

# **AIR QUALITY & GREENHOUSE GAS IMPACT ASSESSMENT**

**FOR THE PROPOSED**

## **RICHARDS RANCH PROJECT**

**SANTA MARIA, CA**

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### APPENDICES

Appendix A: Emissions Modeling

## LIST OF COMMON TERMS & ACRONYMS

AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ACM	Asbestos-Containing Material
APS	Alternative Planning Strategy
AQAP	Air Quality Attainment Plan
ARB	California Air Resources Board
C <sub>2</sub> F <sub>6</sub>	Perfluoroethane
C <sub>4</sub> F <sub>10</sub>	Perfluorobutane
C <sub>4</sub> F <sub>8</sub>	Perfluorocyclobutane
C <sub>5</sub> F <sub>12</sub>	Perfluoropentane
C <sub>6</sub> F <sub>14</sub>	Perfluorohexane
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CBC	California Building Code
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CF <sub>4</sub>	Perfluoromethane
CH <sub>4</sub>	Methane
CMP	Congestion Management Program
CNG	Compressed Natural Gas
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
DPM	Diesel-Exhaust Particulate Matter or Diesel-Exhaust PM
EIR	Environmental Impact Report
EV	Electric Vehicle
FCAA	Federal Clean Air Act
GHG	Greenhouse Gases
GWP	Global Warming Potential
HAP	Hazardous Air Pollutant
HFC	Hydrofluorocarbons
ITE	Institute of Transportation Engineers
LNG	Liquefied Natural Gas
LOS	Level of Service
MMT	Million Metric Tons
MPO	Metropolitan Planning Organization
MTCO <sub>2</sub> e	Million Metric Tons of Carbon Dioxide
N <sub>2</sub> O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NESHAPs	National Emission Standards for HAPs
NF <sub>3</sub>	Nitrogen Trifluoride
NHTSA	National Highway Traffic Safety Administration
NO <sub>2</sub>	Nitrogen Dioxide
NOA	Naturally-Occurring Asbestos
NO <sub>x</sub>	Oxides of Nitrogen
O <sub>3</sub>	Ozone



OAP	Odor Abatement Plan
Pb	Lead
PFC	Perfluorocarbons
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter (less than 10 µm)
PM <sub>2.5</sub>	Particulate Matter (less than 2.5 µm)
ppb	Parts per Billion
ppm	Parts per Million
PV	Photovoltaic
ROC	Reactive Organic Compounds
ROG	Reactive Organic Gases
RTP	Regional Transportation Plan
SAFE	Safer Affordable Fuel-Efficient
SB	Senate Bill
SBCAG	Santa Barbara County Association of Governments
SBCAPCD	Santa Barbara County Air Pollution Control District
SCAQMD	South Coast Air Quality Management District
SCCAB	South Central Coast Air Basin
SCS	Sustainable Communities Strategy
SF <sub>6</sub>	Sulfur Hexafluoride
SJVAPCD	San Joaquin Valley Air Pollution Control District
SLCP	Short-lived Climate Pollutant
SLOAPCD	San Luis Obispo County Air Pollution Control District
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO <sub>2</sub>	Sulfur Dioxide
SP	Service Population
TAC	Toxic Air Contaminant
TCM	Transportation Control Measures
U.S. EPA	United State Environmental Protection Agency
VMT	Vehicle Miles Traveled
µg/m <sup>3</sup>	Micrograms per cubic meter
µm	Micrometer



# INTRODUCTION

This report provides an analysis of air quality and greenhouse gas impacts associated with the proposed Richards Ranch Annexation 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.

## PROJECT DESCRIPTION

The proposed Richards Ranch Annexation Project would include the annexation, pre-zoning, and a conceptual development plan for approximately 43.75 acres of property located in unincorporated Santa Barbara County (County) by the City of Santa Maria (City). This is a mixed commercial/residential project which includes a total of 495 residential units, including 400 apartments and 95 townhomes and an approximate buildout of 130,000 square feet of commercial uses. As identified in the Santa Barbara County Orcutt Community Plan, the current land use designation is Mixed Commercial/Residential, which provides for general commercial, office, and professional, and residential uses. All four parcels have a zoning designation of Retail Commercial (C-2). The proposed project's site plan is depicted in Figure AQ-1 and Figure AQ-2.

## AIR QUALITY

### Existing Setting

The project is located in unincorporated Santa Barbara county by the city of Santa Maria, which is within the South Central Coast Air Basin (SCCAB) and jurisdiction of the Santa Barbara County Air Pollution Control District (SBCAPCD). Air quality in the SCCAB is influenced by a variety of factors, including topography and meteorology.

### Nearby Land Uses

Land uses located near the project site include a mix of agricultural and residential land uses. The nearest agricultural land uses are located approximately 175 feet to the west. The nearest residential land uses include single-family residences located approximately 35-45 feet to the north, east, south, and west (refer to Figure AQ-2).

### Topography

The city of Santa Maria is located in the northern portion of Santa Barbara county. The Santa Maria Valley, a roughly east-west trending valley, is in northern Santa Barbara County. The Valley is bound by the Nipomo Mesa and Sierra Madre Mountains on the north and east, by the Solomon Hills and Casmalia Hills on the south, and by the Guadalupe Dunes and Pacific Ocean on the west. In combination with the Solomon Hills, the Casmalia Hills form the highly visible southern boundary of the Santa Maria Valley.

### Meteorology

The air quality in Santa Barbara county is influenced by both local topography and meteorological conditions. Surface and upper-level wind flow vary both seasonally and geographically in the county and inversion conditions common to the area can affect the vertical mixing and dispersion of pollutants. The prevailing wind flow patterns in the county are not necessarily those that cause high ozone values. High ozone values are often associated with atypical wind flow patterns. Meteorological and topographical influences are important to air quality in Santa Barbara County. Semi-permanent high pressure that lies off the Pacific Coast leads to limited rainfall (around 18 inches per year), with warm, dry summers and relatively damp winters. Maximum summer temperatures average about 70 degrees Fahrenheit near the coast and in the high 80s to 90s inland. During winter, average minimum temperatures range from the 40s along the coast to the 30s inland. Additionally, cool, humid, marine air causes frequent fog and low clouds along the coast,

generally during the night and morning hours in the late spring and early summer. The fog and low clouds can persist for several days until broken up by a change in the weather pattern (SBCAPCD 2001).

In the northern portion of the county (north of the ridgeline of the Santa Ynez Mountains), the sea breeze (from sea to land) is typically northwesterly throughout the year while the prevailing sea breeze in the southern portion of the county is from the southwest. During summer, these winds are stronger and persist later into the night. At night, the sea breeze weakens and is replaced by light land breezes (from land to sea). The alternation of the land-sea breeze cycle can sometimes produce a "sloshing" effect, where pollutants are swept offshore at night and subsequently carried back onshore during the day. This effect is exacerbated during periods when wind speeds are low (SBCAPCD 2001).

The terrain around Point Conception, combined with the change in orientation of the coastline from north-south to east-west can cause counterclockwise circulation (eddies) to form east of the Point. These eddies fluctuate temporally and spatially, often leading to highly variable winds along the southern coastal strip. Point Conception also marks the change in the prevailing surface winds from northwesterly to southwesterly (SBCAPCD 2001).

