIII. Additional Comments

SHELL'S ONGOING EFFORTS HAVE BEEN CONDUCTED IN PARTNERSHIP WITH THE CITY OF MORRO BAY

IX. Regional Board Certification

Signature of Executive Officer 	Date: 9-26-08
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CASE CLOSURE SUMMARY
Leaking Underground Storage Tank Program

Page 4

X. Additional Information (to be attached to this report)

1. Listing of Reports

Please include a list of all investigative reports, including reports prepared for financial institutions such as Phase I Environmental Assessments, all monitoring data, corrective action alternatives analyses, and other consultant reports. If a report on the list has not been previously submitted to the Regional Board, please submit the report with this form.

On or attached to the list must be the following statement, with the dated signature of the responsible party or his agent:

"I attest, under penalty of perjury, in accordance with Water Code section 13267, the following documents constitute the complete list of documents pertaining to waste discharged, hydrogeology and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site."

The following items are optional as applicable to the review of the site for closure:

2. Extent of Soil Contamination

- a) Maps showing the extent of soil degradation by chemicals of concern in excess of guidelines, before and after remediation.
- b) Geologic log of the most highly degraded soil boring or monitoring well showing sample points with a list of contaminant concentrations.
- c) Summary table of all historic soil sampling results.

3. Extent of Ground Water Contamination

- a) Maps showing the extent of ground water degradation in excess of detection limits for chemicals of concern, before and after remediation.
- b) Geologic logs, including construction, for all wells.
- c) Representative geologic log identifying all aquifers.
- d) Two intersecting cross-sections of the site.
- e) Summary table of all historic ground water analyses and water levels.

PROJECT NAME: SHELL-BRANDED SERVICE STATION		SITE LOCATION: 1840 MAIN STREET MORRO BAY, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBIL B61	DRILL CREW:	DATE DRILLED: APRIL 19, 2001
DRILLING METHOD: HOLLOW-STEM AUGER		BORING DIAMETER (IN): 10	TOTAL DEPTH OF BORING (FT): 45.0
SAMPLING METHOD: SPLIT-SPOON		HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30
		LOGGED BY: T.OVERTURF	REVIEWED BY: K. ANDREWS-HUGHES

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0							FILL
						CL	CLAY: very dark gray (10YR 3/1), soft, moist, medium plasticity, 5% coarse sand, trace gravel.
5			4,5,6	NM			Becomes stiff.
			5,5,6			CL	CLAY: brown (10YR 4/3), mottled, stiff, moist, high plasticity.
			4,5,6	0.0		CL	CLAY: dark yellowish brown (10YR 3/4), stiff, moist, high plasticity.
10			4,5,5				
			3,3,4			CL	SANDY CLAY: dark yellowish brown (10YR 3/4), soft, saturated, 10% coarse sand, trace silt.
			3,3,4			CL ML	CLAY: dark yellowish brown (10YR 3/4), soft to firm, moist, high plasticity.
			3,3,3	0.0		ML	SILT: dark yellowish brown (10YR 3/4), medium stiff, saturated.
15			5,7,7				
			7,9,11			CL	SILTY CLAY: dark yellowish brown (10YR 3/4), very stiff, moist, medium plasticity, 5% gravel, 5-20 mm, subrounded to rounded.
20			8,11,15	0.0			
			6,8,11			CL ML	SILTY CLAY: dark yellowish brown (10YR 3/4), very stiff, moist, medium plasticity, trace gravel, 5 mm, subrounded and rounded.
			9,11,7			SM	SILTY SAND: dark yellowish brown (10YR 4/4), medium dense, saturated, 85% fine sand, 15% silt.
			5,6,8	0.0		CL	GRAVELLY CLAY: dark yellowish brown (10YR 4/4), very stiff, saturated, 60% clay, 35% gravel, 5-30 mm, subangular, 5% coarse sand.
25			7,8,10				
			9,11,14			SM	SAND: brown (10YR 4/3), medium dense, 95% medium to coarse sand, subrounded to subangular, 5% silt.
			5,7,8			CL	SILTY CLAY: dark yellowish brown (10YR 4/4), mottled, stiff, moist, low plasticity.
30			3,4,4				
			4,4,6	0.0		SM	SAND: brown (10YR 4/3), saturated, 90% fine sand, 10% silt.
			3,4,5			CL	GRAVELLY CLAY: olive brown (2.5YR 4/3), saturated, 50% clay, 40% gravel, 5-25 mm, subrounded, 10% coarse sand.
			5,9,11			CL	SAND: brown (10YR 4/3), loose, saturated, 90% fine sand, 10% silt.
35			6,9,10			CL	GRAVELLY CLAY: olive brown (2.5YR 4/3), saturated, 50% clay, 40% gravel, 5-25 mm, subrounded, 10% coarse sand.
			6,7,9			SM	SAND: brown (10YR 4/3), medium dense, saturated, 90% fine sand, 10% silt.
			9,11,11			CL	GRAVELLY CLAY: olive brown (2.5YR 4/3), very stiff to stiff, saturated, 50% clay, 40% gravel, 5-25 mm, subrounded, 10% coarse sand.
40							

NOTES:
 = sample interval
 = laboratory sample
 = groundwater observed
PID = photoionization detector
NM = not measured
NA = not applicable
ppm = parts per million



Kathleen M. Andrews Hughes
KATHLEEN M. ANDREWS-HUGHES, R.G. 6086

LOG OF BORING MW-22

PROJECT NUMBER 155-0039-03

PAGE 1 OF 2

PROJECT NAME: SHELL-BRANDED SERVICE STATION				SITE LOCATION: 1840 MAIN STREET MORRO BAY, CALIFORNIA			
DRILLING COMPANY: GREGG DRILLING		DRILL RIG: MOBIL B61		DRILL CREW:		DATE DRILLED: APRIL 19, 2001	
DRILLING METHOD: HOLLOW-STEM AUGER		BORING DIAMETER (IN): 10		TOTAL DEPTH OF BORING (FT): 45.0		LOGGED BY: T.OVERTURF	
SAMPLING METHOD: SPLIT-SPOON		HAMMER WEIGHT (LBS): 140		HAMMER DROP (IN): 30		REVIEWED BY: K. ANDREWS-HUGHES	

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
40			Not recorded 6,7,7			CL	GRAVELLY CLAY: olive brown (2.5YR 4/3), saturated, 50% clay, 40% gravel, 5-25 mm, subrounded, 10% coarse sand. (continued)
			7,11,14			GC	Weathered BEDROCK: medium dense to very dense, relict granular texture
45			50/3"				<p>Hand augered to 5.0 feet below ground surface. Groundwater observed at 11.5 feet below ground surface. Boring terminated at 45.0 feet below ground surface.</p>
45							
50							
55							
60							
65							
70							
75							
80							

NOTES: <div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></div> = sample interval <div style="background-color: black; width: 15px; height: 10px; display: inline-block;"></div> = laboratory sample </div> <div> <div style="text-align: center;">▼</div> = groundwater observed PID = photolionization detector </div> <div> NM = not measured NA = not applicable ppm = parts per million </div> </div>	 MILLER BROOKS <i>Environmental, Inc.</i>
<div style="text-align: center;"> KATHLEEN M. ANDREWS-HUGHES, R.G. 6086 </div>	LOG OF BORING MW-22 <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>PROJECT NUMBER 155-0039-03</div> <div>PAGE 2 OF 2</div> </div>

LOG OF BORING MW-22 SHELLMB.GPJ MBE.GDT 5/18/01

PROJECT NAME: December 2019		SITE LOCATION:	
SHELL-BRANDED SERVICE STATION		1840 MAIN STREET MORRO BAY, CALIFORNIA	
DRILLING COMPANY:	DRILL RIG:	DRILL CREW:	DATE DRILLED:
GREGG DRILLING	MOBIL B61	DON, JIM, GERARDO	APRIL 23, 2001
DRILLING METHOD:	BORING DIAMETER (IN):	TOTAL DEPTH OF BORING (FT):	LOGGED BY:
HOLLOW-STEM AUGER	10	50.5	S. LONDON
SAMPLING METHOD:	HAMMER WEIGHT (LBS):	HAMMER DROP (IN):	REVIEWED BY:
SPLIT-SPOON	140	30	K. ANDREWS-HUGHES

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	USCS	SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								SILTY SAND: dark olive brown (2.5YR 3/3), loose, damp, fine-grained, with gravel up to 0.5-inch long.
5			4,6,6	0				SILTY CLAY: very dark gray (2.5YR 3/1), soft to stiff, moist, trace coarse-grained sand and fine gravel.
			3,3,3	0				CLAYEY SILT: very dark gray (2.5YR 3/1), medium stiff, moist to saturated, increasing sand content with depth.
			3,4,7	0				CLAYEY SAND: very dark grayish brown (10YR 3/2), medium dense, saturated, fine-grained, some silt, trace coarse-grained sand and gravel.
10			5,6,6	0				SILTY CLAY: very dark grayish brown (10YR 3/2), stiff, moist, medium plasticity.
			4,5,5	0				CLAYEY SILT/SILTY CLAY: olive brown (2.5YR 4/3), stiff, moist, low to medium plasticity.
			5,5,6	0				SILTY CLAY: olive brown (2.5YR 4/3), stiff, moist, medium plasticity, increasing moisture content with depth.
15			4,5,5	0				
			3,4,5	0				SANDY CLAY: very dark grayish brown (2.5YR 3/2), soft, saturated, fine-grained sand, medium plasticity.
			6,7,10	0				CLAYEY SAND: very dark grayish brown (2.5YR 3/2), loose, saturated, fine-grained, some silt.
20			6,8,10	0				SILTY SAND: dark olive brown (2.5YR 3/3), medium dense, saturated, fine-grained.
			5,7,10	0				Dark yellowish brown (10YR 4/1) at 18.5 feet.
			6,9,9	0				CLAYEY SILT: dark yellowish brown (10YR 4/4), very stiff, damp to moist.
			6,7,8	0				
25			6,7,7	0				CLAYEY GRAVEL: olive brown (2.5YR 4/4), medium dense, moist, with fine-grained sand, subrounded gravel up to 2-inch long.
			7,9,7	0				SAND: dark olive gray (5YR 3/2), medium dense, saturated, predominantly medium-to-coarse grained, well-graded, trace silt, subrounded grains, increasing grain size with depth.
30			7,9,12	0				
			6,8,8	0				CLAYEY SAND: olive (5YR 4/3), medium dense, moist to saturated, fine-to-medium grained sand, trace subrounded gravel up to 1-inch long.
			6,9,14	0				SILTY SAND: olive (5YR 4/3), medium dense, saturated, medium-grained.
35			7,9,8	0				SAND: dark olive gray (5YR 3/2), medium dense, saturated, fine-to-coarse grained, well graded, subrounded, flat grains, trace fine gravel.
			8,10,13	0				Increasing gravel content, increasing grain size, trace silt and clay.
			4,15,29	0				GRAVELLY CLAY: dark olive gray (5YR 3/2), stiff to very stiff, moist, with medium-grained sand and silt.
40			6,7,8	0				
			5,6,7	0				SILT: olive (5YR 5/4), soft, saturated.
			9,14,21	0				CLAYEY SAND: olive (5YR 5/4), medium dense, saturated, fine-grained, trace subrounded gravel up to 0.75-inch long.

NOTES:

□ = sample interval
■ = laboratory sample

▼ = groundwater observed
PID = photoionization detector

NM = not measured
NA = not applicable
ppm = parts per million



LOG OF BORING MW-23

PROJECT NUMBER 155-0039-03

PAGE 3 OF 2

Kathleen M. Andrews-Hughes
KATHLEEN M. ANDREWS-HUGHES, R.G. 6086
CITY OF MORRO BAY

LOG OF BORING SHELLMB GPJ MBE.GDT 5/29/01

PROJECT NAME: SHELL-BRANDED SERVICE STATION		SITE LOCATION: 1840 MAIN STREET MORRO BAY, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBIL B61	DRILL CREW: DON, JIM, GERARDO	DATE DRILLED: APRIL 23, 2001
DRILLING METHOD: HOLLOW-STEM AUGER		BORING DIAMETER (IN): 10	TOTAL DEPTH OF BORING (FT): 50.5
SAMPLING METHOD: SPLIT-SPOON		HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30
		LOGGED BY: S. LONDON	REVIEWED BY: K. ANDREWS-HUGHES

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
45			14,17,21	0			GRAVELLY CLAY: dark yellowish brown (10YR 4/4), hard, moist to saturated, with medium-to-coarse grained sand, rounded gravel up to 2-inch in diameter.
			9,15,22	0			CLAYEY GRAVEL: dark yellowish brown (10YR 4/4), dense, damp to moist, with medium-to-coarse grained sand, rounded gravel up to 2-inch diameter, some gravel highly weathered and friable.
			8,13,19	0			
			14,19,25	0			
50			11,19,25	0			
			50/6"				Weathered BEDROCK: brown (10YR 4/3), very dense Hand augered to 5.0 feet below ground surface. Groundwater observed at 8 feet below ground surface. Boring terminated at 50.5 feet below ground surface.
55							
60							
65							
70							
75							
80							
85							

LOG OF BORING SHELL MB GPJ MBE GDT 5/29/01

NOTES:

□ = sample interval
■ = laboratory sample

▼ = groundwater observed
PID = photoionization detector

NM = not measured
NA = not applicable
ppm = parts per million



LOG OF BORING MW-23

Kathleen M. Andrews Hughes
KATHLEEN M. ANDREWS-HUGHES, R.G. 6086

PROJECT NUMBER 155-0039-03

PAGE 2 OF 2

CITY OF MORRO BAY

932

PROJECT NAME: SHELL-BRANDED SERVICE STATION				SITE LOCATION: 1840 MAIN STREET, MORRO BAY, CALIFORNIA			
DRILLING COMPANY: GREGG DRILLING		DRILL RIG: MOBILE B61		DRILL CREW: DON, JIM		DATE DRILLED: JULY 9, 2001	
DRILLING METHOD: HOLLOW-STEM AUGER		BORING DIAMETER (IN): 6.5/12		TOTAL DEPTH OF BORING (FT): 53.3		LOGGED BY: S. LONDON	
SAMPLING METHOD: SPLIT-SPOON		HAMMER WEIGHT (LBS): 140		HAMMER DROP (IN): 18		REVIEWED BY: E. FERGUSON	

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0						SM	SILTY SAND: dark reddish brown (5YR 3/3), loose, damp to moist, fine-grained sand, with 10% gravel up to 0.5 inches long.
5		4,6,6	0.0			ML	CLAYEY SILT: very dark brown (7.5YR 2.5/2), medium stiff, moist, trace coarse-grained sand and fine gravel.
		2,2,2	0.0			SC	CLAYEY SAND: brown (10YR 4/3), soft, saturated at 7 feet below ground surface, fine-grained sand.
		4,5,7	0.0			CL	SANDY CLAY: brown (10YR 4/3), medium stiff, wet to moist, fine-grained sand.
10		5,5,7	0.0			CL ML	CLAYEY SILT/ SILTY CLAY: dark yellowish brown (10YR 3/6), stiff, moist, low to medium plasticity.
		5,6,8	0.0			CL	
		6,9,11	0.0			CL	
		7,9,11	0.0			CL	CLAY: dark brown (10YR 3/3), medium stiff, wet, medium plasticity.
15		7,11,15	0.0			CL	SILTY CLAY: very dark grayish brown (10YR 3/2), stiff, moist, medium plasticity.
		7,8,8	0.0			SM	SILTY SAND: very dark brown (7.5YR 2.5/2), medium dense, saturated, fine-grained sand.
		8,10,13	0.0			ML	CLAYEY SILT: brown (7.5YR 4/3), stiff, damp to moist, low plasticity.
20		7,10,13	0.0				
		9,14,17	0.0			CL	SILTY CLAY: brown (7.5YR 4/4), very stiff, moist, medium plasticity, with 5% fine gravel.
		7,9,14	0.0			CL	SANDY CLAY: dark yellowish brown (10YR 4/4), stiff, moist, medium plasticity.
25		7,9,10	0.0			ML	SANDY SILT: dark yellowish brown (10YR 4/4), medium stiff, moist to wet, some clay, fine-grained sand.
		6,8,11	0.0			SM	SILTY SAND: dark brown (10YR 3/3), medium dense, saturated, fine-grained.
		7,9,12	0.0			SP	SAND: dark yellowish brown (10YR 4/4), medium dense, saturated, fine-grained.
30		5,9,14	0.0			SM	SILTY SAND: dark yellowish brown (10YR 4/4), loose to medium dense, saturated, fine- to medium-grained sand, with clay and fine gravel from 29 to 29.5 feet below ground surface.
		5,5,6	0.0			SP	SAND: very dark grayish brown (10YR 3/2), loose, saturated, fine- to medium-grained.
		5,6,7	0.0			ML	SANDY SILT: dark yellowish brown (10YR 4/6), medium stiff, moist, fine-grained sand.
		6,7,9	0.0			SM	SILTY SAND: dark brown (10YR 3/3), loose, saturated, fine-grained sand.
35		5,5,6	0.0			ML	
		5,6,8	0.0			CL	SANDY SILT: dark yellowish (10YR 4/4), medium stiff, saturated, fine-grained sand, trace clay, increasing clay with depth.
		6,7,7	0.0				SANDY CLAY: dark yellowish brown (10YR 4/4), stiff, moist, fine-grained sand. At 38 feet below ground surface, strong brown, medium plasticity.
40		6,7,9	0.0				

LOG OF BORING: LBY SHELLMB.GPJ MBE.GDT 10/18/01

NOTES:

□ = sample interval
■ = laboratory sample

▼ = groundwater observed
PID = photoionization detector

NM = not measured
NA = not applicable
ppm = parts per million



LOG OF BORING MW-24C

PROJECT NUMBER 155-0039-03

PAGE 933 OF 2

EVERETT FERGUSON JR., R.G. 7159

PROJECT NAME: SHELL-BRANDED SERVICE STATION		SITE LOCATION: 1840 MAIN STREET, MORRO BAY, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: DON, JIM	DATE DRILLED: JULY 9, 2001
DRILLING METHOD: HOLLOW-STEM AUGER		BORING DIAMETER (IN): 6.5/12	TOTAL DEPTH OF BORING (FT): 53.3
SAMPLING METHOD: SPLIT-SPOON		HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 18
		LOGGED BY: S. LONDON	
		REVIEWED BY: E. FERGUSON	

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
40			5,6,6	0.0		SC	CLAYEY SAND: brown (10YR 4/3), medium dense, saturated, fine-grained sand, increasing clay content with depth.
			7,12,15			CL	SILTY CLAY: yellowish brown (10YR 5/4), very stiff, damp, with trace gravel up to 0.5 inches long.
			9,15,26	0.0		SM	SILTY SAND: dark yellowish brown (10YR 4/3), medium dense, wet to saturated, fine-grained sand.
45			13,17,18	0.0		SM	Saturated, sand becomes medium- to coarse-grained, trace clay, trace gravel up to 0.25 inches long.
			12,16,19			GC	Brown (10YR 4/3), sand becomes fine- to medium-grained, trace gravel up to 0.5 inches long.
			13,15,21	0.0		ML	Dark yellowish brown (10YR 4/4), fine-grained sand, trace subangular gravel up to 0.75 inches long, trace clay.
50			7,9,11			SM	CLAYEY GRAVEL: dark brown (10YR 3/3), dense to medium dense, moist to wet, gravel up to 1-inch long, angular to subangular, weathered gravel.
			14,17,23	0.0		ML	CLAYEY SILT: dark yellowish brown (10YR 4/4), stiff, moist to wet, trace fine-grained sand.
			70(4")			SM	SILTY SAND: dark brown (7.5YR 3/2), dense, saturated, fine-grained sand.
						SM	SILT: olive brown (2.5Y 4/4), stiff, moist, low plasticity.
						GC	SILTY SAND: dark yellowish brown (10YR 4/4), medium dense, wet to saturated, fine- to medium-grained sand, with 10% gravel up to 0.5 inches long.
55							Weathered bedrock: grayish brown (10YR 5/2), very dense, dry.
							Groundwater observed at 7 feet below ground surface.
							Boring terminated at 53.25 feet below ground surface.
60							
65							
70							
75							
80							

NOTES:

= sample interval
 = laboratory sample

= groundwater observed
PID = photoionization detector

NM = not measured
NA = not applicable
ppm = parts per million



LOG OF BORING MW-24C

PROJECT NUMBER 155-0039-03

PAGE 2 OF 2

LOG OF BORING BY SHELL MB GPJ MBE GDT 10/18/01

EVERETT FERGUSON JR., R.G. 7159

APPENDIX C

PHOTOLOG



Photo #1 View of the Site from the northwest corner, facing southeast.



Photo #2 View of the Site from the southeast corner and parking adjacent to the north, facing northwest.



Photo #3 View of the southeast corner of the Site and pole-mounted transformer, facing northwest.



Photo #4 View of the Site from the south end, facing north.



Photo #5 View of the hotel to the south across Atascadero Road, facing south.



Photo #6 View of the south end of the Site and the Highway 1 off ramp to the east, facing northeast.

APPENDIX D

QUALIFICATIONS



ELLIOT R. HARO

Principal Scientist

Mr. Haro is the founding principal of Haro Environmental, Inc. With over 14 years of experience in the environmental field, Mr. Haro has directed, managed and performed environmental site assessments and remediation activities. Mr. Haro's project management experience includes proposal and cost estimate preparation for site assessments and remediation projects, design of soil and groundwater remediation systems, in-house staff and subcontractor coordination, technical report preparation, and permit acquisition. Mr. Haro has managed and performed numerous Phase I and Phase II Environmental Site Assessments (ESAs) as well as site investigation and remediation field activities including air, soil, groundwater, and surface water sampling, groundwater monitoring well installations, and remediation system operations and maintenance. He has prepared various environmental reports including site assessment reports, feasibility studies, remedial/corrective action plans, remedial work plans and health-based risk evaluations. Mr. Haro is familiar with the regulatory process and has consulted with both local and regional agencies on Client's behalf for work plan approvals and modifications. Mr. Haro's technical expertise includes evaluation, design and implementation of innovative in-situ groundwater treatment technologies including enhanced bioremediation and in-situ chemical oxidation.

EXPERTISE

- Phase I and II Environmental Site Assessments
- Soil and Groundwater Investigations
- Soil and Groundwater Remediation
- Project Management
- Remediation Technology Evaluation
- Site Characterization
- Remediation System Operations and Maintenance
- Health Risk Evaluations
- Feasibility Studies
- Data Analysis and Management
- Construction Oversight
- Permitting – Environmental and Construction

WORK HISTORY

- | | |
|-------------------------------------|-----------------|
| • Haro Environmental, Inc. | 2013 to Present |
| • Equipoise Corporation | 2007 to 2013 |
| • Rincon Consultants, Inc., | 2004 to 2007 |
| • TN & Associates | 2003 to 2004 |
| • Environmental Biotechnology Inst. | 2002 to 2004 |
| • Creek Environmental Laboratory | 1999 to 2002 |

EDUCATION AND CERTIFICATIONS

- Registered Environmental Assessor I (REA I), California, No. 30228 (Former; DTSC discontinued the REA program effective July1, 2012)
- M.S., Agriculture – Soil Science Specialization, California Polytechnic State University, San Luis Obispo, CA
- B.S., Soil Science, California Polytechnic State University, San Luis Obispo, CA
- OSHA and EPA 40-hour safety training and 8-hour hazardous materials refresher courses

PROJECT DESCRIPTIONS

Retail Service Station Portfolio, Various Locations, CA

- | | | |
|--|---|--|
| • Groundwater Monitoring and Sampling Management | • Target compounds: Hydrocarbons and MTBE | • Health and Safety |
| • In-Situ Bioremediation | • Interim Remedial Action Plans | • Remediation System Design |
| • Permitting | • Remedial and Corrective Action Plans | • Multiphase and Dual Phase Extraction Systems |
| • Regulatory Agency Negotiations | | |
| • Quarterly Reporting | | |

Managed project activities for monitoring and cleanup of multiple gas station facilities throughout Northern, Central and Southern California. Evaluated in-situ and ex-situ treatment options for source zone reduction and off-site containment of contaminants. Performed and managed operations and maintenance activities on remediation systems and prepared quarterly remediation reports. Prepared quarterly groundwater monitoring reports for agency submittal and approval. Prepared corrective actions plans and remedial action plans for implementation of mobile high vacuum dual phase extraction, multi-phase extraction, and dual-phase extraction systems. Designed and permitted innovative groundwater remediation approaches including enhanced aerobic bioremediation using ORC®. Negotiated with overseeing agencies for acceptance of proposed remedial actions.

Phase I Environmental Site Assessment, Remediation Engineering Evaluation, & Indoor Air Quality Assessment, Former Aircraft Manufacturing Facility, Playa Vista, CA

- | | | |
|---|--|---|
| • Phase I ESA | • Historic Chlorinated VOC and Hydrocarbon Use | • 550,000 Square Feet of Building Space |
| • Remediation System Performance Evaluation | | |

Performed a Phase I ESA for an approximately 38-acre site developed with 8 historic structures totaling approximately 550,000 square feet. Historic aircraft manufacturing resulted in chlorinated VOCs and petroleum hydrocarbon impacts to soil and groundwater. Identified recognized environmental conditions (RECs) at 11 source areas. Consulted client on extent of environmental liabilities and potential

environmental costs. Evaluated the performance of the on-site dual-phase extraction system targeting identified source areas. Developed potential life-cycle costs for the existing remediation system, and costs for remediation of metals contaminated soil. Performed an indoor air survey to assess potential impacts from the historic aircraft manufacturing operations on indoor air quality. Indoor air study results were compared to published regulatory thresholds and calculated site-specific health risks.

Soil and Groundwater Remediation of Chlorinated Solvents using Chemical Oxidation, Former Aerospace Manufacturing Facility, Newbury Park, CA

- | | | |
|---|---|--------------------------------------|
| • Groundwater Monitoring and Sampling Management | • Injection and Monitoring Well Installations | • Health and Safety Plan Preparation |
| • In-Situ Chemical Oxidation using Potassium Permanganate | • Quarterly WDR Reporting | • Lead Agency Negotiations |
| | • Target compounds: Chlorinated VOCs | |

Managed in-situ chemical oxidation injections for remediation of soil and groundwater impacted with the chlorinated solvents TCE and PCE. Negotiated with the lead agency (LARWQCB) for revised Waste Discharge Requirements (WDR) and amendments to the original work plan. Developed and implemented a site-specific health and safety plan to protect the health and safety of workers and the environment from accidental exposure to the chemical oxidant. Oversaw the installation of 35 injection wells and 14 dual-nested monitoring wells, and the injection of approximately 12,000 pounds of potassium permanganate. Conducted performance evaluation sampling per WDR requirements, and prepared and submitted quarterly WDR monitoring reports to the regulatory agency.

Soil and Groundwater Remediation of Chlorinated Solvents, Soil Source Zone Removal and In-Situ Bioremediation, Former Industrial Facility, Los Angeles, CA.

- | | | |
|--|---|--------------------------------------|
| • Groundwater Monitoring and Sampling Management | • Soil Vapor Survey | • Target compounds: Chlorinated VOCs |
| • Large Diameter Auger Excavation | • Injection and Monitoring Well Installations | • Health and Safety Plan Preparation |
| • Enhanced Anaerobic Bioremediation | • Quarterly WDR Reporting | • Lead Agency Negotiations |

Managed soil and groundwater investigation and remediation activities for a site with soil and perched groundwater water zone with chlorinated hydrocarbons present. A Remedial Action Plan (RAP) was developed and approved by the LARWQCB to remediate soil and groundwater at the site. Because site constraints precluded the use of conventional excavation approaches without extensive shoring requirements, soil remediation activities included the design and implementation of source area soil removal using large diameter augers. Groundwater remediation activities included acquisition of a Waste Discharge Requirement (WDR) permit from the LARWQCB for injection of HRC® into the perched zone, injection design, and implementation of an Enhanced Anaerobic Biodegradation approach to stimulate by injecting HRC®.

RCRA Facility Closure, Former Hazardous Waste Handling Facility, Wilmington, CA

- Lead Agency: DTSC
- RCRA Hazardous Waste Permit Closure
- Port of Los Angeles Permitting
- Health and Safety Plan Preparation
- DTSC Approval of Work Plan Updates and Modifications

Managed work plan modification/updating and permitting for a closure of a RCRA hazardous waste permit under DTSC oversight. This former hazardous waste handling facility was the subject of an enforcement action by the lead regulatory agency and resulted in the conviction of the former operator. The chemicals associated with the facility included VOCs and petroleum hydrocarbons. Negotiated with DTSC for work plan modification resulting in a reduction of \$70,000 in the sampling costs.

Feasibility Study, Former Aerospace Testing Facility, CA

- Chlorinated VOCs
- Emergent Compounds
1,4-dioxane and NDMA
- In-Situ and Ex-Situ Treatment Options
- Conforming to Lead Agency Requirements

Provided technical assistance for preparation of a feasibility study for remediation of a 2,800-acre former test site facility being closed after 50 years of storied operations. The feasibility study in part addressed the emergent chemicals 1,4-dioxane and N-nitrosodimethylamine (NDMA). These chemicals are somewhat recalcitrant in the environment and are the subject of research at many DOD-sponsored projects. Evaluated innovative remedial alternatives including enhanced aerobic bioremediation and in-situ chemical oxidation. Prepared a bench-scale work plan and reported the findings evaluating sodium persulfate and propane to reduce NDMA concentrations in groundwater.

Former Oil Field Sumps Assessment and Remediation, Santa Maria Valley, CA

- Sump Assessment and Remediation
- Remediation construction
- Target compounds:
Metals, volatile and semi-volatile organics, hydrocarbons,
- Soil Excavation
- Health and Safety Plan Preparation

Project manager for sump assessment and remediation activities for multiple land leases within the Santa Maria Valley. Former oil field features were identified by reviewing historic maps and aerial photographs. The lateral and vertical limits of identified features were assessed in the field using direct push technology. Non-hazardous sump material was excavated and transported to a local landfill for reuse. Confirmation samples were collected and based on the results, closure reports were prepared and submitted to the lead oversight agency (County Santa Barbara Fire Prevention Division).

Operations and Maintenance, Ex-situ Bioremediation, San Luis Obispo, CA

- Groundwater monitoring well installation
- Groundwater sampling
- Remediation construction
- Vapor extraction system O&M
- Soil Excavation
- Field safety coordinator

Feasibility Study and Remedial Action Plan, Thousand Oaks, CA

- Project Coordinator
- Oversee field activities
- Permitting
- Conducted dual phase extraction events
- Managed and performed O & M

Site Investigations, Multiple Clients

- Oversee well installation
- Oversee boring installation
- Remediation construction
- Perform Monitoring and Optimization.
- Soil and Soil Vapor Sampling
- Risk Analysis
- Managed Subcontractors
- Construction

Publications

Roth, A. E., Lingle, E. L., Haro, E. R., Stark, J. M., Unkefer, P. J. and Kitts, C. L. 2005. *Sample Preservation Method and Storage Time Can Affect 16S rRNA Terminal Restriction Fragment Patterns Made From Soil DNA*. Soil Biology and Biochemistry.

**ATTACHMENT G:
ACOUSTICS ASSESSMENT**



David Lord, PhD dl@45dB.com
Sarah Taubitz, MSME st@45dB.com

California | Colorado
www.45dB.com

May 3, 2018

Project 18032

Acoustics Assessment of: Atascadero Road Hotel Morro Bay, CA	Requested by: Cathy Novak Consulting PO Box 296 Morro Bay, CA 93443 (805) 441-7581	Client: Hemant Patel Escape Hospitality LLC
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1 Executive Summary

45dB Acoustics, LLC has reviewed local regulatory requirements for the proposed Atascadero Road Hotel in the City of Morro Bay, CA. The potential impact of transportation noise from the major transportation noise source—U.S. Highway 1— and surrounding streets has been evaluated using SoundPLAN® modeled noise contours with published traffic counts.

The CNEL noise levels on the eastern side third level are 68 dBA. This is a moderately high level and is expected to require better-than-minimum building practices—i.e. some level of mitigation—in order to maintain interior habitable spaces that meet State Building Code requirements. An STC recommendation for the window-wall assemblies will be performed by 45dB Consultants at a future time, when design development drawings are made available. A specific recommendation is not yet possible without square footages of windows and walls for the habitable units exposed to the worst-case exterior noise levels (i.e., the northern row of hotel rooms on the upper floor).

for 45dB Acoustics, LLC

Sarah Taubitz, INCE
(805) 250-1566 ext. 2

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2 Introduction

This sound level assessment is intended to determine the potential noise impacts associated with the proposed hotel project. The following topics are presented in this report in response to City of Morro Bay requirements for projects identified by the Land Use Element and the Noise Element of the City's General Plan. The following factors are considered:

- The topographical relationship of potential amplified music sources and the nearby potential sensitive receptors
- Identification of noise sources and their characteristics, including predicted noise spectra and sound levels at the exterior of the proposed dwelling, considering present and future land usage and terrain
- Basis for the sound level prediction (i.e., acoustically modeled from published data), noise attenuation measures to be applied, and an analysis of the noise propagation considering the physical layout of built environment
- Analysis of the noise insulation effectiveness of the proposed construction showing that the prescribed interior noise level requirements are met.
- Information on fundamentals of noise and vibration to aid in interpreting the report

The location of the proposed Project is on the northwest corner of (Cabrillo) Highway 1 and Atascadero Road, in the City of Morro Bay (Figure 1). The hotel is to be located approximately 120 feet from the southbound lanes of Highway 1, as shown in the composite image in Figure 3 below. An offramp for southbound Highway 1 is directly adjacent to the project building; significant traffic noise is to be expected here.