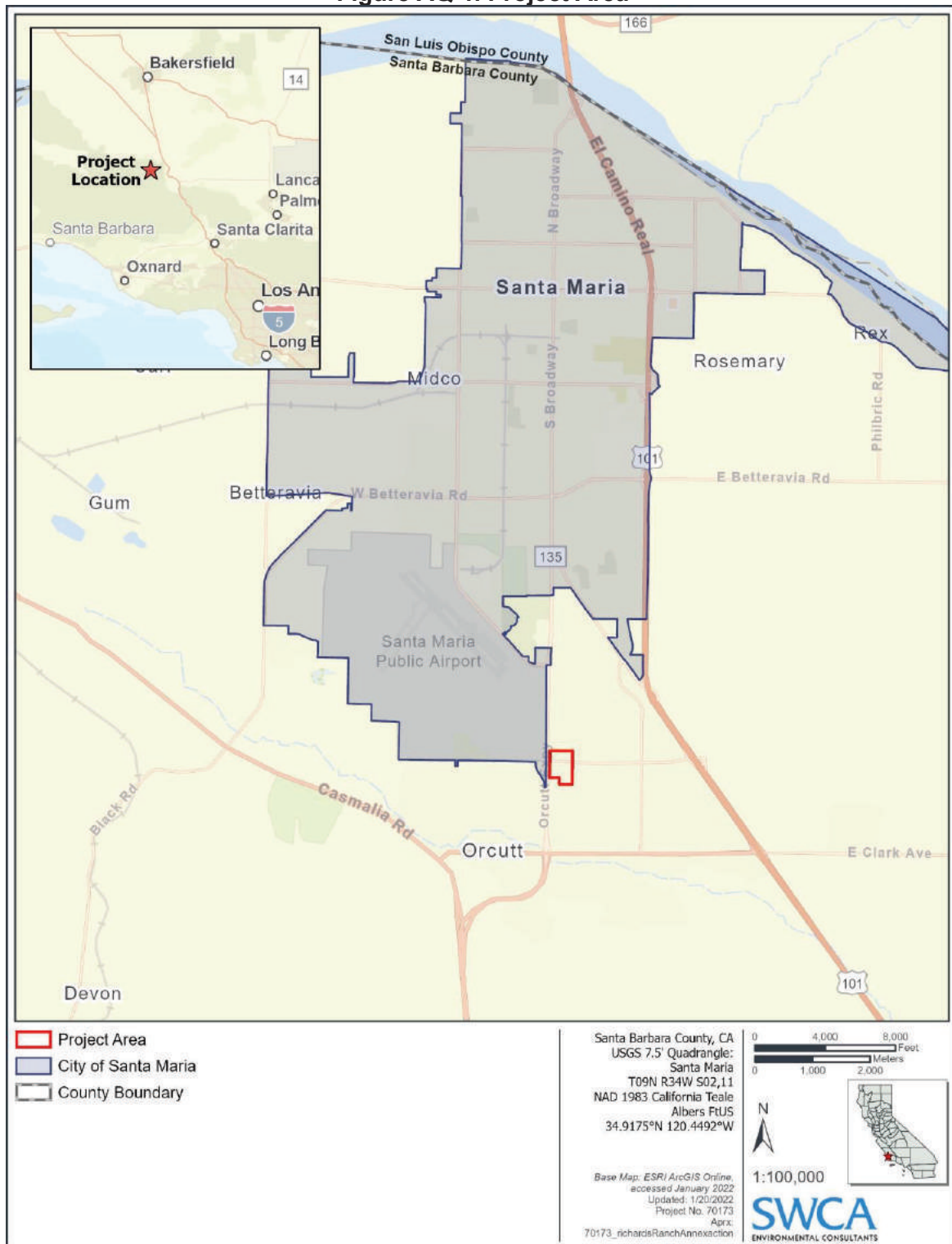
Santa Ana winds are northeasterly winds that occur primarily during fall and winter, but occasionally in spring. These are warm, dry winds blown from the high inland desert that descend down the slopes of a mountain range. Wind speeds associated with Santa Ana's are generally 15-20 mph, though they can sometimes reach speeds in excess of 60 mph. During Santa Ana conditions, pollutants emitted in Santa Barbara county, Ventura county, and the South Coast Air Basin (the Los Angeles region) are moved out to sea. These pollutants can then be moved back onshore into Santa Barbara County in what is called a "post-Santa Ana condition." The effects of the post-Santa Ana condition can be experienced throughout the county. Not all post-Santa Ana conditions, however, lead to high pollutant concentrations in Santa Barbara county (SBCAPCD 2001).

Upper-level winds (measured at Vandenberg Air Force Base once each morning and afternoon) are generally from the north or northwest throughout the year, but occurrences of southerly and easterly winds do occur in winter, especially during the morning. Upper-level winds from the south and east are infrequent during the summer. When they do occur during summer, they are usually associated with periods of high ozone levels. Surface and upper-level winds can move pollutants that originate in other areas into the county (SBCAPCD 2001).

Surface temperature inversions (0-500 ft) are most frequent during the winter, and subsidence inversions (1000-2000 ft) are most frequent during the summer. Inversions are an increase in temperature with height and are directly related to the stability of the atmosphere. Inversions act as a cap to the pollutants that are emitted below or within them and ozone concentrations are often higher directly below the base of elevated inversions than they are at the earth's surface. For this reason, elevated monitoring sites will occasionally record higher ozone concentrations than sites at lower elevations. Generally, the lower the inversion base height and the greater the rate of temperature increase from the base to the top, the more pronounced effect the inversion will have on inhibiting vertical dispersion. The subsidence inversion is very common during summer along the California coast and is one of the principal causes of air stagnation (SBCAPCD 2001).

Poor air quality is usually associated with "air stagnation" (high stability/restricted air movement). Therefore, it is reasonable to expect a higher frequency of pollution events in the southern portion of the county where light winds are frequently observed, as opposed to the northern part of the county where the prevailing winds are usually strong and persistent (SBCAPCD 2001).

**Figure AQ-1. Project Area**



(SWCA 2022)



Figure AQ-2. Project Site Plan



(SWCA 2022)

## 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.

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.

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.

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. 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 Federal Clean Air Act (FCAA) 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 U.S. 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 FCAA 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 AQ-1. Within the SCCAB, the air pollutants of primary concern, with regard to human health, include ozone (O<sub>3</sub>), particulate matter (PM), and carbon monoxide (CO). As depicted in Table AQ-1, exposure to increased pollutant concentrations of O<sub>3</sub>, PM, and CO can result in various heart and lung ailments, cardiovascular and nervous system impairment, and death.

## 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 SBCAPCD does not have an individual rule or regulation that specifically addresses odors; however, odors would be applicable to SBCAPCD Rule 303, Nuisance. Any actions related to odors would be based on citizen complaints to local governments and the SBCAPCD. The SBCAPCD recommends that odor impacts be addressed in a qualitative manner. Such 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 Ambient Air Quality Standards (AAQS). TACs are not considered criteria pollutants in that the FCAA and CCAA do not address them specifically through the setting of National or State AAQS. Instead, the U.S. EPA and California Air Resources Board (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 level, 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.