Figure 1: Vicinity of property, with project overlaid

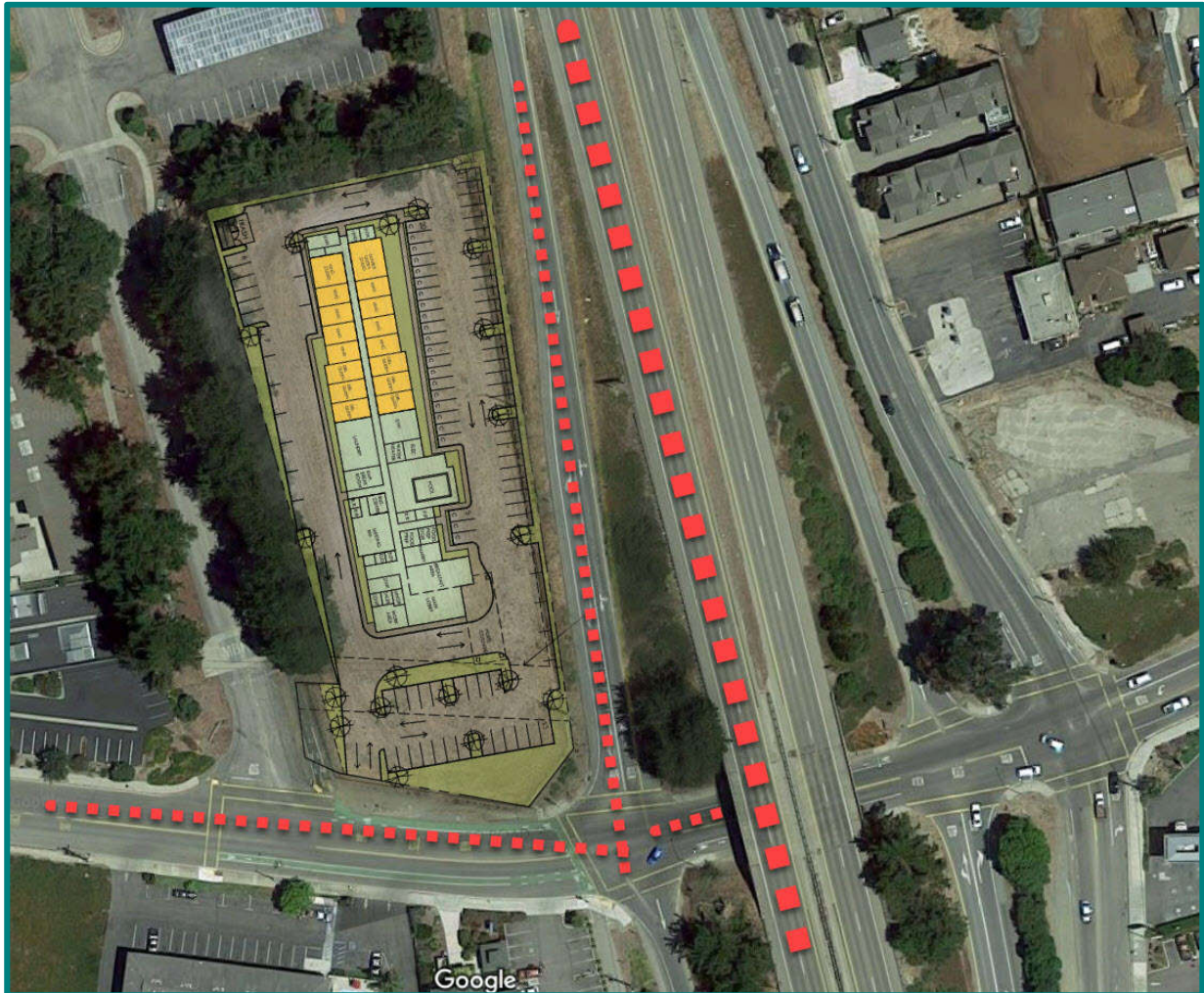


Figure 3: Hotel upper floor plan



3 Regulatory Setting

Noise regulations are addressed by federal, state, and local government agencies, discussed below. Local policies are generally adaptations of federal and state guidelines, adjusted to prevailing local condition.

3.1 Federal Regulation

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- a) Promulgating noise emission standards for interstate commerce.
- b) Assisting state and local abatement efforts.
- c) Promoting noise education and research.

The Department of Transportation (DOT) assumed a significant role in noise control. The Federal Aviation Administration (FAA) regulates noise of aircraft and airports. Surface transportation system noise is regulated by the Federal Transit Administration (FTA). Freeways that are part of the interstate highway system are regulated by the Federal Highway Administration (FHWA).

For this project, the nearest airport (San Luis Obispo County Regional) is approximately 18 miles to the southeast and is not a significant noise factor. The nearest railroad is approximately 16 miles away and is also not a concern.

3.2 State Regulation

California State 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.

Title 24, Chapter 1, Article 4 of the California Administrative Code (California Noise Insulation Standards) requires noise insulation inside single-family detached housing to provide an annual average noise level of no more than 45 dBA CNEL. When such structures are located within a 55 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 shall have an interior CNEL of 45 dBA or less. The 2013 California Green Building Standards Code (CGBSC), Division of the State Architect - Structural Safety (DSA-SS) (CCR, Title 24, Part 11) submittal guideline, chapter 5 contains mandatory requirements for acoustical control:

"5.507.4.1 Exterior noise transmission prescriptive method

"Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or

a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 ... within the 65 CNEL or LDN noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.”

Chapter 5.507.4.1.1 governs acoustical performance and noise exposure where noise contours are not readily available:

“Buildings exposed to a noise level of 65 dB Leq-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).”

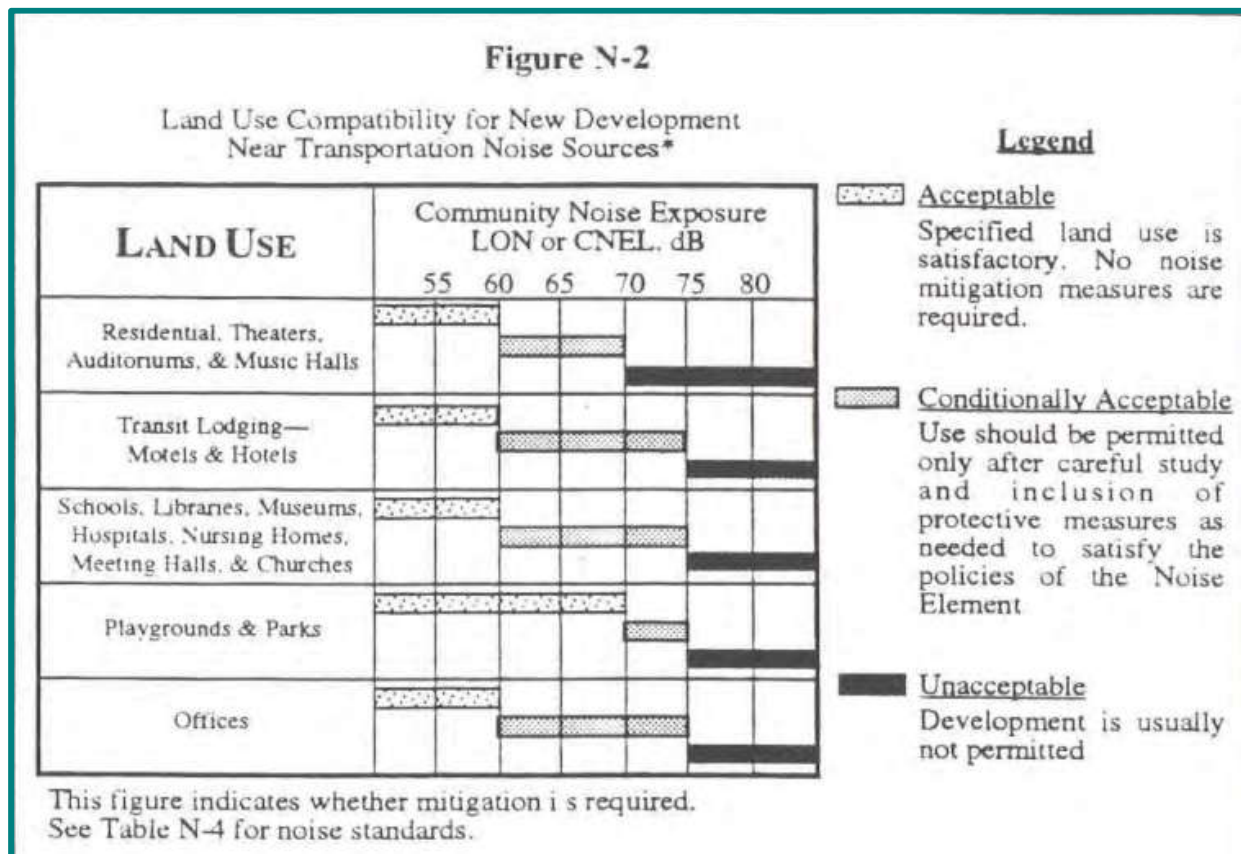
The performance method described above may be used to comply with CGBSC in the following way:

“...wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq -1Hr) of 50 dBA in occupied areas during any hour of operation.”

3.3 Local Regulation

The City of Morro Bay General Plan, Noise Element provides regulation and guidelines regarding noise. The Noise Element provides the conclusions, recommendations, and strategies necessary to ensure an appropriately quiet and pleasurable interior environment for the residents of the proposed project. Since the regulation of transportation noise sources such as roadway and aircraft primarily fall under either State or federal jurisdiction, the local jurisdiction generally uses land use and planning decisions to limit locations or volumes of such transportation noise sources, to avoid development within noise impact zones, or to shield impacted receivers or sensitive receptors. An outdoor CNEL/L_{DN} level of 60dBA is acceptable here for hotels (Table 1). If the outdoor level is between 60 and 70 dBA, acoustic analysis is recommended, and mitigation may be required.

Table 1: Morro Bay, CA Land Use Compatibility (reprinted)



4 Modeled Exterior Noise Levels

Previous studies in this area by 45dB Acoustics, LLC have confirmed noise propagation from California Highway 1. The noise propagation software SoundPLAN utilizes traffic counts from the CalTrans database (shown in Figure 4) to accurately model/predict the noise levels.

Figure 4: California Department of Transportation traffic counts

2016 Traffic Volumes (for ALL vehicles on CA State Highways)								2016 Volumes Home ▾		View	
Dist	Rte	CO	Post Mile	Description	Back Peak Hour	Back Peak Month	Back AADT	Ahead Peak Hour	Ahead Peak Month	Ahead AADT	
05	001	SLO	28.82	MORRO BAY, SOUTH MCBAY	2400	27500	24300	2100	23900	21300	
05	001	SLO	29.618	MORRO BAY, NORTH MCBAY	2100	23900	21300	2500	28000	25000	
05	001	SLO	30.135	JCT. RTE. 41 NORTHEA	2500	28000	25000	2200	24200	20500	

Figure 5 shows resulting noise contours in plan view before the project, at typical ground receiver height (6 feet above grade).

Figure 5: Sound level contours, plan view, before project [units CNEL = dBA]

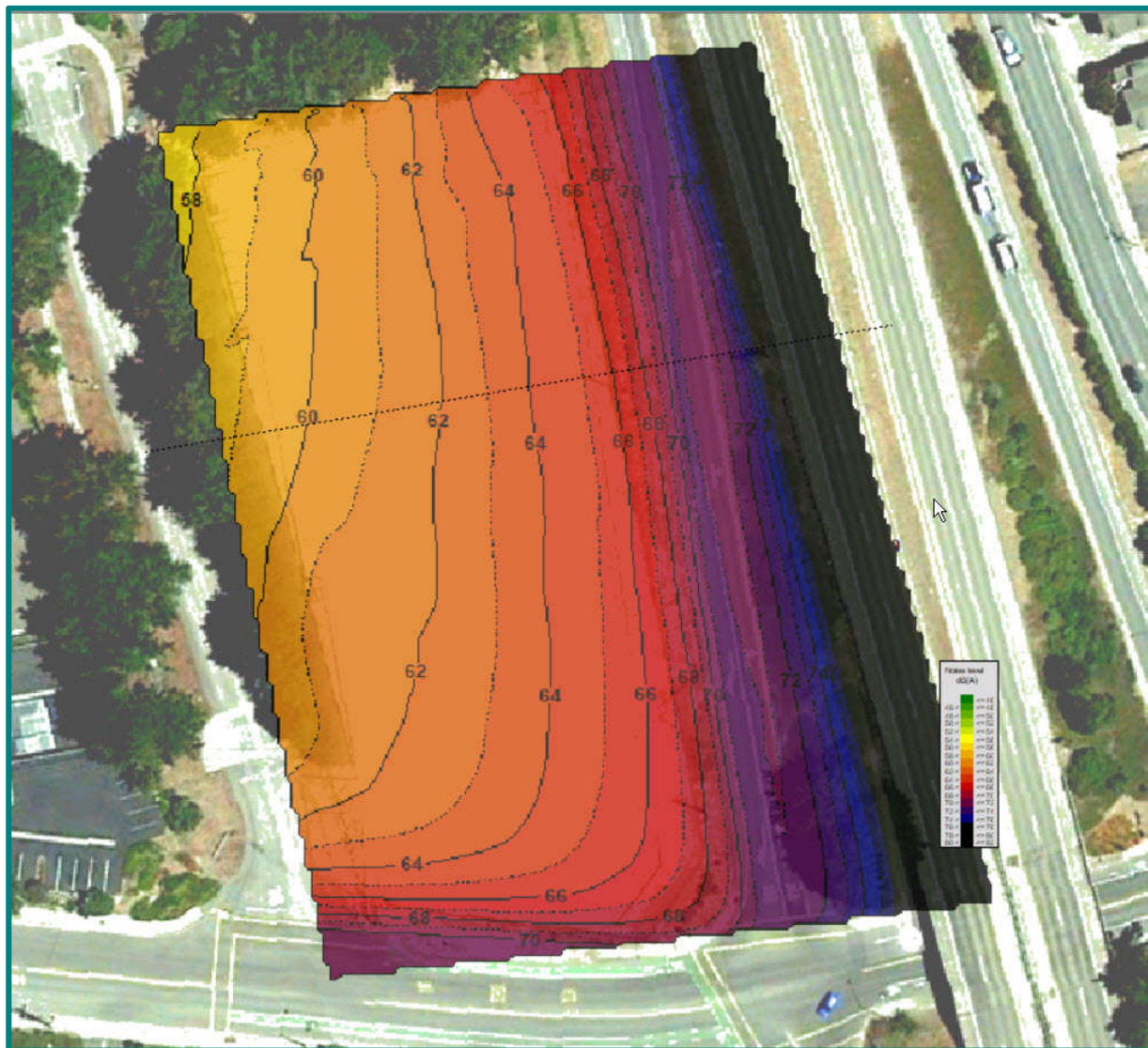
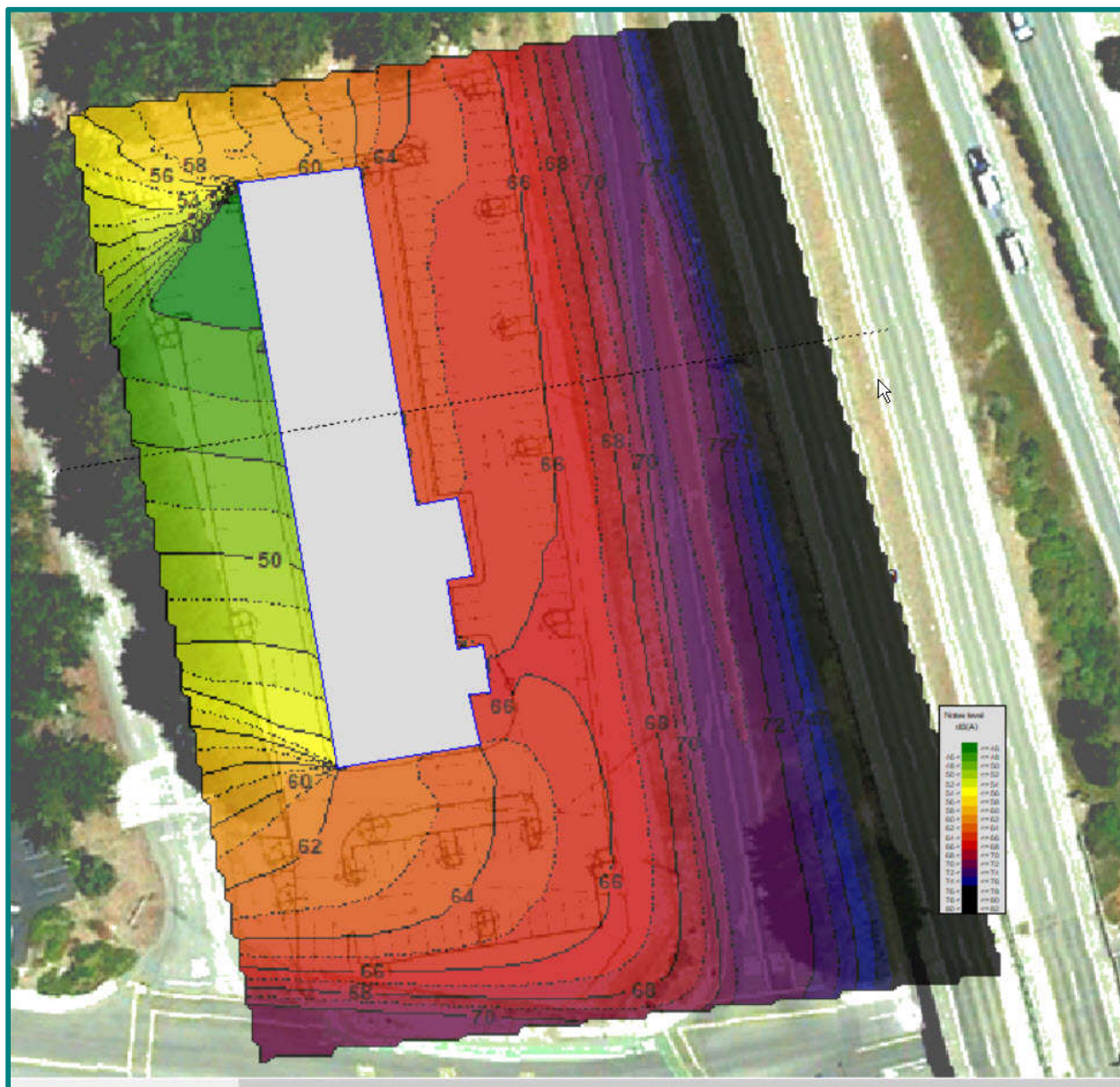


Figure 6 shows resulting noise contours in plan view after the project is built. The building mass of the hotel results in a quiet area on the western side. Meanwhile, the reflective nature of the hotel wall and windows facing the noise source actually increases sound levels by a small amount on the eastern side of the hotel.

Figure 6: Sound level contours with project [CNEL = dBA]



Traffic noise from Highway 1 is the largest contributor of traffic noise propagating toward the hotel. Figure 7 shows an east-west cross section of the noise contours at various elevations above grade level. It is apparent from this figure that noise levels at the third-story level are predicted to reach as high as $CNEL/L_{DN} = 68\text{dBA}$ (See the Appendix for definitions of these terms).

Figure 7: Noise contours, horizontal cross-section, east-west



It is best practice for noise control to allow for a 5-point factor of safety margin between calculated (theoretical) composite STC and field STC (FSTC), to allow for less-than-ideal construction. Therefore, the recommended not-to-exceed theoretical/calculated indoor level becomes 40dBA.

An STC recommendation for the window-wall assemblies will be performed by 45dB Consultants when drawings are made available. A specific recommendation is not possible at this time without square footages of windows and walls for the habitable units exposed to the worst-case exterior noise levels (i.e., the northern row of hotel rooms on the upper floor).

5 Vibration Analysis

The potential for vibration near a highway is defined and described in the Federal Transit Administration *Transit Noise and Vibration Impact Assessment* document. The approximate human threshold of perception to vibration is 70 VdB (Vibration Velocity Level, dB). Buses, trucks and heavy street traffic at 50 feet distance from the highway is equal to 70 VdB or less. Vibration levels along transportation corridors are proportional to the speed and weight of the vehicles as well as the condition of the roadway and vehicle engines and tires. Typically, the setback to the 70 VdB contour along roadways is 100 feet or less from the centerline. Habitable spaces in the current project are located further than this distance. Therefore, vibration levels are anticipated to be less than the human threshold of perception, assuming roadways are properly maintained without large holes/irregularities.

6 Noise Mitigation

Specified construction shall incorporate STC values for assemblies described in this report. Wall details as-designed should offer sufficient factor of safety below the required interior sound level of CNEL = 45 dBA. The minimum compliant solution for wall assembly is as designed with wall STC 44, which would result in an interior sound level of 40 dBA.

Additional noise mitigation measures require that openings and penetrations in the building envelope, such as soffit vents, outdoor air vents, exhaust vents, shall all be facing toward the south and west elevations, facing away from the noise source. Electrical junction boxes, HVAC and plumbing penetrations located on north and east elevations of each habitable space shall be insulated and sealed with ASTM-rated putty pads and acoustical sealant.

7 Appendix

7.1 Characteristics of Sound

When an object vibrates, it radiates part of its energy as acoustical pressure in the form of a sound wave. Sound can be described in terms of amplitude (loudness), frequency (pitch), or duration (time). The human hearing system is not equally sensitive to sound at all frequencies. Therefore, to approximate this human, frequency-dependent response, the A-weighted filter system is used to adjust measured sound levels. The normal range of human hearing extends from approximately 0 to 140 dBA. Unlike linear units such as inches or pounds, decibels are measured on a logarithmic scale, representing points on a sharply rising curve. Because of the physical characteristics of noise transmission and of noise perception, the relative loudness of sound does not closely match the actual amounts of sound energy. Table 2 below presents the subjective effect of changes in sound pressure levels.

Table 2: Sound Level Change Relative Loudness/Acoustic Energy Loss

0 dBA	Reference 0%
-3 dBA	Barely Perceptible Change 50%
-5 dBA	Readily Perceptible Change 67%
-10 dBA	Half as Loud 90%
-20 dBA	1/4 as Loud 99%
-30 dBA	1/8 as Loud 99.9%

Source: Highway Traffic Noise Analysis and Abatement Policy and Guidance, U.S. Department of Transportation, Federal Highway Administration, Office of Environment and Planning, Noise and Air Quality Branch, June 1995. Sound levels are generated from a source and their decibel level decreases as the distance from that source increases. Sound dissipates exponentially with distance from the noise source. This phenomenon is known as spreading loss. Generally, sound levels from a point source will decrease by 6 dBA for each doubling of distance. Sound levels for a highway line source vary differently with distance because sound pressure waves propagate along the line and overlap at the point of measurement. A closely spaced, continuous line of vehicles along a roadway becomes a line source and produces a 3 dBA decrease in sound level for each doubling of distance. However, experimental evidence has shown that where sound from a highway propagates close to “soft” ground (e.g., plowed farmland, grass, crops, etc.), a more suitable drop-off rate to use is not 3.0 dBA but rather 4.5 dBA per distance doubling (FHWA 2010).

When sound is measured for distinct time intervals, the statistical distribution of the overall sound level during that period can be obtained. The Leq is the most common parameter associated with such measurements. The Leq metric is a single-number noise descriptor that represents the average sound level over a given period of time. For example, the L50 noise level is the level that is exceeded 50 percent of the time. This level is also the level that is exceeded 30 minutes in an hour. Similarly, the L02, L08 and L25 values are the noise levels that are exceeded 2, 8, and 25 percent of the time or 1, 5, and 15 minutes per hour. Other values typically noted during a noise survey are the Lmin and Lmax. These values represent the minimum and maximum root-mean-square noise levels obtained over the measurement period.

Because community receptors are more sensitive to unwanted noise intrusion during the evening and at night, State law requires that, for planning purposes, an artificial dB increment be added to quiet-time noise levels in a 24-hour noise descriptor called the CNEL or Ldn. This increment is incorporated in the calculation of CNEL or Ldn, described earlier.

7.2 Terminology/Glossary

A-Weighted Sound Level (dBA)

The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made. A-weighting de-emphasizes the low and very high frequency components of the sound in a manner similar to the response of the average human ear. A-weighted sound levels correlate well with subjective reactions of people to noise and are universally used for community noise evaluations.

Air-borne Sound

Sound that travels through the air, differentiated from structure-borne sound.

Ambient Sound Level

The prevailing general sound level existing at a location or in a space, which usually consists of a composite of sounds from many sources near and far. The ambient level is typically defined by the Leq level.

Background Sound Level

The underlying, ever-present lower level noise that remains in the absence of intrusive or intermittent sounds. Distant sources, such as Traffic, typically make up the background. The background level is generally defined by the L90 percentile noise level.

Community Noise Equivalent Level (CNEL)

The Leq of the A-weighted noise level over a 24-hour period with a 5-dB penalty applied to noise levels between 7 p.m. and 10 p.m. and a 10-dB penalty applied to noise levels between 10 p.m. and 7 a.m. CNEL is similar to Ldn.

Day-Night Sound Level (Ldn)

The Leq of the A-weighted noise level over a 24-hour period with a 10-dB penalty applied to noise levels between 10 p.m. and 7 a.m. Ldn is similar to CNEL.

Decibel (dB)

The decibel is a measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

DBA or dB(A)

A-weighted sound level. The ear does not respond equally to all frequencies, and is less sensitive at low and high frequencies than it is at medium or speech range frequencies. Thus, to obtain a single number representing the sound level of a noise containing a wide range of frequencies in a manner representative of the ear's response, it is necessary to reduce the effects of the low and high frequencies with respect to the medium frequencies. The resultant sound level is said to be A-weighted, and the units are dBA. The A-weighted sound level is also called the noise level.

Energy Equivalent Level (Leq)

Because sound levels can vary markedly in intensity over a short period of time, some method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, one describes ambient sounds in terms of an average level that has the same acoustical energy as the summation of all the time-varying events. This energy-equivalent sound/noise descriptor is called Leq. In this report, an hourly period is used.

Field Sound Transmission Class (FSTC)

A single number rating similar to STC, except that the transmission loss values used to derive the FSTC are measured in the field. All sound transmitted from the source room to the receiving room is assumed to be through the separating wall or floor-ceiling assembly.

Outdoor-Indoor Transmission Class (OITC)

A single number classification, specified by the American Society for Testing and Materials (ASTM E 1332 issued 1994), that establishes the A-weighted sound level reduction provided by building facade components (walls, doors, windows, and combinations thereof), based upon a reference sound spectrum that is an average of typical air, road, and rail transportation sources. The OITC is the preferred rating when exterior façade components are exposed to a noise environment dominated by transportation sources.

Percentile Sound Level, Ln

The noise level exceeded during n percent of the measurement period, where n is a number between 0 and 100 (e.g., L10 or L90)

Sound Transmission Class (STC)

STC is a single number rating, specified by the American Society for Testing and Materials, which can be used to measure the sound insulation properties for comparing the sound transmission capability, in decibels, of interior building partitions for noise sources such as speech, radio, and television. It is used extensively for rating sound insulation characteristics of building materials and products.

Structure-Borne Sound

Sound propagating through building structure. Rapidly fluctuating elastic waves in gypsum board, joists, studs, etc.

Sound Exposure Level (SEL)

SEL is the sound exposure level, defined as a single number rating indicating the total energy of a discrete noise-generating event (e.g., an aircraft flyover) compressed into a 1-second time duration. This level is handy as a consistent rating method that may be combined with other SEL and Leq readings to provide a complete noise scenario for measurements and predictions. However, care must be taken in the use of these values since they may be misleading because their numeric value is higher than any sound level which existed during the measurement period.

Subjective Loudness Level

In addition to precision measurement of sound level changes, there is a subjective characteristic which describes how most people respond to sound:

- A change in sound level of 3 dBA is *barely perceptible* by most listeners.
- A change in level of 6 dBA is *clearly perceptible*.
- A change of 10 dBA is perceived by most people as being *twice* (or *half*) as loud.

7.3 Traffic Noise Model

The Federal Highway Administration Traffic Noise Model (TNM) used for the sound level analysis in this study, contains the following components:

1. Modeling of five standard vehicle types, including automobiles, medium trucks, heavy trucks, buses, and motorcycles, as well as user-defined vehicles.
2. Modeling both constant- and interrupted-flow traffic using a field-measured data base.
3. Modeling effects of different pavement types, as well as the effects of graded roadways.
4. Sound level computations based on a one-third octave-band data base and algorithms.
5. Graphically-interactive noise barrier design and optimization.
6. Attenuation over/through rows of buildings and dense vegetation.
7. Multiple diffraction analysis.
8. Parallel barrier analysis.
9. Contour analysis, including sound level contours, barrier insertion loss contours, and sound-level difference contours.

These components are supported by a scientifically founded and experimentally calibrated acoustic computation methodology, as well as a flexible data base, made up of over 6000 individual pass-by events measured at forty sites across the country.

7.4 SoundPLAN Acoustics Software

SoundPLAN, the software used for this acoustic analysis, is an acoustic ray-tracing program dedicated to the prediction of noise in the environment. Noise emitted by various sources propagates and disperses over a given terrain in accordance with the laws of physics. Worldwide, governments and engineering associations have created algorithms to calculate acoustical phenomena to standardize the assessment of physical scenarios. Accuracy has been validated in published studies to be + / - 2.7 dBA with an 85% confidence level.

The software calculates sound attenuation of environmental noise, even over complex terrain, uneven ground conditions, and with complex obstacles. The modeling software calculates the sound field in accordance with ISO 9613-2 “Acoustics - Attenuation of sound during propagation outdoors, Part 2: General Method of Calculation.” This standard states that “this part of ISO 9613 specifies an engineering method for calculating the attenuation of sound during propagation outdoors, in order to predict the levels of environmental noise at a distance from a variety of sources. The method predicts the equivalent continuous A-weighted sound pressure level under meteorological conditions favorable to propagation from sources of known sound emissions. These conditions are for downwind propagation under a well-developed moderate ground-based temperature inversion, such as commonly occurs at night.”

7.5 Evidence of Compliance

Evidence of compliance shall consist of submittal of an acoustical analysis report, prepared under the supervision of a person experienced in the field of acoustical engineering, with the application for building permit or use permit. The report shall show topographical relationship of noise sources and dwelling site, identification of noise sources and their characteristics,

predicted noise spectra at the exterior of the proposed dwelling structure considering present and future land usage, basis for the prediction (measured or obtained from published data), noise attenuation measures to be applied, and an analysis of the noise insulation effectiveness of the proposed construction showing that the prescribed interior noise level requirements are met. If interior allowable noise levels are met by requiring that windows be unopenable or closed, the design for the structure must also specify the means that will be employed to provide ventilation and cooling, if necessary, to provide a habitable interior environment.

8 References

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**ATTACHMENT H:
TRANSPORTATION IMPACT STUDY**

Morro Bay Atascadero Road Hotel

Draft Transportation Impact Study

Central Coast Transportation Consulting

895 Napa Avenue, Suite A-6

Morro Bay, CA 93442

(805) 316-0101

March 2018



Executive Summary

This study evaluates the potential transportation impacts of a new hotel proposed on Atascadero Road in the City of Morro Bay. The project proposes 82 hotel rooms and related amenities, located on the corner of the SR 1 Southbound Off-Ramp and Atascadero Road.

The following intersections are analyzed during the weekday AM (7-9 AM) and PM (4-6 PM) time periods:

1. Project Driveway/Atascadero Road
2. State Route 1 (SR 1) Southbound Ramp/Atascadero Road
3. Main Street/State Route 41 (SR 41)

The study intersections are evaluated under these scenarios:

1. **Existing Conditions** reflect recent traffic counts and the existing transportation network.
2. **Existing Plus Project Conditions** adds Project generated traffic to Existing Conditions volumes.

The project is expected to generate 670 daily trips, 43 AM peak hour trips, and 49 PM peak hour trips on a typical weekday. Caltrans criteria is applied to identify transportation deficiencies.

Intersection Operations

Two of the study intersections operate below the LOS C/D threshold for vehicles. The addition of project traffic increases average delay by less than two seconds at both locations.

- SR 1 SB Ramp/Atascadero Road (#2): The southbound approach would operate at LOS D during both peak hours with the project. The 95th percentile queues would remain below two vehicles both with and without the project. The intersection would not meet the peak hour signal warrant. Restriping the southbound approach to provide a shared through/right turn lane and designated left turn lane would improve operations slightly but is not recommended due to the very minor delay reduction.
- Main Street/SR 41 (#3): The intersection of Main Street and SR 41 operates at LOS E during the PM peak hour both with and without the project. The City of Morro Bay and Caltrans are pursuing a six-leg roundabout at this intersection. This project is currently in the design stage, with construction tentatively scheduled for 2021. The design stage is funded, and construction is partially funded. Constructing the roundabout would result in acceptable operations.

The remaining intersections and time periods operate at an acceptable service level.

Site Access

The analysis results show no queues on Atascadero Road at the Project Driveway intersection. Therefore, queue spillback to the SR 1 ramp intersections is not expected.

The Project Driveway is proposed adjacent to another driveway serving Morro Bay High School. In consideration of best practices for access management, these driveways should be consolidated if feasible. We recommend that the applicant coordinate with the school district regarding future access improvements that may affect the project.

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Introduction and Background

This study evaluates the potential transportation impacts of a new hotel proposed on Atascadero Road in the City of Morro Bay. The project proposes 82 hotel rooms and related amenities, located on the corner of the SR 1 Southbound Off-Ramp and Atascadero Road.

The project's location, study intersections, lane configurations, and existing traffic volumes are shown on **Figure 1**, while **Figure 2** shows the project site plan, and **Figure 3** shows the project traffic volumes. The following intersections are analyzed during the weekday AM (7-9 AM) and PM (4-6 PM) time periods:

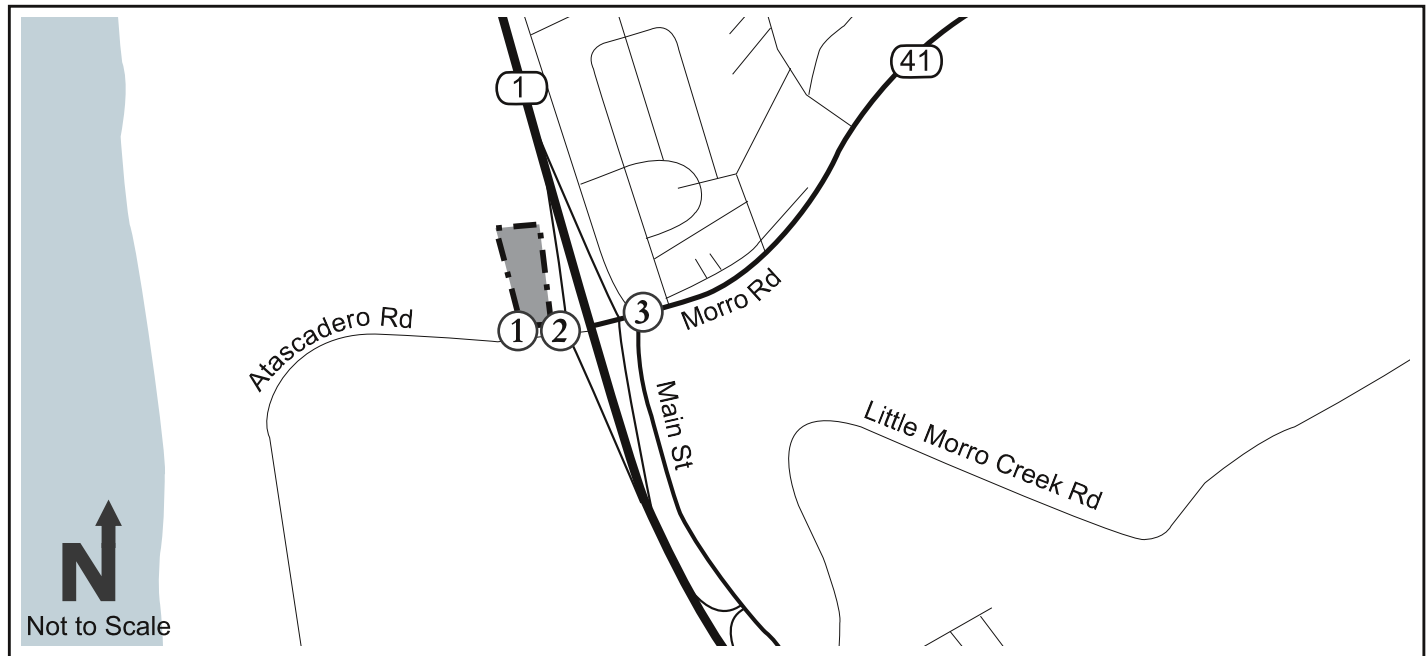
1. Project Driveway/Atascadero Road
2. State Route 1 (SR 1) Southbound Ramp/Atascadero Road
3. Main Street/State Route 41 (SR 41)

The study intersections are evaluated under these scenarios:

1. **Existing Conditions** reflect recent traffic counts and the existing transportation network.
2. **Existing Plus Project Conditions** adds Project generated traffic to Existing Conditions volumes.