The exposure to TACs can lead to acute health problems shortly after exposure from minor effects such as watery eyes, or more serious life threats such as respiratory damage. Other health problems may not appear until many months or years after a person's first exposure to the toxic air pollutant. Cancer is one example of a delayed health problem. (EPA 1991)

At the local level, air districts have authority over stationary or industrial sources. For SBCAPCD, if a project may emit TACs, or if toxic contaminants may already be present at the project site, and there are sensitive receptors nearby, a screening health risk assessment using worst-case scenario assumptions may be warranted.

Within California, TACs are regulated primarily through the Tanner Air Toxics Act (Assembly Bill [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.

The Tanner Act also sets forth a formal procedure for ARB to designate substances as TACs. The following provides a summary of the primary TACs of concern within the State of California and related health effects:



**Table AQ-1. State and Federal Criteria Air Pollutant Effects and Sources**

Pollutant	Principal Health and Atmospheric Effects	Typical Sources
Ozone (O <sub>3</sub> )	High concentrations irritate lungs. Long-term exposure may cause lung tissue damage and cancer. Long-term exposure damages plant materials and reduces crop productivity. Precursor organic compounds include many known toxic air contaminants. Biogenic VOC may also contribute.	Low-altitude ozone is almost entirely formed from reactive organic gases/volatile organic compounds (ROG or VOC) and nitrogen oxides (NO <sub>x</sub> ) in the presence of sunlight and heat. Common precursor emitters include motor vehicles and other internal combustion engines, solvent evaporation, boilers, furnaces, and industrial processes.
Respirable Particulate Matter (PM <sub>10</sub> )	Irritates eyes and respiratory tract. Decreases lung capacity. Associated with increased cancer and mortality. Contributes to haze and reduced visibility. Includes some toxic air contaminants. Many toxic and other aerosol and solid compounds are part of PM <sub>10</sub> .	Dust- and fume-producing industrial and agricultural operations; combustion smoke & vehicle exhaust; atmospheric chemical reactions; construction and other dust-producing activities; unpaved road dust and re-entrained paved road dust; natural sources.
Fine Particulate Matter (PM <sub>2.5</sub> )	Increases respiratory disease, lung damage, cancer, and premature death. Reduces visibility and produces surface soiling. Most diesel exhaust particulate matter – a toxic air contaminant – is in the PM <sub>2.5</sub> size range. Many toxic and other aerosol and solid compounds are part of PM <sub>2.5</sub> .	Combustion including motor vehicles, other mobile sources, and industrial activities; residential and agricultural burning; also formed through atmospheric chemical and photochemical reactions involving other pollutants including NO <sub>x</sub> , sulfur oxides (SO <sub>x</sub> ), ammonia, and ROG.
Carbon Monoxide (CO)	CO interferes with the transfer of oxygen to the blood and deprives sensitive tissues of oxygen. CO also is a minor precursor for photochemical ozone. Colorless, odorless.	Combustion sources, especially gasoline-powered engines and motor vehicles. CO is the traditional signature pollutant for on-road mobile sources at the local and neighborhood scale.
Nitrogen Dioxide (NO <sub>2</sub> )	Irritating to eyes and respiratory tract. Color's atmosphere reddish-brown. Contributes to acid rain & nitrate contamination of stormwater. Part of the "NO <sub>x</sub> " group of ozone precursors.	Motor vehicles and other mobile or portable engines, especially diesel; refineries; industrial operations.
Sulfur Dioxide (SO <sub>2</sub> )	Irritates respiratory tract; injures lung tissue. Can yellow plant leaves. Destructive to marble, iron, steel. Contributes to acid rain. Limits visibility.	Fuel combustion (especially coal and high-sulfur oil), chemical plants, sulfur recovery plants, metal processing; some natural sources like active volcanoes. Limited contribution possible from heavy-duty diesel vehicles if ultra-low sulfur fuel not used.
Lead (Pb)	Disturbs gastrointestinal system. Causes anemia, kidney disease, and neuromuscular and neurological dysfunction. Also, a toxic air contaminant and water pollutant.	Lead-based industrial processes like battery production and smelters. Lead paint, leaded gasoline. Aerially deposited lead from older gasoline use may exist in soils along major roads.
Visibility-Reducing Particles (VRP)	Reduces visibility. Produces haze. NOTE: not directly related to the Regional Haze program under the Federal Clean Air Act, which is oriented primarily toward visibility issues in National Parks and other "Class I" areas. However, some issues and measurement methods are similar.	See particulate matter above. May be related more to aerosols than to solid particles.
Sulfate	Premature mortality and respiratory effects. Contributes to acid rain. Some toxic air contaminants attach to sulfate aerosol particles.	Industrial processes, refineries and oil fields, mines, natural sources like volcanic areas, salt-covered dry lakes, and large sulfide rock areas.
Hydrogen Sulfide (H <sub>2</sub> S)	Colorless, flammable, poisonous. Respiratory irritant. Neurological damage and premature death. Headache, nausea. Strong odor.	Industrial processes such as: refineries and oil fields, asphalt plants, livestock operations, sewage treatment plants, and mines. Some natural sources like volcanic areas and hot springs.
Vinyl Chloride	Neurological effects, liver damage, cancer. Also considered a toxic air contaminant.	Industrial processes.
Source: CAPCOA 2021		

**Diesel Particulate Matter (DPM)** was identified as a TAC by the ARB in August 1998. DPM is emitted from both mobile and stationary sources. In California, on-road diesel-fueled vehicles contribute approximately 40% of the statewide total, with an additional 57 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources, contributing about 3 percent of emissions, include shipyards, warehouses, heavy equipment repair yards, and oil and gas production operations. Emissions from these sources are from diesel-fueled internal combustion engines. Stationary sources that report DPM emissions also include heavy construction, manufacturers of asphalt paving materials and blocks, and diesel-fueled electrical generation facilities (ARB 2013).

In October 2000, the ARB issued a report entitled: "Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles", which is commonly referred to as the Diesel Risk Reduction Plan (DRRP). The DRRP provides a mechanism for combating the DPM problem. The goal of the DRRP is to reduce concentrations of DPM by 85 percent by the year 2020, in comparison to year 2000 baseline emissions. The key elements of the DRRP are to clean up existing engines through engine retrofit emission control devices, to adopt stringent standards for new diesel engines, and to lower the sulfur content of diesel fuel to protect new, and very effective, advanced technology emission control devices on diesel engines. When fully implemented, the DRRP will significantly reduce emissions from both old and new diesel fueled motor vehicles and from stationary sources that burn diesel fuel. In addition to these strategies, the ARB continues to promote the use of alternative fuels and electrification. As a result of these actions, DPM concentrations and associated health risks in future years are projected to decline (ARB 2013, ARB 2000).

Exposure to DPM can have immediate health effects. DPM can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, Exposure to DPM also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, DPM has been identified as a carcinogen.

**Acetaldehyde** is a federal hazardous air pollutant. The ARB identified acetaldehyde as a TAC in April 1993. Acetaldehyde is both directly emitted into the atmosphere and formed in the atmosphere as a result of photochemical oxidation. Sources of acetaldehyde include emissions from combustion processes such as exhaust from mobile sources and fuel combustion from stationary internal combustion engines, boilers, and process heaters. A majority of the statewide acetaldehyde emissions can be attributed to mobile sources, including on-road motor vehicles, construction and mining equipment, aircraft, recreational boats, and agricultural equipment. Area sources of emissions include the burning of wood in residential fireplaces and wood stoves. The primary stationary sources of acetaldehyde are from fuel combustion from the petroleum industry (ARB 2013).

Acute exposure to acetaldehyde results in effects including irritation of the eyes, skin, and respiratory tract. Symptoms of chronic intoxication of acetaldehyde resemble those of alcoholism. The U.S. EPA has classified acetaldehyde as a probable human carcinogen. In California, acetaldehyde was classified on April 1, 1988, as a chemical known to the state to cause cancer (U.S. EPA 2014; ARB 2013).

**Benzene** is highly carcinogenic and occurs throughout California. The ARB identified benzene as a TAC in January 1985. A majority of benzene emitted in California (roughly 88 percent) comes from motor vehicles, including evaporative leakage and unburned fuel exhaust. These sources include on-road motor vehicles, recreational boats, off-road recreational vehicles, and lawn and garden equipment. Benzene is also formed as a partial combustion product of larger aromatic fuel components. To a lesser extent, industry-related stationary sources are also sources of benzene emissions. The primary stationary sources of reported benzene emissions are crude petroleum and natural gas mining, petroleum refining, and electric generation that involves the use of petroleum products. The primary area sources include residential combustion of various types such as cooking and water heating (ARB 2013).

Acute inhalation exposure of humans to benzene may cause drowsiness, dizziness, headaches, as well as eye, skin, and respiratory tract irritation, and, at high levels, unconsciousness. Chronic inhalation exposure has caused various disorders in the blood, including reduced numbers of red blood cells and aplastic

anemia, in occupational settings. Reproductive effects have been reported for women exposed by inhalation to high levels, and adverse effects on the developing fetus have been observed in animal tests. Increased incidences of leukemia (cancer of the tissues that form white blood cells) have been observed in humans occupationally exposed to benzene. The U.S. EPA has classified benzene as known human carcinogen for all routes of exposure (U.S. EPA 2014).

**1,3-butadiene** was identified by the ARB as a TAC in 1992. Most of the emissions of 1,3-butadiene are from incomplete combustion of gasoline and diesel fuels. Mobile sources account for a majority of the total statewide emissions. Additional sources include agricultural waste burning, open burning associated with forest management, petroleum refining, manufacturing of synthetics and man-made materials, and oil and gas extraction. The primary natural sources of 1,3-butadiene emissions are wildfires (ARB 2013).

Acute exposure to 1,3-butadiene by inhalation in humans results in irritation of the eyes, nasal passages, throat, and lungs. Epidemiological studies have reported a possible association between 1,3-butadiene exposure and cardiovascular diseases. Epidemiological studies of workers in rubber plants have shown an association between 1,3-butadiene exposure and increased incidence of leukemia. Animal studies have reported tumors at various sites from 1,3-butadiene exposure. In California, 1,3-butadiene has been identified as a carcinogen.

**Carbon Tetrachloride** was identified by the ARB as a TAC in 1987 under California's TAC program (ARB 2013). The primary stationary sources reporting emissions of carbon tetrachloride include chemical and allied product manufacturers and petroleum refineries. In the past, carbon tetrachloride was used for dry cleaning and as a grain-fumigant. Usage for these purposes is no longer allowed in the United States. Carbon tetrachloride has not been registered for pesticidal use in California since 1987. Also, the use of carbon tetrachloride in products to be used indoors has been discontinued in the United States. The statewide emissions of carbon tetrachloride are small (about 1.96 tons per year), and background concentrations account for most of the health risk (ARB 2013).

The primary effects of carbon tetrachloride in humans are on the liver, kidneys, and central nervous system. Human symptoms of acute inhalation and oral exposures to carbon tetrachloride include headache, weakness, lethargy, nausea, and vomiting. Acute exposures to higher levels and chronic (long-term) inhalation or oral exposure to carbon tetrachloride produces liver and kidney damage in humans. Human data on the carcinogenic effects of carbon tetrachloride are limited. Studies in animals have shown that ingestion of carbon tetrachloride increases the risk of liver cancer. In California, carbon tetrachloride has been identified as a carcinogen.

**Hexavalent chromium** was identified as a TAC in 1986. Sources of Hexavalent chromium include industrial metal finishing processes, such as chrome plating and chromic acid anodizing, and firebrick lining of glass furnaces. Other sources include mobile sources, including gasoline motor vehicles, trains, and ships (ARB 2013).

The respiratory tract is the major target organ for hexavalent chromium toxicity, for acute and chronic inhalation exposures. Shortness of breath, coughing, and wheezing were reported from a case of acute exposure to hexavalent chromium, while perforations and ulcerations of the septum, bronchitis, decreased pulmonary function, pneumonia, and other respiratory effects have been noted from chronic exposure. Human studies have clearly established that inhaled hexavalent chromium is a human carcinogen, resulting in an increased risk of lung cancer. In California, hexavalent chromium has been identified as a carcinogen.

**Para-Dichlorobenzene** was identified by the ARB as a TAC in April 1993. The primary area-wide sources that have reported emissions of para-dichlorobenzene include consumer products such as non-aerosol insect repellants and solid/gel air fresheners. These sources contribute nearly all of the statewide para-dichlorobenzene emissions (ARB 2013).

Acute exposure to paradichlorobenzene via inhalation results in irritation to the eyes, skin, and throat in humans. In addition, long-term inhalation exposure may affect the liver, skin, and central nervous system in humans. The U.S. EPA has classified para-dichlorobenzene as a possible human carcinogen.

**Formaldehyde** was identified by the ARB as a TAC in 1992. Formaldehyde is both directly emitted into the atmosphere and formed in the atmosphere as a result of photochemical oxidation. Photochemical oxidation is the largest source of formaldehyde concentrations in California ambient air. Directly emitted formaldehyde

is a product of incomplete combustion. One of the primary sources of directly-emitted formaldehyde is vehicular exhaust. Formaldehyde is also used in resins, can be found in many consumer products as an antimicrobial agent, and is also used in fumigants and soil disinfectants. The primary area sources of formaldehyde emissions include wood burning in residential fireplaces and wood stoves (ARB 2013).

Exposure to formaldehyde may occur by breathing contaminated indoor air, tobacco smoke, or ambient urban air. Acute and chronic inhalation exposure to formaldehyde in humans can result in respiratory symptoms, and eye, nose, and throat irritation. Limited human studies have reported an association between formaldehyde exposure and lung and nasopharyngeal cancer. Animal inhalation studies have reported an increased incidence of nasal squamous cell cancer. Formaldehyde is classified as a probable human carcinogen.

**Methylene Chloride** was identified by the ARB as a TAC in 1987. Methylene chloride is used as a solvent, a blowing and cleaning agent in the manufacture of polyurethane foam and plastic fabrication, and as a solvent in paint stripping operations. Paint removers account for the largest use of methylene chloride in California, where methylene chloride is the main ingredient in many paint stripping formulations. Plastic product manufacturers, manufacturers of synthetics, and aircraft and parts manufacturers are stationary sources reporting emissions of methylene chloride (ARB 2013).

The acute effects of methylene chloride inhalation in humans consist mainly of nervous system effects including decreased visual, auditory, and motor functions, but these effects are reversible once exposure ceases. The effects of chronic exposure to methylene chloride suggest that the central nervous system is a potential target in humans and animals. Human data are inconclusive regarding methylene chloride and cancer. Animal studies have shown increases in liver and lung cancer and benign mammary gland tumors following the inhalation of methylene chloride. In California, methylene chloride has been identified as a carcinogen.