Further details for each scenario are provided in subsequent chapters.

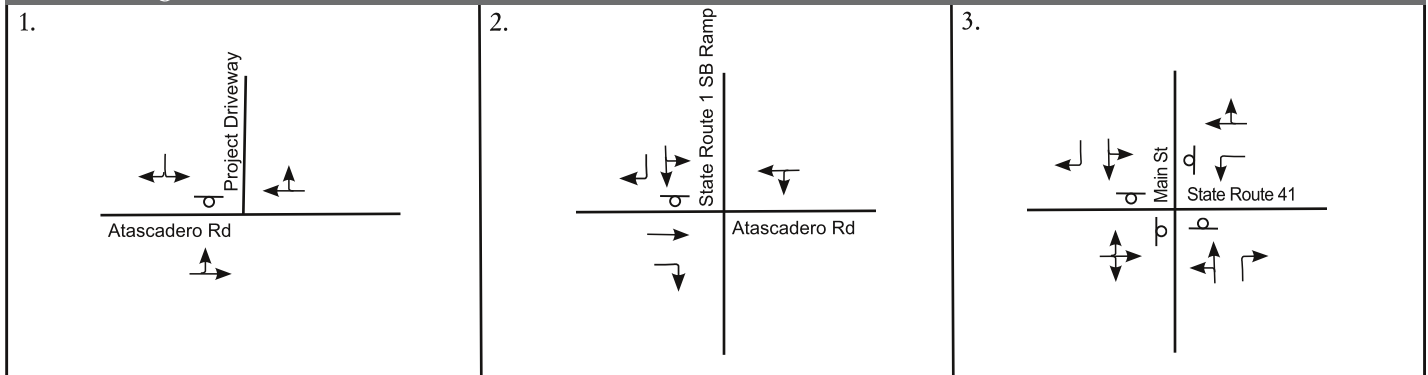
Figure 1: Project and Study Locations, Lane Configurations, and Existing Volumes



Existing Peak Hour Volumes



Lane Configuration

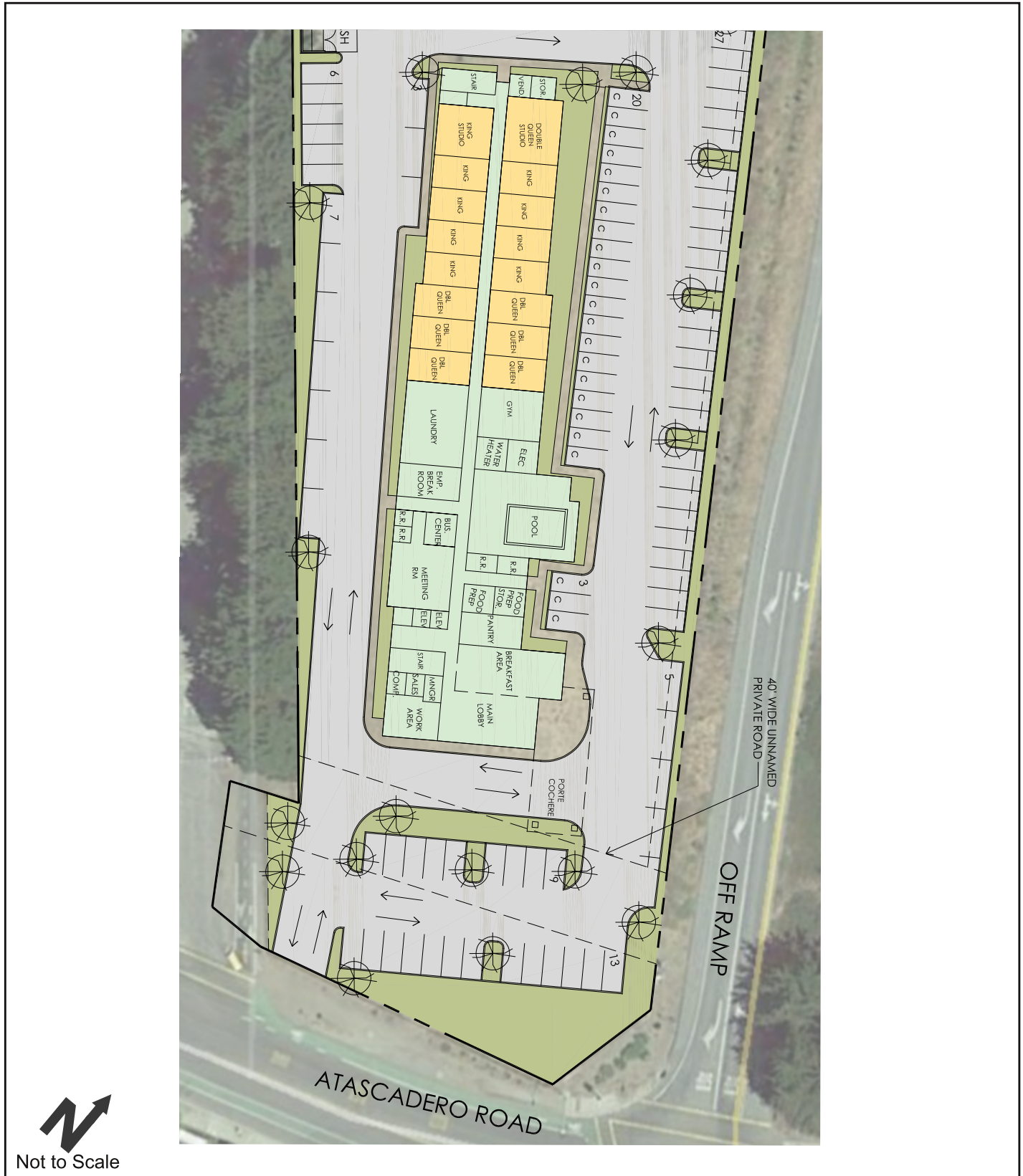


Legend:

xx(yy) - AM(PM) Peak Hour Traffic Volumes
(x) - Study Intersection

- Project Site
d - Stop Sign

Figure 2: Project Site Plan



Source: Arris Studio Architects



Analysis Methods

The analysis approach was developed based on Caltrans standards. The City of Morro Bay does not have a formal LOS policy.

Caltrans Facilities

Caltrans operates SR 41 and SR 1. Caltrans strives to maintain operations at the LOS C/D threshold on state-operated facilities, where LOS C is acceptable, but LOS D is not. If an existing State Highway facility is operating at LOS D, E, or F the existing service level should be maintained.

Level of Service Thresholds

The level of service thresholds for intersections based on the 6th Edition Highway Capacity Manual (HCM) are presented in Table 1.

Table 1: Intersection Level of Service Thresholds	
Stop Sign Controlled ¹	
Control Delay (seconds/vehicle)	Level of Service
≤ 10	A
> 10 - 15	B
> 15 - 25	C
> 25 - 35	D
> 35 - 50	E
> 50 or v/c > 1	F
1. Source: Exhibit 20-2 and 21-8 of the 6 th Edition Highway Capacity Manual.	

The study intersections are analyzed with the Synchro 10 software package applying the 6th Edition HCM methods.

Existing Conditions

This section describes the existing transportation system and current operating conditions in the study area.

EXISTING ROADWAY NETWORK

State Route 1 (SR 1) is a major north-south state highway running along the Pacific coastline of California. It separates from the US 101 on Santa Rosa Street in San Luis Obispo, CA and continues as a four-lane arterial known as the Cabrillo Highway. It is a four-lane freeway in the study area.

State Route 41 (SR 41) is a two-lane, southwest-northeast Caltrans facility. It connects Atascadero to Morro Bay to the southwest and Shandon and State Route 46 to the northeast. It terminates at its junction with SR 1.

Atascadero Road is an east-west major collector with two travel lanes. The project driveway will be connected to this road.

Main Street is a north-south minor arterial with two travel lanes. It parallels SR 1 from Radcliff Avenue to Zanzibar Street, allowing access to the surrounding residential and commercial areas from the highway.

EXISTING PEDESTRIAN AND BICYCLE FACILITIES

Pedestrian facilities include sidewalks, crosswalks, and multi-use paths. Sidewalks are provided along the north and south sides of Atascadero Road with some discontinuous segments. There are marked crossings along the north and south sides of Atascadero Road, as well as several marked crossings connecting the two sides. There is no sidewalk fronting the project site where the driveway will be installed. Main Street has sidewalks running along the east side.

Bicycle facilities consist of separated right-of-way bike paths (Class I) and on-street striped bike lanes (Class II). The City's Bike Map identifies existing Class I bike paths fronting the north and west sides of the project site, which connect the Cloisters Community Park to Atascadero Road; and another bike path running parallel to the SR 1 southbound on-ramp. The City's Bike Map also identifies existing Class II bike lanes on Atascadero Road from the high school pedestrian crossing to the SR 1 intersection, with a dedicated northbound bicycle crossing connecting the Class I bike path running parallel to the SR 1 southbound on-ramp. The Class II bike lanes on Atascadero Road are discontinuous along the on- and off-ramps but continue after the Main Street intersection. Main Street has Class II bike lanes in the north and south directions.

EXISTING TRANSIT SERVICE

The Morro Bay Transit operates fixed route, Call-A-Ride, and trolley services. The fixed route and trolley service both have three bus stops near the project area – two on Atascadero Road and one on Main Street at Errol. The trolley service operates Memorial Day weekend through early October. Call-A-Ride provides curb-to-curb service within the City limits on weekdays and Saturdays. Morro Bay Transit connects with the Regional Transit Authority (RTA) Routes 12 and 15 at City Park. RTA Route 15 runs north-south on SR 1 and north on Main Street.

EXISTING TRANSPORTATION CONDITIONS

Traffic counts for weekday AM and PM peak hour conditions were collected at the study intersections in February and March 2018 when the high school was in session. Traffic count sheets are provided in Appendix A.

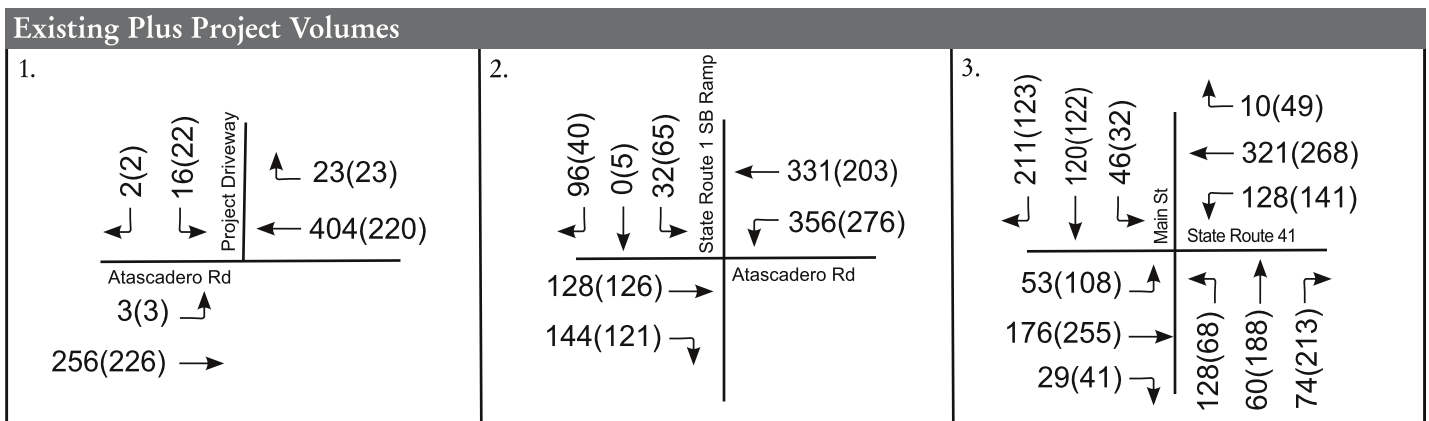
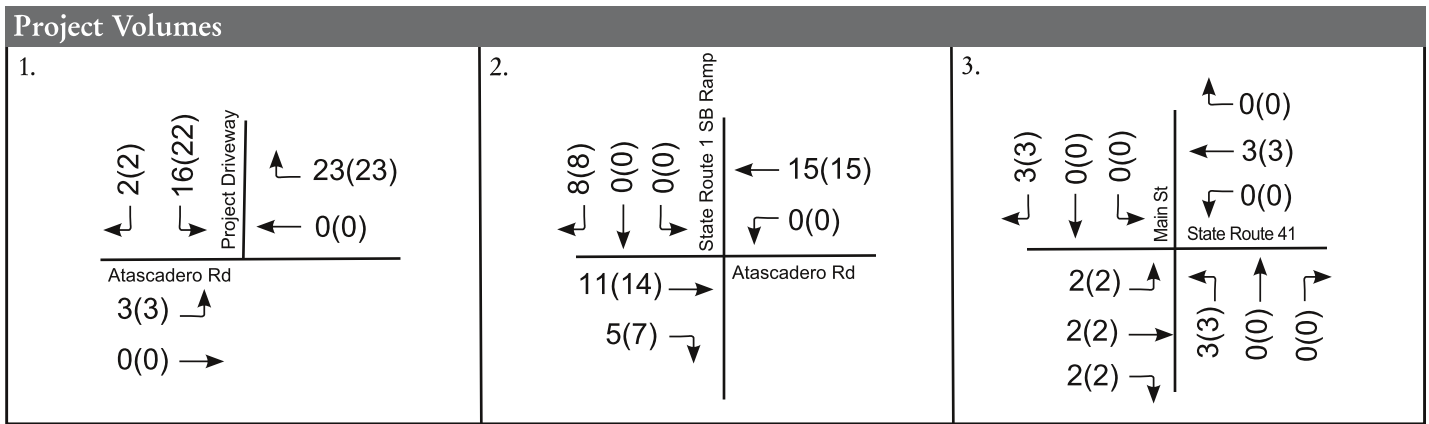
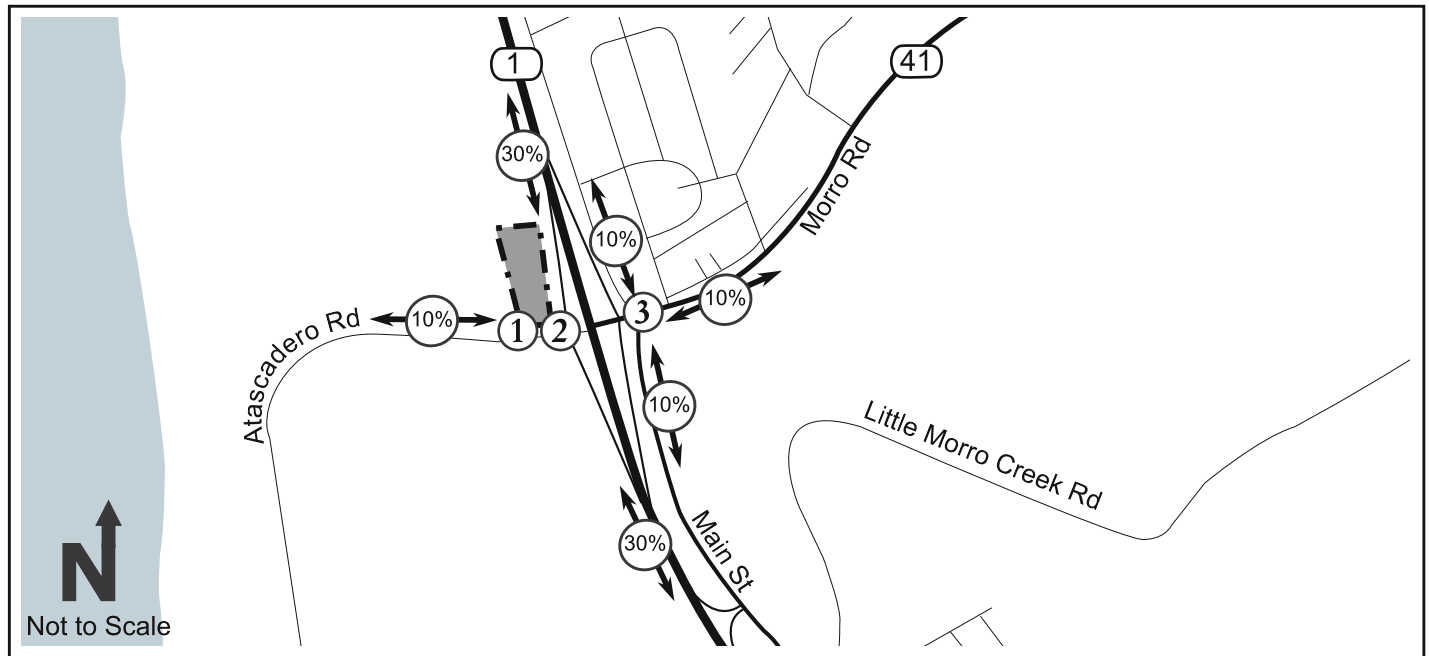
Figure 1 shows the Existing peak hour traffic volumes. Table 2 presents the LOS for the study intersections based on the applicable thresholds, with detailed calculation sheets included in Appendix B.