**Perchloroethylene** was identified by the ARB as a TAC in 1991. Perchloroethylene is used as a solvent, primarily in dry cleaning operations. Perchloroethylene is also used in degreasing operations, paints and coatings, adhesives, aerosols, specialty chemical production, printing inks, silicones, rug shampoos, and laboratory solvents. In California, the stationary sources that have reported emissions of perchloroethylene are dry cleaning plants, aircraft part and equipment manufacturers, and fabricated metal product manufacturers. The primary area sources include consumer products such as automotive brake cleaners and tire sealants and inflators (ARB 2013).

Acute inhalation exposure to perchloroethylene vapors can result in irritation of the upper respiratory tract and eyes, kidney dysfunction, and at lower concentrations, neurological effects, such as reversible mood and behavioral changes, impairment of coordination, dizziness, headaches sleepiness, and unconsciousness. Chronic inhalation exposure can result in neurological effects, including sensory symptoms such as headaches, impairments in cognitive and motor neurobehavioral functioning, and color vision decrements. Cardiac arrhythmia, liver damage, and possible kidney damage may also occur. In California, perchloroethylene has been identified as a carcinogen.

## 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 (NOA), which was identified as a TAC in 1986 by ARB, is located in many parts of California and is commonly associated with ultramafic rock. Asbestos-containing material (ACM) may be present in existing structures. The demolition of existing structures may be subject to regulatory requirements for the control of ACM.

SBCAPCD states that if a residential building with more than four units or a commercial building is to be demolished or renovated, or the structure is considered a "regulated structure" (e.g., bridges, caissons, etc.), the project proponent must complete SBCAPCD Form ENF-28: Notification for Renovation and Demolition or APCD Form ENF-28e: EXEMPTION from Notification for Renovation and Demolition and the SBCAPCD must be notified even if the building does not contain any asbestos. However, if the project is only a renovation, no notification is required unless the renovation involves disturbing a threshold amount of regulated asbestos materials (SBCAPCD 2021b).

## Ambient Air Quality

Air pollutant concentrations are measured at several monitoring stations in the SCCAB. The Santa Maria-906 S Broadway Monitoring Station is the closest representative monitoring station with sufficient data to meet U.S. EPA and/or ARB criteria for quality assurance. The monitoring stations record ambient concentrations of O<sub>3</sub>, nitrogen dioxide (NO<sub>2</sub>), particulate matter less than 2.5 micrometers (µm) (PM<sub>2.5</sub>), and particulate matter less than 10 µm (PM<sub>10</sub>). Ambient monitoring data was obtained for the last three years of available measurement data (i.e., 2018 through 2020) and is summarized in Table AQ-2. As depicted, the federal PM<sub>2.5</sub> standards were exceeded for one day in 2018 and 9 days in 2020. The state PM<sub>10</sub> standards exceeded for 13 days in 2018, and 15 days in 2019, and 32 days in 2020. Measured 1-hour O<sub>3</sub>, 8-hour O<sub>3</sub>, and NO<sub>2</sub> concentrations did not exceed the state and federal ambient air quality standards in the last three years of monitoring.

**Table AQ-2. Summary of Ambient Air Quality Monitoring Data**

Pollutant	Monitoring Year		
	2018	2019	2020
<b>Ozone (O<sub>3</sub>)</b>			
Maximum concentration (1-hour/8-hour average; ppm)	0.052/0.048	0.059/0.052	0.063/0.059
Number of days state/national 1-hour standard exceeded	0/0	0/0	0/0
Number of days state/national 8-hour standard exceeded	0/0	0/0	0/0
<b>Nitrogen Dioxide (NO<sub>2</sub>)</b>			
Maximum concentration (1-hour average; ppb)	40.3	33.7	36.4
Annual average (ppb)	NA	5	5
Number of days state/national standard exceeded	0/0	0/0	0/0
<b>Suspended Particulate Matter (PM<sub>2.5</sub>)</b>			
Maximum 24-hour concentration (national/state; µg/m <sup>3</sup> )	40.4/40.4	14.7/14.7	88.4/88.4
Annual average national/state (µg/m <sup>3</sup> )	6.9/7.0	4.8/4.9	7.9/7.9
Number of days national standard exceeded (estimated/measured) <sup>1</sup>	1/1	0/0	9/9
<b>Suspended Particulate Matter (PM<sub>10</sub>)</b>			
Maximum concentration (national/state; µg/m <sup>3</sup> )	62.3/61.9	132.5/139.5	113.3/116.4
Number of days state standard exceeded (estimated/measured) <sup>1</sup>	13.6/13	15.7/15	32.2/32
Number of days national standard exceeded (estimated/measured) <sup>1</sup>	0.0/0	0.0/0	0.0/0
ppm = parts per million; ppb = parts per billion; µg/m <sup>3</sup> = micrograms per cubic meter; NA = Not available All data based on ambient concentrations were obtained from the Santa Maria-906 S Broadway Monitoring Station. 1. Estimated days are days that measurement would have exceeded the standard had measurements been collected every day. Measured days are those days that an actual measurement was greater than the standard. Source: ARB 2022a			

## Air Quality Index

The health effects of ambient air pollutant concentrations can be evaluated and presented in various ways. The most common method is the use of the Air Quality Index (AQI). The U.S. EPA developed the AQI as an easy-to-understand measure of health impacts based on measured ambient air quality in comparison to established ambient air quality standards. Tables AQ-3 and AQ-4 present a summary of the health impacts for ozone and fine particulate matter (PM<sub>2.5</sub>), respectively, based on the U.S. EPA's AQI.

A summary of the annual air quality index for the project area, based on monitoring data obtained from the Santa Maria monitoring station for the last three years of available data, is provided in Table AQ-5. As depicted in Table AQ-5, the project area typically experiences "good" air quality with the total number of days ranging from 273 to 300 days per year. Days classified as "moderate" AQI ranged from 64 to 80 days per year. Over the last three years of available data, the area has experience a total of ten days classified as "Unhealthy for Sensitive Groups" and four days classified as "Unhealthy". Over the past three years, the area has not experienced air quality conditions within the "Very Unhealthy" or "Hazardous" range (U.S. EPA 2022).