Table 2: Existing Intersection Auto Levels of Service				
Intersection	Peak Hour	V/C ¹	Delay ² (sec/veh)	LOS
1. Project Driveway/Atascadero Road	AM PM		N/A	
2. SR 1 SB Ramp/Atascadero Road	AM PM	0.44 0.36	6.4 (28.6) 6.2 (24.8)	- (D) - (C)
3. Main Street/SR 41	AM PM	0.79 0.98	22.9 35.8	C E
1. Volume to capacity ratio reported for worst movement. 2. HCM 6th average control delay in seconds per vehicle. For side-street-stop controlled intersections the worst approach's delay is reported in parentheses next to the overall intersection delay. Note: Unacceptable operations shown in bold text.				

The southbound approach to the SR 1 SB Ramp/Atascadero Road (#2) intersection operates at LOS D during the AM peak hour. Main Street/SR 41 (#3) operates at LOS E during the PM peak hour. The intersections operate acceptably during the remaining peak hours.

The Project Driveway/Atascadero Road intersection (#1) does not currently exist.

Figure 3: Trip Distribution, Project Volumes, and Existing Plus Project Volumes



Legend:

xx(yy) - AM(PM) Peak Hour
Traffic Volumes

(x) - Study Intersection

- Project Site

- Project Trip Distribution
Percentage

Existing Plus Project Conditions

This section evaluates the impacts of the proposed project on the surrounding transportation network.

PROJECT TRAFFIC ESTIMATES

The amount of project traffic affecting the study locations is estimated in three steps: trip generation, trip distribution, and trip assignment. Trip generation refers to the total number of trips generated by the site. Trip distribution identifies the general origins and destinations of these trips; and trip assignment specifies the routes taken to reach these origins and destinations.

Trip Generation

The project's trip generation estimate was developed using weekday daily, AM peak hour, and PM peak hour data provided in the Institute of Transportation Engineers' (ITE) Trip Generation Manual. Table 3 shows the estimated trip generation from the proposed project.

Table 3: Weekday Vehicle Trip Generation									
Land Use	Size	Unit ¹	Daily	AM			PM		
				In	Out	Total	In	Out	Total
Hotel ¹	82	Rooms	670	25	18	43	25	24	49
		Total Trips	670	25	18	43	25	24	49
1) ITE Land Use Code #310, Hotel. Average rates used. Source: ITE <i>Trip Generation Manual</i> , 9th Edition, 2012; CCTC, 2018.									

Trip Distribution and Assignment

Trip distribution and assignment for the project trips were estimated based on observed traffic patterns, the locations of complementary land uses, and knowledge of local traffic patterns.

Figure 3 shows the trip distribution percentages.

EXISTING PLUS PROJECT IMPACT ANALYSIS

Figure 3 shows the Existing Plus Project peak hour traffic volumes. Table 4 shows the LOS for the study intersections under Existing and Existing Plus Project conditions, with detailed calculation sheets included in Appendix B.

Table 4: Existing and Existing Plus Project Intersection Auto Levels of Service								
Intersection	Peak Hour	Existing			Existing + Project			
		V/C ¹	Delay ² (sec/veh)	LOS	V/C ¹	Delta	Delay ² (sec/veh)	LOS
1. Project Driveway/Atascadero Road	AM	N/A			0.05	N/A	0.4 (14.4)	- (B)
	PM	N/A			0.05	N/A	0.6 (12.0)	- (B)
2. SR 1 SB Ramp/Atascadero Road	AM	0.44	6.4 (28.6)	- (D)	0.42	-0.02	6.5 (26.3)	- (D)
	PM	0.36	6.2 (24.8)	- (C)	0.38	0.02	6.1 (25.4)	- (D)
3. Main Street/SR 41	AM	0.79	22.9	C	0.80	0.01	23.8	C
	PM	0.98	35.8	E	0.99	0.01	37.2	E
1. Volume to capacity ratio reported for worst movement. 2. HCM 6th average control delay in seconds per vehicle. For side-street-stop controlled intersections the worst approach's delay is reported in parentheses next to the overall intersection delay. Note: Unacceptable operations shown in bold text.								

The following intersections operate below the LOS C/D threshold for vehicles:

- SR 1 SB Ramp/Atascadero Road (#2): The southbound approach would operate at LOS D during both peak hours with the project. During the AM peak hour, average delay for the southbound approach improves with the project due to the addition of southbound right turning traffic, which experience less delay than the southbound left movement. This also decreases the V/C ratio. During the PM peak hour, the addition of project traffic would increase delay for the southbound approach by less than 1 second per vehicle. The 95th percentile queues would remain below two vehicles both with and without the project.
- Main Street/SR 41 (#3): The intersection of Main Street and SR 41 operates at LOS E during the PM peak hour both with and without the project. The project increases delay at the intersection by less than 2 seconds per vehicle.

The remaining intersections and time periods operate at an acceptable service level.

Queue Spillback

The analysis results show no queues on Atascadero Road at the Project Driveway intersection. Therefore, queue spillback to the SR 1 ramp intersections is not expected.

Detailed calculation sheets are provided in Appendix B.

Intersection Mitigations

- SR 1 SB Ramp/Atascadero Road (#2): The intersection would not meet the peak hour signal warrant. The signal warrant analysis sheet is attached as Appendix C. Alternatively, the PM peak hour could be improved beyond its no project condition by restriping the southbound approach to include an exclusive left turn lane and a shared through-right lane. The AM peak hour would not change with this improvement. This improvement is not recommended since it would have a minimal effect on vehicular delay.
- Main Street/SR 41 (#3): The City of Morro Bay and Caltrans are pursuing a six-leg roundabout at this intersection. This project is currently in the design stage, with construction tentatively scheduled for 2021. The design stage is funded, and construction is partially funded.

SITE ACCESS AND ON-SITE CIRCULATION

This section discusses issues related to site access and on-site circulation. On-site circulation deficiencies would occur if project designs fail to meet appropriate standards, fail to provide adequate truck access, or would result in hazardous conditions.

The site plan is shown in **Figure 2**. The proposed landscaping as shown on the site plan should be modified to increase sight distance for vehicles exiting the Project Driveway. Additionally, sidewalk connectivity should be provided along the project's Atascadero Road frontage and bicycle path access should not be obstructed.

The Project Driveway would be located nearly adjacent to another driveway serving Morro Bay High School. In consideration of best practices for access management, these driveways should be consolidated if feasible. We recommend that the applicant coordinate with the school district regarding future access improvements that may affect the project.

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Appendix A: Traffic Counts



Metro Traffic Data Inc.
310 N. Irwin Street - Suite 20
Hanford, CA 93230
800-975-6938 Phone/Fax
www.metrotrafficdata.com

Turning Movement Report

Prepared For:
Central Coast Transportation Consulting
895 Napa Avenue, Suite A-6
Morro Bay, CA 93442

LOCATION SR 1 SB Ramps @ Atascadero Rd / SR 41
COUNTY San Luis Obispo
COLLECTION DATE Thursday, February 1, 2018

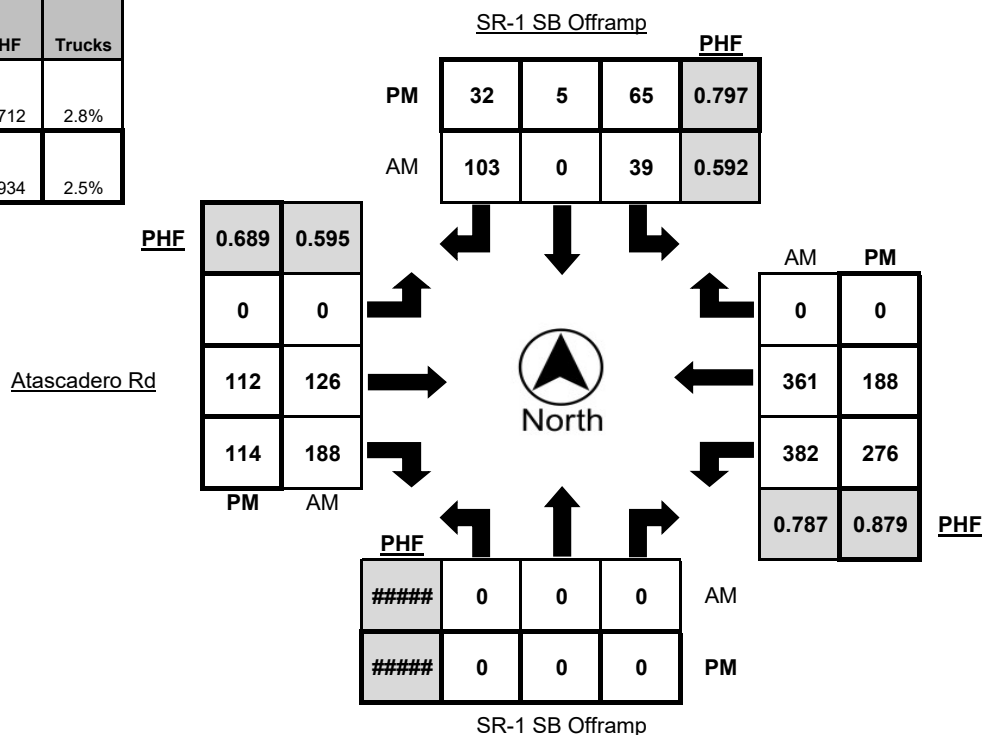
LATITUDE 35.3800
LONGITUDE -120.8559
WEATHER Clear

	Northbound				Southbound				Eastbound				Westbound			
Time	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks
7:00 AM - 7:15 AM	0	0	0	0	9	0	21	1	0	14	34	2	58	84	0	2
7:15 AM - 7:30 AM	0	0	0	0	7	0	2	0	0	19	11	1	69	27	0	0
7:30 AM - 7:45 AM	0	0	0	0	12	0	14	3	0	14	22	2	99	45	0	4
7:45 AM - 8:00 AM	0	0	0	0	10	0	27	0	0	27	49	2	109	127	0	7
8:00 AM - 8:15 AM	0	0	0	0	4	0	56	0	0	54	78	5	78	151	0	3
8:15 AM - 8:30 AM	0	0	0	0	13	0	6	1	0	31	39	2	96	38	0	4
8:30 AM - 8:45 AM	0	0	0	0	11	0	2	2	0	10	15	2	91	22	0	4
8:45 AM - 9:00 AM	0	0	0	0	9	1	4	1	0	14	18	1	79	9	0	1
TOTAL	0	0	0	0	75	1	132	8	0	183	266	17	679	503	0	25

	Northbound				Southbound				Eastbound				Westbound			
Time	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks
4:00 PM - 4:15 PM	0	0	0	0	29	0	6	1	0	22	27	1	77	29	0	1
4:15 PM - 4:30 PM	0	0	0	0	22	2	2	0	0	21	20	1	71	16	0	4
4:30 PM - 4:45 PM	0	0	0	0	16	1	12	0	0	19	15	0	74	36	0	1
4:45 PM - 5:00 PM	0	0	0	0	15	0	7	2	0	22	21	1	73	43	0	2
5:00 PM - 5:15 PM	0	0	0	0	17	2	3	1	0	26	28	1	75	43	0	4
5:15 PM - 5:30 PM	0	0	0	0	9	1	16	1	0	22	25	0	68	64	0	1
5:30 PM - 5:45 PM	0	0	0	0	24	2	6	1	0	42	40	3	60	38	0	3
5:45 PM - 6:00 PM	0	0	0	0	17	0	6	2	0	24	31	1	72	23	0	4
TOTAL	0	0	0	0	149	8	58	8	0	198	207	8	570	292	0	20

	Northbound				Southbound				Eastbound				Westbound			
PEAK HOUR	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks
7:30 AM - 8:30 AM	0	0	0	0	39	0	103	4	0	126	188	11	382	361	0	18
4:45 PM - 5:45 PM	0	0	0	0	65	5	32	5	0	112	114	5	276	188	0	10

	PHF	Trucks
AM	0.712	2.8%
PM	0.934	2.5%

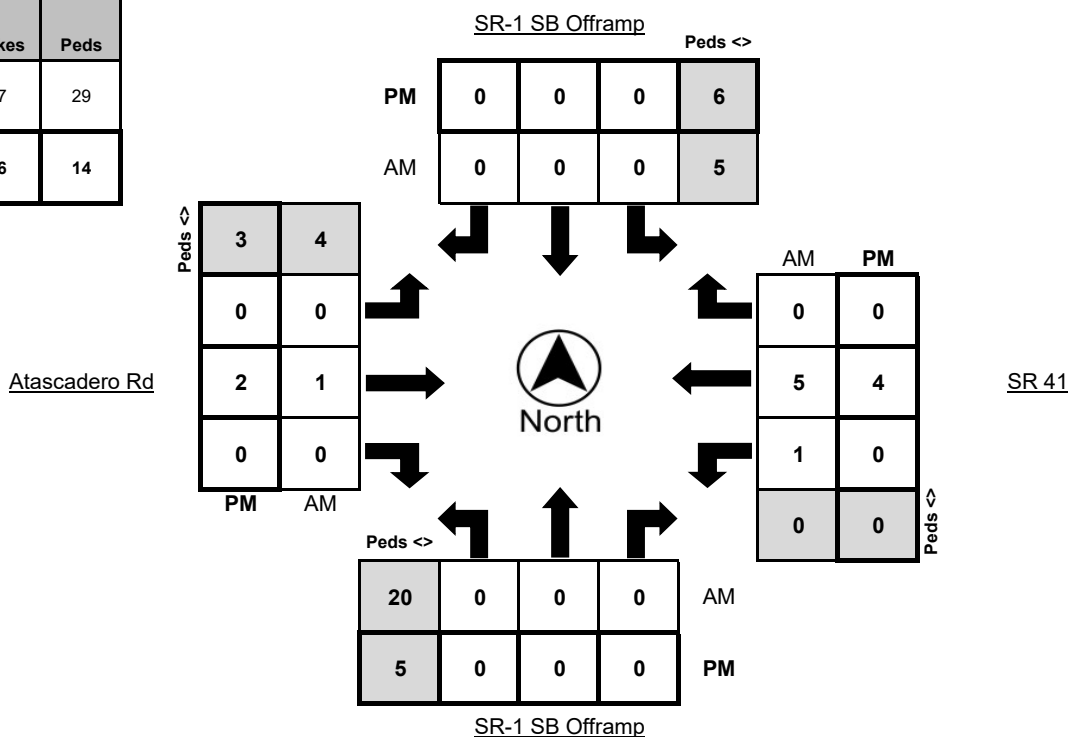


Turning Movement Report

WEATHER Clear

	Northbound Bikes			N.Leg Peds	Southbound Bikes			S.Leg Peds	Eastbound Bikes			E.Leg Peds	Westbound Bikes			W.Leg Peds
PEAK HOUR	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
7:30 AM - 8:30 AM	0	0	0	5	0	0	0	20	0	1	0	0	1	5	0	4
4:45 PM - 5:45 PM	0	0	0	6	0	0	0	5	0	2	0	0	0	4	0	3

	Bikes	Peds
AM Peak Total	7	29
PM Peak Total	6	14





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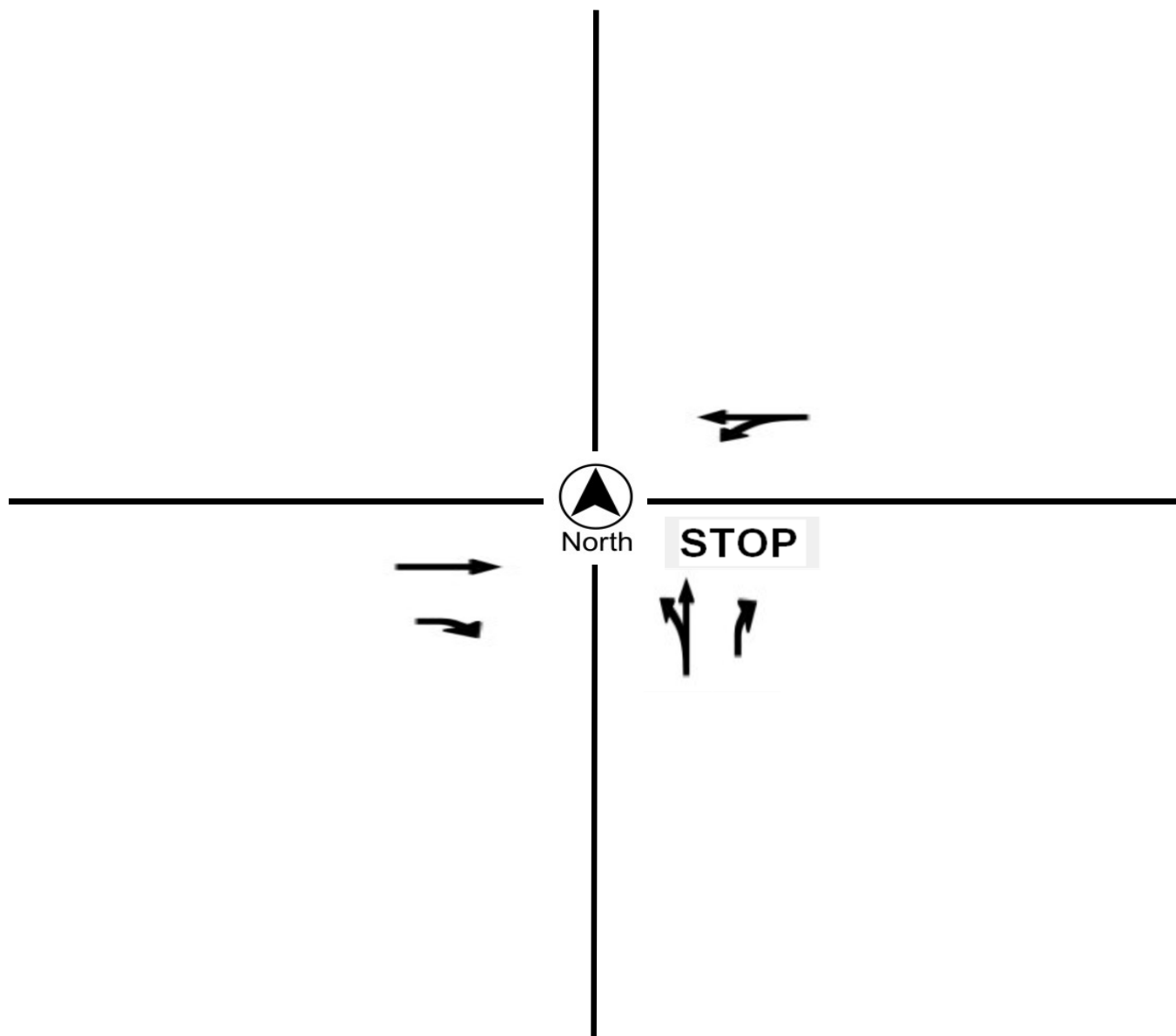
Turning Movement Report

Prepared For:
Central Coast Transportation Consulting
895 Napa Avenue, Suite A-6
Morro Bay, CA 93442

LOCATION SR 1 SB Ramps @ Atascadero Rd / SR 41
COUNTY San Luis Obispo
COLLECTION DATE Thursday, February 1, 2018
CYCLE TIME N/A

N/S STREET SR1 SB Ramps
E/W STREET Atascadero Rd / SR 41
WEATHER Clear
CONTROL TYPE One-Way Stop

COMMENTS



N/S Street: SR 1 SB Ramp
E/W Street: Atascadero Ave

Location: Morro Bay, CA
Peak Hour: AM

Date: 3/6/2018
Time Start: 7:00

Begin PH

From	To	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	Totals		Peak Hour	PHF
7:00	7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	529	7:00 8:00	
7:15	7:30	0	0	0	1	0	0	0	3	6	9	10	1	30	900	7:15 8:15	
7:30	7:45	0	0	0	9	0	8	0	13	16	109	37	0	192	1048	7:30 8:30	
7:45	8:00	0	0	0	6	0	35	0	28	43	89	106	0	307	986	7:45 8:45	
8:00	8:15	0	0	0	10	0	40	0	54	63	69	135	0	371	843	8:00 9:00	
8:15	8:30	0	0	0	7	0	5	0	22	17	89	38	0	178	472		
8:30	8:45	0	0	0	5	1	5	0	9	13	73	24	0	130	294		
8:45	9:00	0	0	0	15	1	6	0	16	15	84	27	0	164	164		

Peak Hour: 7:30 8:30

Peak Hour Volumes

From	To	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	PHF
7:30	8:30	0	0	0	32	0	88	0	117	139	356	316	0	0.85



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Morro Bay, CA 93442

LOCATION Main St @ SR 41
COUNTY San Luis Obispo
COLLECTION DATE Thursday, February 1, 2018

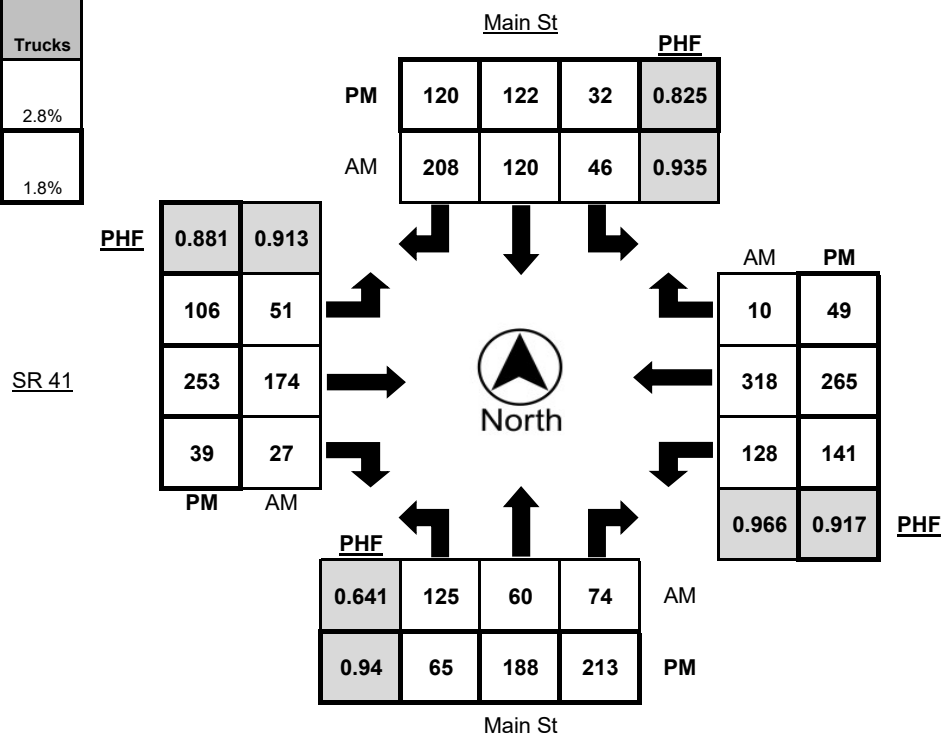
LATITUDE 35.3802
LONGITUDE -120.8548
WEATHER Clear

	Northbound				Southbound				Eastbound				Westbound			
Time	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks
7:00 AM - 7:15 AM	24	10	15	0	7	10	35	1	8	37	4	2	18	51	3	3
7:15 AM - 7:30 AM	8	12	18	5	9	16	40	1	7	55	5	0	26	47	3	2
7:30 AM - 7:45 AM	11	5	16	0	13	24	49	1	12	39	3	2	31	76	3	0
7:45 AM - 8:00 AM	45	11	19	0	9	26	62	2	12	47	10	4	31	84	3	4
8:00 AM - 8:15 AM	60	26	15	0	12	28	60	4	18	39	4	0	33	76	2	7
8:15 AM - 8:30 AM	9	18	24	3	12	42	37	2	9	49	10	4	33	82	2	4
8:30 AM - 8:45 AM	12	17	18	3	7	35	30	0	12	32	6	3	34	71	4	4
8:45 AM - 9:00 AM	9	28	27	2	4	40	31	1	14	33	6	3	28	65	9	3
TOTAL	178	127	152	13	73	221	344	12	92	331	48	18	234	552	29	27

	Northbound				Southbound				Eastbound				Westbound			
Time	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks
4:00 PM - 4:15 PM	15	52	57	3	8	29	28	2	26	68	10	2	40	71	13	0
4:15 PM - 4:30 PM	13	41	49	2	5	33	31	2	30	70	13	0	35	62	11	2
4:30 PM - 4:45 PM	19	47	56	1	5	26	26	1	22	67	4	1	34	67	14	0
4:45 PM - 5:00 PM	18	48	51	2	14	34	35	3	28	48	12	4	32	65	11	4
5:00 PM - 5:15 PM	15	55	59	2	9	26	43	1	27	57	10	2	25	48	10	2
5:15 PM - 5:30 PM	24	43	54	2	10	35	25	0	20	67	15	0	37	61	13	1
5:30 PM - 5:45 PM	21	44	34	3	7	27	29	1	26	55	25	3	21	52	15	1
5:45 PM - 6:00 PM	13	35	33	1	4	26	25	2	36	52	10	3	31	54	8	0
TOTAL	138	365	393	16	62	236	242	12	215	484	99	15	255	480	95	10

	Northbound				Southbound				Eastbound				Westbound			
PEAK HOUR	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks	Left	Thru	Right	Trucks
7:30 AM - 8:30 AM	125	60	74	3	46	120	208	9	51	174	27	10	128	318	10	15
4:00 PM - 5:00 PM	65	188	213	8	32	122	120	8	106	253	39	7	141	265	49	6

	PHF	Trucks
AM	0.899	2.8%
PM	0.955	1.8%





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Morro Bay, CA 93442

LOCATION Main St @ SR 41
COUNTY San Luis Obispo
COLLECTION DATE Thursday, February 1, 2018

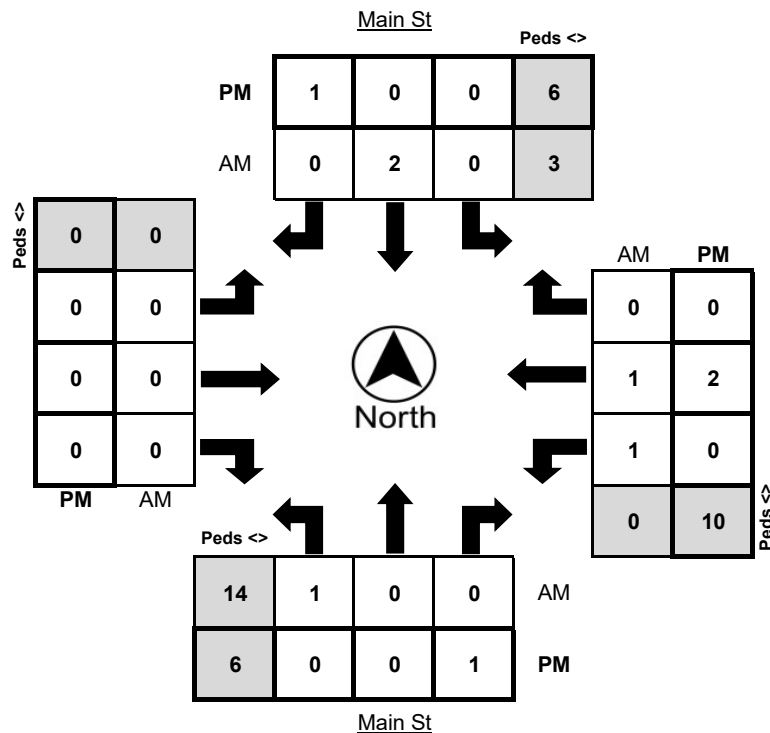
LATITUDE 35.3802
LONGITUDE -120.8548
WEATHER Clear

Time	Northbound Bikes			N.Leg Peds	Southbound Bikes			S.Leg Peds	Eastbound Bikes			E.Leg Peds	Westbound Bikes			W.Leg Peds
	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
7:00 AM - 7:15 AM	2	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0
7:15 AM - 7:30 AM	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
7:30 AM - 7:45 AM	0	0	0	1	0	0	0	2	0	0	0	0	1	1	0	0
7:45 AM - 8:00 AM	0	0	0	2	0	2	0	5	0	0	0	0	0	0	0	0
8:00 AM - 8:15 AM	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
8:15 AM - 8:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
8:30 AM - 8:45 AM	0	1	0	1	0	0	0	1	0	0	2	0	0	0	0	0
8:45 AM - 9:00 AM	8	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
TOTAL	11	1	0	6	0	4	1	17	0	0	2	1	1	1	0	0

Time	Northbound Bikes			N.Leg Peds	Southbound Bikes			S.Leg Peds	Eastbound Bikes			E.Leg Peds	Westbound Bikes			W.Leg Peds
	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
4:00 PM - 4:15 PM	0	0	1	0	0	0	0	3	0	0	0	1	0	2	0	0
4:15 PM - 4:30 PM	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0
4:30 PM - 4:45 PM	0	0	0	3	0	0	0	2	0	0	0	4	0	0	0	0
4:45 PM - 5:00 PM	0	0	0	3	0	0	1	0	0	0	0	3	0	0	0	0
5:00 PM - 5:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
5:15 PM - 5:30 PM	0	0	0	1	0	0	0	2	0	0	0	1	0	2	0	0
5:30 PM - 5:45 PM	0	0	0	2	0	0	0	1	1	1	2	1	0	1	0	0
5:45 PM - 6:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
TOTAL	0	0	1	9	0	0	1	11	1	1	2	12	0	6	0	0

PEAK HOUR	Northbound Bikes			N.Leg Peds	Southbound Bikes			S.Leg Peds	Eastbound Bikes			E.Leg Peds	Westbound Bikes			W.Leg Peds
	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
7:30 AM - 8:30 AM	1	0	0	3	0	2	0	14	0	0	0	0	1	1	0	0
4:00 PM - 5:00 PM	0	0	1	6	0	0	1	6	0	0	0	10	0	2	0	0

	Bikes	Peds
AM Peak Total	5	17
PM Peak Total	4	22





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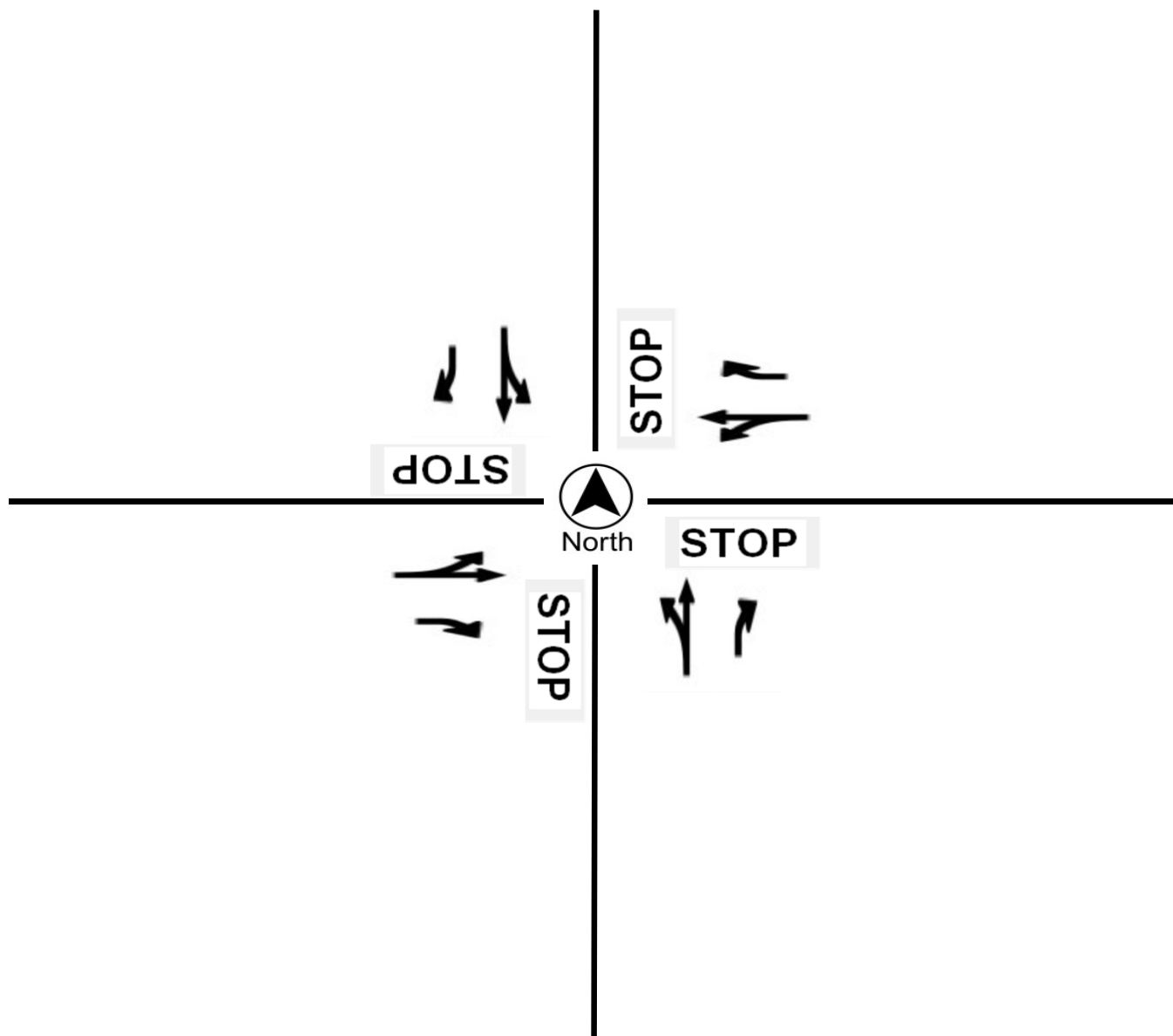
Turning Movement Report

Prepared For:
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895 Napa Avenue, Suite A-6
Morro Bay, CA 93442

LOCATION _____ Main St @ SR 41
COUNTY _____ San Luis Obispo
COLLECTION DATE _____ Thursday, February 1, 2018
CYCLE TIME _____ N/A

N/S STREET _____ Main St
E/W STREET _____ SR 41
WEATHER _____ Clear
CONTROL TYPE _____ All-Way Stop

COMMENTS



Appendix B: LOS Calculation Sheets

Existing

Morro Bay Atascadero Road Hotel
1: Atascadero Road & Project Driveway

Existing AM
HCM 6th TWSC

Intersection						
Int Delay, s/veh	0					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↱	↱		↰	↰
Traffic Vol, veh/h	0	0	0	0	0	0
Future Vol, veh/h	0	0	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	0	0	0	0	0

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	1	0	1
Stage 1	-	-	1
Stage 2	-	-	0
Critical Hdwy	4.12	-	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	2.218	-	3.318
Pot Cap-1 Maneuver	1622	-	1022
Stage 1	-	-	1022
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1622	-	1022
Mov Cap-2 Maneuver	-	-	1022
Stage 1	-	-	1022
Stage 2	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1622	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Morro Bay Atascadero Road Hotel
2: SR 1 SB On-Ramp/SR 1 SB Off-Ramp & Atascadero Road