**Table AQ-3. Air Quality Index Summary for Ozone & Related Health Effects**

Air Quality Index / 8-hour Ozone Concentration	Health Effects Description
<u>AQI 51-100: Moderate</u> Ambient Ozone Concentrations: 55-70 ppb	<p><b><u>Sensitive Groups:</u></b> Children and people with asthma are the groups at most risk.</p> <p><b>Health Effects Statements:</b> Unusually sensitive individuals may experience respiratory symptoms.</p> <p><b>Cautionary Statements:</b> Unusually sensitive people should consider limiting prolonged outdoor exertion.</p>
<u>AQI 101-150: Unhealthy for Sensitive Groups</u> Ambient Ozone Concentrations: 71-85 ppb	<p><b><u>Sensitive Groups:</u></b> Children and people with asthma are the groups at most risk.</p> <p><b>Health Effects Statements:</b> Increasing likelihood of respiratory symptoms and breathing discomfort in active children and adults and people with respiratory disease, such as asthma.</p> <p><b>Cautionary Statements:</b> Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion.</p>
<u>AQI 151-200: Unhealthy</u> Ambient Ozone Concentrations: 86-105 ppb	<p><b><u>Sensitive Groups:</u></b> Children and people with asthma are the groups at most risk.</p> <p><b>Health Effects Statements:</b> Greater likelihood of respiratory symptoms and breathing difficulty in active children and adults and people with respiratory disease, such as asthma; possible respiratory effects in general population.</p> <p><b>Cautionary Statements:</b> Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion; everyone else, especially children, should limit prolonged outdoor exertion.</p>
<u>AQI 201-300: Very Unhealthy</u> Ambient Ozone Concentrations: 106-200 ppb	<p><b><u>Sensitive Groups:</u></b> Children and people with asthma are the groups at most risk.</p> <p><b>Health Effects Statements:</b> Increasingly severe symptoms and impaired breathing likely in active children and adults and people with respiratory disease, such as asthma; increasing likelihood of respiratory effects in general population</p> <p><b>Cautionary Statements:</b> Active children and adults, and people with respiratory disease, such as asthma, should avoid outdoor exertion; everyone else, especially children, should limit outdoor exertion.</p>
<p>An AQI of 50 and below is categorized as "Good" and air quality is satisfactory, and poses little or no risk.</p> <p>An AQI of 301 or higher is categorized as "Hazardous" having a health warning of emergency conditions: everyone is more likely to be affected.</p> <p>Outdoor activities should be avoided for all individuals.</p> <p>Source: U.S. EPA 2022</p>	



**Table AQ-4. Air Quality Index Summary for Fine Particulate Matter  
& Related Health Effects**

Air Quality Index / 8-hour Ozone Concentration	Health Effects Description
<u>AQI 51-100: Moderate</u> Ambient Concentrations: 12.1-35.4 µg/m <sup>3</sup>	<b>Sensitive Groups:</b> Some people who may be unusually sensitive to particulate <b>Health Effects Statements:</b> Unusually sensitive people should consider reducing prolonged or heavy exertion. <b>Cautionary Statements:</b> Unusually sensitive people: Consider reducing prolonged or heavy exertion. Watch for symptoms such as coughing or shortness of breath. These are signs to take it easier.
<u>AQI 101-150: Unhealthy for Sensitive Groups</u> Ambient Concentrations: 35.5-55.4 µg/m <sup>3</sup>	<b>Sensitive Groups:</b> People with heart or lung disease, older adults, children, and teenagers. <b>Health Effects Statements:</b> Increasing likelihood of respiratory symptoms for sensitive individuals, aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease, and the elderly. <b>Cautionary Statements:</b> If you have heart disease: Symptoms such as palpitations, shortness of breath, or unusual fatigue may indicate a serious problem. If you have any of these, contact a health care provider.
<u>AQI 151-200: Unhealthy</u> Ambient Concentrations: 55.5-150.4 µg/m <sup>3</sup>	<b>Sensitive Groups:</b> Everyone. <b>Health Effects Statements:</b> Increased aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease, and the elderly; increased respiratory effects in general population. <b>Cautionary Statements:</b> Sensitive groups: Avoid prolonged or heavy exertion. Consider moving activities indoors or rescheduling. Everyone else: Reduce prolonged or heavy exertion. Take more breaks during outdoor activities.
<u>AQI 201-300: Very Unhealthy</u> Ambient Concentrations: 150.5-250.4 µg/m <sup>3</sup>	<b>Sensitive Groups:</b> Everyone. <b>Health Effects Statements:</b> Significant aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease, and the elderly; significant increase in respiratory effects in general population. <b>Cautionary Statements:</b> Sensitive groups: Avoid all physical activity outdoors. Move activities indoors or reschedule to a time when air quality is better. Everyone else: Avoid prolonged or heavy exertion. Consider moving activities indoors or reschedule to a time when air quality is better.
An AQI of 50 and below is categorized as "Good" and air quality is satisfactory, and poses little or no risk. An AQI of 301 or higher is categorized as "Hazardous" having a health warning of emergency conditions: everyone is more likely to be affected. Outdoor activities should be avoided for all individuals. Source: <u>U.S. EPA 2022</u>	

**Table AQ-5. Air Quality Index Annual Historical Summary**

Year	Air Quality Index (AQI) - Number of Days					
	Good	Moderate	Unhealthy for Sensitive Groups	Unhealthy	Very Unhealthy	Hazardous
2021	300	64	1	0	0	0
2020	273	80	9	4	0	0
2019	286	78	0	0	0	0
Based on monitoring for the Santa Maria monitoring station. Represents overall air quality taking into account all criteria pollutants measured. Source: <u>U.S. EPA 2022</u>						

## Regulatory Framework

Air quality within the SCCAB is regulated by several jurisdictions including the U.S. EPA, ARB, and the SBCAPCD. 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 U.S. EPA to establish NAAQS, 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 AQ-6.

### 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 CCAA 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 AQ-6. 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 O<sub>3</sub>, CO, sulfur dioxide (SO<sub>2</sub>), and NO<sub>2</sub> by the earliest practicable 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 the 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 AQ-6. Ambient Air Quality Standards & Santa Barbara County  
Attainment/Nonattainment Classification Summary**

Pollutant	Averaging Time	California Standards		National Standards	
		Concentration	Attainment Status	Concentration	Attainment Status
Ozone	8 hour	0.070 ppm	A	0.070 ppm	U/A
	1 hour	0.09 ppm (180 µg/m³)	A	—	—
Carbon Monoxide	8 hour	9.0 ppm (10 mg/m³)	A	9.0 ppm (10 µg/m³)	A
		20.0 ppm (23 mg/m³)	A	35.0 ppm (40 µg/m³)	A
	1 hour	0.030 ppm (56 µg/m³)	A	53 ppb	U/A
		0.18 ppm (338 µg/m³)	A	100 ppb	U/A
Nitrogen Dioxide	annual average	—	—	Revoked	—
	24 hour	0.04 ppm (105 µg/m³)	A	Revoked	—
	1 hour	0.25 ppm (655 µg/m³)	A	75 ppb	*
	—	—	—	—	—
Sulfur Dioxide	annual arithmetic mean	20 µg/m³	N	Revoked	A
	24 hour	50 µg/m³	N	150 µg/m³	A
Particulate Matter (PM <sub>10</sub> )	annual arithmetic mean	12 µg/m³	U	12.0 µg/m³	U/A
	24 hour	—	—	35 µg/m³	U/A
Particulate Matter – Fine (PM <sub>2.5</sub> )	—	—	—	—	—
Sulfates	24 hour	25 µg/m³	A	—	—
Lead	calendar quarter	—	—	1.5 µg/m³	A
	30 day average	1.5 µg/m³	A	—	—
	Rolling 3-month Average	—	—	0.15 µg/m³	U
Hydrogen Sulfide	1 hour	0.03 ppm (42 µg/m³)	A	—	—
		0.010 ppm (26 µg/m³)	—	—	—
Vinyl Chloride (chloroethene)	24 hour	—	—	—	—
Visibility Reducing Particles	8 hour (1000 to 1800 PST)	—	A	—	—

A = Attainment; N = Nonattainment; U = Unclassified; U/A = Unclassifiable/Attainment; — = No Standard;  
mg/m³ = milligrams per cubic meter; µg/m³ = micrograms per cubic meter; ppm = parts per million;  
ppb = parts per billion; \* = EPA has not yet made final designations on attainment status  
Source: SBCAPCD 2021a

### In-Use Off-Road Diesel Vehicle Regulation

On July 26, 2007, the ARB adopted a regulation to reduce DPM and oxides of nitrogen (NO<sub>x</sub>) 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, reporting, disclosure, and labeling requirements for off-road vehicles, and limits unnecessary idling.

### 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 CBC 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 standards are contained in the CBC 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.

The green buildings standards are updated every three years and 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 nonresidential lighting requirements. The ventilation measures improve indoor air quality, protecting homeowners from air pollution originating from outdoor and indoor sources. Under the newly adopted standards, nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades (CEC 2018).

The recently updated 2022 Building Energy Efficiency Standards (2022 Standards), which were approved in December 2021, encourages efficient electric heat pumps, establishes electric-ready requirements when natural gas is installed and to support the future installation of battery storage, and further expands solar photovoltaic and battery storage standards. The 2022 Standards extend solar PV system requirements, as well as battery storage capabilities for select land uses, including high-rise multi-family and non-residential land uses, such as office buildings, schools, restaurants, warehouses, theaters, grocery stores, and more. Depending on the land use and other factors, solar systems should be sized to meet targets of up to 60 percent of the structure's loads. These new solar requirements will become effective January 1, 2023 and contribute to California's goal of reaching net-zero carbon footprint by 2045 (CEC 2022).

## **Local**

### **Santa Barbara County Air Pollution Control District**

The SBCAPCD 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 SBCAPCD 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

## Thresholds of Significance

In accordance with Appendix G of the CEQA Guidelines, air quality impacts associated with the proposed project would be considered significant if it would:

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

To assist in the evaluation of air quality impacts, the SBCAPCD has developed recommended significance thresholds, which are contained in the SBCAPCD Scope and Content of Air Quality Sections in Environmental Documents (SBCAPCD 2017). For the purposes of this analysis, project emissions are considered potentially significant impacts if any of the following SBCAPCD recommended thresholds are exceeded:

### Construction Impacts

The SBCAPCD recommends 25 tons per year for reactive organic compounds (ROC) or NO<sub>x</sub> as a guideline for determining the significance of construction impacts. In addition, the SBCAPCD recommends incorporation of standard mitigation measures to minimize localized air quality impacts commonly associated with construction activities and to ensure consistency with air quality attainment and maintenance efforts.

### Operational Impacts

A proposed project will have a significant impact on air quality, either individually or cumulatively, if operational emissions would:

- exceed 240 pounds/day for ROC or NO<sub>x</sub>; and 80 lbs/day for PM<sub>10</sub>.
- exceed 25 pounds/day of NO<sub>x</sub> or ROC from motor vehicle trips only.
- would cause or contribute to a violation of any CAAQS or NAAQS (except O<sub>3</sub>)
- would exceed the SBCAPCD health risk public notification thresholds adopted by the SBCAPCD Board (10 excess cancer cases in a million for cancer risk and a Hazard Index of more than one (1.0) for non-cancer risk).
- would be inconsistent with the latest adopted federal and state air quality plans for Santa Barbara County.

## Methodology

Emissions associated with the construction of the proposed project were calculated using the California Emissions Estimator Model (CalEEMod), version 2020.4.0, computer program. Project construction is anticipated to occur over an approximately 36-month period beginning in 2024. According to project specific plan no existing structures would be demolished. Additional construction information, such as construction activities, construction schedules, equipment use, and worker vehicle trips were not available and were based on default parameters contained in CalEEMod. Construction of proposed land uses was assumed to require grubbing (removal of brush/trees), site preparation, grading, building construction, paving, and application of architectural coatings. Building construction for planned land uses was based on anticipated project development schedules provided. Modeling assumptions and output files are included in Appendix C of this report.

Long-term operational GHG emissions were calculated using the CalEEMod, version 2020.4.0 based on the proposed land uses identified for the project (refer to Table AQ-7). Electricity intensity factors were adjusted

to reflect compliance with the State's Renewables Portfolio Standards. Mobile-source emissions were calculated based on vehicle trip-generation rates derived from the traffic analysis prepared for this project (ATE 2022). The fleet mix for non-residential land uses was based on CalEEMod defaults for northern Santa Barbara County. The fleet mix for residential land uses was adjusted based on San Joaquin Valley Air Pollution Control District's recommended residential fleet mix for emissions modeling purposes (SJVAPCD 2022). Vehicle trip generation rates were derived from the Traffic and Circulation Study (ATE 2022) prepared for this project. Vehicle trip distances were based on CalEEMod defaults for northern Santa Barbara County. Emission modeling files are provided in Appendix C.

**Table AQ-7. Planned Land Uses**

Use	Size
<b>Commercial</b>	
Fast Food With Drive-Thru	18,750 sf
Fast Casual	6,000 sf
Sit Down Restaurant	5,000 sf
Car Wash	3,596 sf
Gas Station	3,000 sf
Lube Station	2,400 sf
Shopping Center	55,000 sf
Mini Storage	39,500 sf
<b>Total</b>	<b>133,246 sf</b>
<b>Residential</b>	
Townhomes	95 Units
Apartments	400 Units
<b>Total</b>	<b>495 Units</b>
sf = square feet	

## Project Impacts and Mitigation Measures

### Impact AQ-A. Conflict with or obstruct implementation of the applicable air quality plan.

#### SBCAPCD 2019 Ozone Plan

As part of the CCAA, the SBCAPCD is required to develop a plan to achieve and maintain the state ozone standard by the earliest practicable date. The SBCAPCD's 2019 Ozone Plan (previously known as the Clean Air Plan) addresses the attainment and maintenance of state and federal ambient air quality standards. The Ozone Plan was adopted by SBCAPCD on December 19, 2019 (SBCAPCD 2019).

The Ozone Plan outlines the SBCAPCD strategies to reduce ozone-precursor pollutants (i.e., ROC and NO<sub>x</sub>) from a wide variety of sources. The Ozone Plan 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. The stationary-source control program is administered by SBCAPCD. 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 SBCAPCD to forecast population-related emissions and air quality attainment, including those contained in the Ozone Plan. Projects that result in population growth above the amount forecasted for that jurisdiction or subregion would be considered inconsistent with the Ozone Plan and may have a significant impact on air quality.

The proposed project would allow for the future development of a mix of land uses, including multi-family residential apartments and townhomes and commercial land uses. In total, the project is expected to result in an increase of approximately 1,346 residents in the City of Santa Maria. The projected number of employees for the commercial land uses would be 456. The SBCAG Regional Growth Forecast 2050 Santa Barbara County indicates that the population of the city of Santa Maria in 2017 was approximately 108,500 (SBCAG 2019). The city's forecasted population is estimated to total approximately 121,900 in 2025 and

133,300 in 2035. The proposed project would not result in near-term increases in population that would exceed year 2025 population projections or exceed year 2035 projections. In addition, the project would improve the City's jobs and housing balance by providing additional employment opportunities in the City. Therefore, the project would be overall consistent with the growth assumptions in the Plan. In addition, the proposed land uses would not include large industrial stationary sources of air pollutant emissions that would be subject to SBCAPCD permitting requirements. As a result, the proposed land uses would not conflict with the SBCAPCD's stationary source emissions inventory.