Existing AM
HCM 6th TWSC

Intersection												
Int Delay, s/veh	6.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↱	↱		↱						↱	↱
Traffic Vol, veh/h	0	117	139	356	316	0	0	0	0	32	0	88
Future Vol, veh/h	0	117	139	356	316	0	0	0	0	32	0	88
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	50	-	-	-	-	-	-	-	-	240
Veh in Median Storage, #	-	0	-	-	0	-	-	16974	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	85	85	85	85	85	85	85	85	85	85	85	85
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	0	138	164	419	372	0	0	0	0	38	0	104

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	-	0	302
Stage 1	-	-	1210
Stage 2	-	-	220
Critical Hdwy	-	-	4.13
Critical Hdwy Stg 1	-	-	5.43
Critical Hdwy Stg 2	-	-	5.43
Follow-up Hdwy	-	-	2.227
Pot Cap-1 Maneuver	0	-	1253
Stage 1	0	-	1253
Stage 2	0	-	1253
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1253
Mov Cap-2 Maneuver	-	-	1253
Stage 1	-	-	1253
Stage 2	-	-	1253

Approach	EB	WB	SB
HCM Control Delay, s	0	4.9	28.6
HCM LOS			D

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1253	-	86	672
HCM Lane V/C Ratio	-	-	0.334	-	0.438	0.154
HCM Control Delay (s)	-	-	9.3	0	76.1	11.3
HCM Lane LOS	-	-	A	A	F	B
HCM 95th %tile Q(veh)	-	-	1.5	-	1.8	0.5

Morro Bay Atascadero Road Hotel
3: Main Street & Atascadero Road

Existing AM
HCM 6th AWSC

Intersection	
Intersection Delay, s/veh	22.9
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔		↔	↔			↔	↔		↔	↔
Traffic Vol, veh/h	51	174	27	128	318	10	125	60	74	46	120	208
Future Vol, veh/h	51	174	27	128	318	10	125	60	74	46	120	208
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	57	193	30	142	353	11	139	67	82	51	133	231
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay	25.3	29.2	17.8	17.1
HCM LOS	D	D	C	C

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	68%	0%	20%	100%	0%	28%	0%
Vol Thru, %	32%	0%	69%	0%	97%	72%	0%
Vol Right, %	0%	100%	11%	0%	3%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	185	74	252	128	328	166	208
LT Vol	125	0	51	128	0	46	0
Through Vol	60	0	174	0	318	120	0
RT Vol	0	74	27	0	10	0	208
Lane Flow Rate	206	82	280	142	364	184	231
Geometry Grp	7	7	6	7	7	7	7
Degree of Util (X)	0.502	0.176	0.645	0.331	0.794	0.429	0.482
Departure Headway (Hd)	8.787	7.708	8.287	8.375	7.839	8.382	7.512
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	411	465	437	431	463	432	481
Service Time	6.536	5.457	6.336	6.092	5.555	6.103	5.232
HCM Lane V/C Ratio	0.501	0.176	0.641	0.329	0.786	0.426	0.48
HCM Control Delay	20.1	12.1	25.3	15.2	34.6	17.3	17
HCM Lane LOS	C	B	D	C	D	C	C
HCM 95th-ile Q	2.7	0.6	4.4	1.4	7.2	2.1	2.6

Morro Bay Atascadero Road Hotel
1: Atascadero Road & Project Driveway

Existing PM
HCM 6th TWSC

Intersection						
Int Delay, s/veh	0					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↕	↕		↕	
Traffic Vol, veh/h	0	226	220	0	0	0
Future Vol, veh/h	0	226	220	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	246	239	0	0	0

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	239	0	485
Stage 1	-	-	239
Stage 2	-	-	246
Critical Hdwy	4.12	-	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	2.218	-	3.518
Pot Cap-1 Maneuver	1328	-	541
Stage 1	-	-	801
Stage 2	-	-	795
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1328	-	541
Mov Cap-2 Maneuver	-	-	541
Stage 1	-	-	801
Stage 2	-	-	795

Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1328	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	0
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	-

Morro Bay Atascadero Road Hotel
2: SR 1 SB On-Ramp/SR 1 SB Off-Ramp & Atascadero Road

Existing PM
HCM 6th TWSC

Intersection												
Int Delay, s/veh	6.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕	↕		↕						↕	↕
Traffic Vol, veh/h	0	112	114	276	188	0	0	0	0	65	5	32
Future Vol, veh/h	0	112	114	276	188	0	0	0	0	65	5	32
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	50	-	-	-	-	-	-	-	-	240
Veh in Median Storage, #	-	0	-	-	0	-	-	16974	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	120	123	297	202	0	0	0	0	70	5	34

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	-	0	978
Stage 1	-	-	796
Stage 2	-	-	182
Critical Hdwy	-	-	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	-	-	3.518
Pot Cap-1 Maneuver	0	-	278
Stage 1	0	-	444
Stage 2	0	-	849
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	208
Mov Cap-2 Maneuver	-	-	208
Stage 1	-	-	332
Stage 2	-	-	849

Approach	EB	WB	SB
HCM Control Delay, s	0	5.1	24.8
HCM LOS			C

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1323	-	208	839
HCM Lane V/C Ratio	-	-	0.224	-	0.362	0.041
HCM Control Delay (s)	-	-	8.5	0	31.8	9.5
HCM Lane LOS	-	-	A	A	D	A
HCM 95th %tile Q(veh)	-	-	0.9	-	1.6	0.1

Morro Bay Atascadero Road Hotel
3: Main Street & Atascadero Road

Existing PM
HCM 6th AWSC

Intersection	
Intersection Delay, s/veh	35.8
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔		↔	↔			↔	↔		↔	↔
Traffic Vol, veh/h	106	253	39	141	265	49	65	188	213	32	122	120
Future Vol, veh/h	106	253	39	141	265	49	65	188	213	32	122	120
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	110	264	41	147	276	51	68	196	222	33	127	125
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay	70.7	29.4	23.2	17.1
HCM LOS	F	D	C	C

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	26%	0%	27%	100%	0%	21%	0%
Vol Thru, %	74%	0%	64%	0%	84%	79%	0%
Vol Right, %	0%	100%	10%	0%	16%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	253	213	398	141	314	154	120
LT Vol	65	0	106	141	0	32	0
Through Vol	188	0	253	0	265	122	0
RT Vol	0	213	39	0	49	0	120
Lane Flow Rate	264	222	415	147	327	160	125
Geometry Grp	7	7	6	7	7	7	7
Degree of Util (X)	0.653	0.497	0.987	0.373	0.772	0.418	0.297
Departure Headway (Hd)	8.925	8.06	8.571	9.134	8.501	9.391	8.547
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	406	446	423	394	425	383	420
Service Time	6.684	5.819	6.626	6.894	6.261	7.156	6.312
HCM Lane V/C Ratio	0.65	0.498	0.981	0.373	0.769	0.418	0.298
HCM Control Delay	27.1	18.6	70.7	17.3	34.8	18.8	14.9
HCM Lane LOS	D	C	F	C	D	C	B
HCM 95th-tile Q	4.5	2.7	12.1	1.7	6.6	2	1.2

Existing Plus Project

Morro Bay Atascadero Road Hotel
1: Atascadero Road & Project Driveway

Existing Plus Project AM
HCM 6th TWSC

Intersection						
Int Delay, s/veh	0.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↖	↖		↖	
Traffic Vol, veh/h	3	256	404	23	16	2
Future Vol, veh/h	3	256	404	23	16	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	3	278	439	25	17	2

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	464	0	736
Stage 1	-	-	452
Stage 2	-	-	284
Critical Hdwy	4.12	-	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	2.218	-	3.318
Pot Cap-1 Maneuver	1097	-	386
Stage 1	-	-	641
Stage 2	-	-	764
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1097	-	385
Mov Cap-2 Maneuver	-	-	385
Stage 1	-	-	639
Stage 2	-	-	764

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	14.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1097	-	-	-	401
HCM Lane V/C Ratio	0.003	-	-	-	0.049
HCM Control Delay (s)	8.3	0	-	-	14.4
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.2

Morro Bay Atascadero Road Hotel
2: SR 1 SB On-Ramp/SR 1 SB Off-Ramp & Atascadero Road

Existing Plus Project AM
HCM 6th TWSC

Intersection												
Int Delay, s/veh	6.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↖	↖		↖						↖	↖
Traffic Vol, veh/h	0	128	144	356	331	0	0	0	0	32	0	96
Future Vol, veh/h	0	128	144	356	331	0	0	0	0	32	0	96
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	50	-	-	-	-	-	-	-	-	240
Veh in Median Storage, #	-	0	-	-	0	-	-	16974	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	85	85	85	85	100	100	85	85	85	85	85	85
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	0	151	169	419	331	0	0	0	0	38	0	113

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	-	0	320
Stage 1	-	-	1169
Stage 2	-	-	236
Critical Hdwy	-	-	4.13
Critical Hdwy Stg 1	-	-	5.43
Critical Hdwy Stg 2	-	-	5.43
Follow-up Hdwy	-	-	2.227
Pot Cap-1 Maneuver	0	-	1234
Stage 1	0	-	294
Stage 2	0	-	801
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1234
Mov Cap-2 Maneuver	-	-	89
Stage 1	-	-	172
Stage 2	-	-	801

Approach	EB	WB	SB
HCM Control Delay, s	0	5.3	26.3
HCM LOS			D

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1234	-	89	708
HCM Lane V/C Ratio	-	-	0.339	-	0.423	0.16
HCM Control Delay (s)	-	-	9.4	0	72.3	11
HCM Lane LOS	-	-	A	A	F	B
HCM 95th %tile Q(veh)	-	-	1.5	-	1.7	0.6

Morro Bay Atascadero Road Hotel
3: Main Street & Atascadero Road

Existing Plus Project AM
HCM 6th AWSC

Intersection	
Intersection Delay, s/veh	23.8
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔		↔	↔			↔	↔		↔	↔
Traffic Vol, veh/h	53	176	29	128	321	10	128	60	74	46	120	211
Future Vol, veh/h	53	176	29	128	321	10	128	60	74	46	120	211
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	59	196	32	142	357	11	142	67	82	51	133	234
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay	26.6	30.5	18.3	17.5
HCM LOS	D	D	C	C

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	68%	0%	21%	100%	0%	28%	0%
Vol Thru, %	32%	0%	68%	0%	97%	72%	0%
Vol Right, %	0%	100%	11%	0%	3%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	188	74	258	128	331	166	211
LT Vol	128	0	53	128	0	46	0
Through Vol	60	0	176	0	321	120	0
RT Vol	0	74	29	0	10	0	211
Lane Flow Rate	209	82	287	142	368	184	234
Geometry Grp	7	7	6	7	7	7	7
Degree of Util (X)	0.514	0.178	0.665	0.334	0.809	0.432	0.494
Departure Headway (Hd)	8.862	7.779	8.347	8.453	7.916	8.43	7.587
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	407	460	433	428	460	428	476
Service Time	6.616	5.533	6.4	6.163	5.626	6.181	5.31
HCM Lane V/C Ratio	0.514	0.178	0.663	0.332	0.8	0.43	0.492
HCM Control Delay	20.7	12.2	26.6	15.3	36.4	17.5	17.5
HCM Lane LOS	C	B	D	C	E	C	C
HCM 95th-tile Q	2.8	0.6	4.7	1.4	7.5	2.1	2.7

Morro Bay Atascadero Road Hotel
1: Atascadero Road & Project Driveway

Existing Plus Project PM
HCM 6th TWSC

Intersection							
Int Delay, s/veh	0.6						
Movement	EBL	EBT	WBT	WBR	SBL	SBR	
Lane Configurations		↔	↔		↔	↔	
Traffic Vol, veh/h	3	226	220	23	22	2	
Future Vol, veh/h	3	226	220	23	22	2	
Conflicting Peds, #/hr	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Stop	Stop	
RT Channelized	-	None	-	None	-	None	
Storage Length	-	-	-	-	0	-	
Veh in Median Storage, #	-	0	0	-	0	-	
Grade, %	-	0	0	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	
Mvmt Flow	3	246	239	25	24	2	

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	264	0	0	504	252
Stage 1	-	-	-	252	-
Stage 2	-	-	-	252	-
Critical Hdwy	4.12	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	3.518	3.318
Pot Cap-1 Maneuver	1300	-	-	528	787
Stage 1	-	-	-	790	-
Stage 2	-	-	-	790	-
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	1300	-	-	526	787
Mov Cap-2 Maneuver	-	-	-	526	-
Stage 1	-	-	-	788	-
Stage 2	-	-	-	790	-

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	12
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1300	-	-	-	541
HCM Lane V/C Ratio	0.003	-	-	-	0.048
HCM Control Delay (s)	7.8	0	-	-	12
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.2

Morro Bay Atascadero Road Hotel
2: SR 1 SB On-Ramp/SR 1 SB Off-Ramp & Atascadero Road

Existing Plus Project PM
HCM 6th TWSC

Intersection													
Int Delay, s/veh	6.1												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		↔	↔		↔						↔	↔	
Traffic Vol, veh/h	0	126	121	276	203	0	0	0	0	65	5	40	
Future Vol, veh/h	0	126	121	276	203	0	0	0	0	65	5	40	
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop	
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None	
Storage Length	-	-	50	-	-	-	-	-	-	-	-	240	
Veh in Median Storage, #	-	0	-	-	0	-	-	16974	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93	
Heavy Vehicles, %	2	2	2	2	2	25	2	2	2	2	2	2	
Mvmt Flow	0	135	130	297	218	0	0	0	0	70	5	43	

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	-	0	0	265	0
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	-	-	4.12	-
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	-	-	2.218	-
Pot Cap-1 Maneuver	0	-	-	1299	-
Stage 1	0	-	-	-	0
Stage 2	0	-	-	-	0
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	-	1299	-
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s	0	4.9	25.4
HCM LOS			D

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1299	-	196	822
HCM Lane V/C Ratio	-	-	0.228	-	0.384	0.052
HCM Control Delay (s)	-	-	8.6	0	34.4	9.6
HCM Lane LOS	-	-	A	A	D	A
HCM 95th %tile Q(veh)	-	-	0.9	-	1.7	0.2

Morro Bay Atascadero Road Hotel
3: Main Street & Atascadero Road

Existing Plus Project PM
HCM 6th AWSC

Intersection	
Intersection Delay, s/veh	37.2
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔		↔	↔			↔	↔		↔	↔
Traffic Vol, veh/h	108	255	41	141	268	49	68	188	213	32	122	123
Future Vol, veh/h	108	255	41	141	268	49	68	188	213	32	122	123
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	113	266	43	147	279	51	71	196	222	33	127	128
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay	76	29.6	23.2	17.1
HCM LOS	F	D	C	C

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	27%	0%	27%	100%	0%	21%	0%
Vol Thru, %	73%	0%	63%	0%	85%	79%	0%
Vol Right, %	0%	100%	10%	0%	15%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	256	213	404	141	317	154	123
LT Vol	68	0	108	141	0	32	0
Through Vol	188	0	255	0	268	122	0
RT Vol	0	213	41	0	49	0	123
Lane Flow Rate	267	222	421	147	330	160	128
Geometry Grp	7	7	6	7	7	7	7
Degree of Util (X)	0.653	0.492	1.008	0.369	0.774	0.413	0.301
Departure Headway (Hd)	9.024	8.153	8.624	9.219	8.587	9.492	8.648
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	403	446	425	392	423	382	418
Service Time	6.724	5.853	6.618	6.919	6.287	7.192	6.348
HCM Lane V/C Ratio	0.663	0.498	0.991	0.375	0.78	0.419	0.306
HCM Control Delay	27.2	18.5	76	17.2	35.1	18.7	15
HCM Lane LOS	D	C	F	C	E	C	B
HCM 95th-ile Q	4.5	2.7	12.8	1.7	6.6	2	1.2

Appendix C: Signal Warrant Analysis Sheets

Traffic Signal Warrant Analysis

Warrants 1 - 3 (Volume Warrants)

Project Name	Morro Bay Atascadero Road Hotel
Project/File #	2018_98
Scenario	Existing Plus Project

Intersection Information			
Major Street (E/W Road)	SR 41	Minor Street (N/S Road)	SR 1 SB Ramps
Analyzed with	1 approach lane	Analyzed with	2 or more approach lanes
Total Approach Volume	1685 vehicles	Total Approach Volume	238 vehicles
Total Ped/Bike Volume	0 crossings	Total Ped/Bike Volume	0 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0 percent applied

No high speed or isolated community reduction applied to the Volume Warrant thresholds.

Warrant 1, Eight Hour Vehicular Volume			
	Condition A	Condition B	Condition A+B*
Condition Satisfied?	Not Satisfied	Not Satisfied	Not Satisfied
Required values reached for	0 hours	1 hour	0 (Cond. A) & 2 (Cond. B)
Criteria - Major Street (veh/hr)	500	750	400 (Cond. A) & 600 (Cond. B)
Criteria - Minor Street (veh/hr)	200	100	160 (Cond. A) & 80 (Cond. B)

* Should be applied only after an adequate trial of other alternatives that could cause less delay and inconvenience to traffic has failed to solve the traffic problems.

Warrant 2, Four Hour Vehicular Volume	
Condition Satisfied?	Not Satisfied
Required values reached for	0 hours
Criteria	See Figure Below

Warrant 3, Peak Hour Vehicular Volume		
	Condition A	Condition B
Condition Satisfied?	Not Satisfied	Not Satisfied
Required values reached for	1087 total, 128 minor, 10.1 delay	0 hours
Criteria - Total Approach Volume (veh in one hour)	800	See Figure Below
Criteria - Minor Street High Side Volume (veh in one hour)	150	
Criteria - Minor Street High Side Delay (veh-hrs)	5	

Figure 4C-1 (Warrant 2) & Figure 4C-3 (Warrant 3)