The Ozone Plan also includes multiple transportation control measures (TCMs) intended to reduce emissions through reductions in trip generation and vehicle miles traveled (VMT). The proposed project includes a mix of land uses and various design features that would increase on-site capture of vehicle trips and reduce the project's overall trip generation. Implementation of the proposed project would not conflict with regional VMT-reduction targets, including those identified in the Regional Transportation Plan/Sustainable Communities Strategy, as required by SB 375. As a result, the proposed project would be considered consistent with the County's Ozone Plan to reduce mobile-source emissions.

For these reasons noted above, the proposed project would be considered consistent with regional air quality planning efforts, including SBCAPCD's 2019 Ozone Plan and the County's Regional Transportation Plan/Sustainable Communities Strategy. However, the proposed project would result in short-term increases in emissions associated with construction of the proposed land uses. To be consistent with the standard dust mitigation measures in Section 6.1 of the SBCAPCD Scope and Content of Air Quality Sections in Environmental Documents (based on policies adopted in the 1979 Air Quality Attainment Plan [AQAP]), all projects involving earthmoving activities must implement the standard dust control measures. Given that the proposed project would involve earthmoving activities, this impact would be considered **potentially significant**.

Standard dust control measures would be required as stated in Impact AQ-B and detailed in Mitigation Measure AQ-1. With implementation of Mitigation Measure AQ-1 this impact would be considered **less than significant**. (refer to Impact AQ-B for additional discussion of short-term air quality impacts.)

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

### Short-term Construction Emissions

Construction-generated emissions are of temporary duration, lasting only as long as construction activities occur, but have the potential to represent a significant air quality impact. Construction of the proposed project would result in the temporary generation of emissions associated with site grading, 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., reactive organic gases (ROG) and NO<sub>x</sub>) 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 maximum annual emissions associated with construction of the proposed project are presented in Table AQ-8. As depicted in Table AQ-8, the maximum annual unmitigated construction-generated emissions would total approximately 2.19 tons/year of ROG and 5.13 tons/year of NO<sub>x</sub>.

Construction emissions would be largely a result of mobile-source emissions associated with construction vehicle and equipment operations anticipated to occur during the building construction phase. As noted in Table AQ-8, maximum annual construction emissions would not exceed the threshold of 25 tons/year. However, since Santa Barbara County violates the state standard for PM<sub>10</sub>, dust control measures are required for all projects involved in earthmoving activities regardless of the significance of the fugitive dust

impacts. As previously discussed, emissions of PM<sub>10</sub> can result in the irritation of eyes and respiratory tract (refer to Table AQ-1). For these reasons, construction-generated emissions would be considered to have a **potentially significant impact**.

### Mitigation Measures

**AQ-1:** The following construction mitigation measures shall be implemented to minimize short-term construction emissions. All measures shall be shown on grading and building plans.

#### AQ-1.1: Construction-Generated Fugitive Dust

- a. During construction, use water trucks or sprinkler systems to keep all areas of vehicle movement damp enough to prevent dust from leaving the site. At a minimum, this should include wetting down such areas in the late morning and after work is completed for the day. Increased watering frequency should be required whenever the wind speed exceeds 15 miles per hour. Reclaimed water should be used whenever reasonably available. However, reclaimed water should not be used in or around crops for human consumption.
- b. Minimize amount of disturbed area and reduce on site vehicle speeds to 15 miles per hour or less.
- c. If importation, exportation and stockpiling of fill material is involved, soil stockpiled for more than two days shall be covered, kept moist, or treated with soil binders to prevent dust generation. Trucks transporting fill material to and from the site shall be tarped from the point of origin.
- d. Gravel pads shall be installed at all access points to prevent tracking of mud onto public roads.
- e. After clearing, grading, earth moving or excavation is completed, treat the disturbed area by watering, or revegetating, or by spreading soil binders until the area is paved or otherwise developed so that dust generation will not occur.
- f. The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the SBCAPCD prior to grading/building permit issuance and/or map clearance.

**Table AQ-8. Annual Construction Emissions without Mitigation**

Year	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	FUG PM <sub>10</sub>	EXH PM <sub>10</sub>	TOT PM <sub>10</sub>	FUG PM <sub>2.5</sub>	EXH PM <sub>2.5</sub>	TOT PM <sub>2.5</sub>
	tons per year									
2024	1.37	5.13	5.99	0.01	0.98	0.21	1.19	0.38	0.19	0.57
2025	2.19	4.48	6.44	0.01	0.60	0.16	0.76	0.16	0.15	0.31
2026	1.15	1.82	2.73	0.01	0.26	0.07	0.33	0.07	0.06	0.13
Maximum	2.19	5.13	6.44	0.01	0.98	0.21	1.19	0.38	0.19	0.57
SBCAPCD Significance Thresholds	25	25	-	-	-	-	-	-	-	-
Exceeds Significance Thresholds?	No	No	-	-	-	-	-	-	-	-
FUG = Fugitive; EXH = Exhaust; TOT = Total										
Refer to Appendix A for modeling assumptions and results.										

**Table AQ-9. Annual Construction Emissions with Mitigation**

Year	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	FUG PM <sub>10</sub>	EXH PM <sub>10</sub>	TOT PM <sub>10</sub>	FUG PM <sub>2.5</sub>	EXH PM <sub>2.5</sub>	TOT PM <sub>2.5</sub>
	tons per year									
2024	0.93	1.28	6.48	0.01	0.63	0.02	0.62	0.22	0.02	0.23
2025	1.88	1.48	6.83	0.01	0.60	0.02	0.62	0.16	0.02	0.18
2026	1.02	0.56	2.92	0.01	0.26	0.01	0.81	0.07	0.01	0.08
Maximum	1.88	1.48	6.83	0.01	0.63	0.02	0.62	0.22	0.02	0.23
SBCAPCD Significance Thresholds	25	25	-	-	-	-	-	-	-	-
Exceeds Significance Thresholds?	No	No	-	-	-	-	-	-	-	-

FUG = Fugitive; EXH = Exhaust; TOT = Total

Includes reductions from mobile-source emissions and particulate matter emission measures.

Refer to Appendix A for modeling assumptions and results.



#### AQ-1.2: Mobile-Source Construction Emissions

The following measures shall be implemented to reduce mobile-source emissions:

- a. All portable diesel-powered construction equipment shall be registered with the state's portable equipment registration program or shall obtain an SBCAPCD permit.
- b. Fleet owners of mobile construction equipment are subject to the ARB Regulation for In-Use Off-Road Diesel Vehicles (Title 13, California Code of Regulations (CCR), §2449), the purpose of which is to reduce NO<sub>x</sub>, DPM, and other criteria pollutant emissions from in-use off-road diesel-fueled vehicles. Off-road heavy-duty trucks shall comply with the State Off-Road Regulation.
- c. Fleet owners of mobile construction equipment are subject to the ARB Regulation for In-Use (On-Road) Heavy-Duty Diesel-Fueled Vehicles (Title 13, CCR, §2025), the purpose of which is to reduce DPM, NO<sub>x</sub> and other criteria pollutants from in-use (on-road) diesel-fueled vehicles. On-road heavy-duty trucks shall comply with the State On-Road Regulation.
- d. All commercial off-road and on-road diesel vehicles are subject, respectively, to Title 13, CCR, §2449(d)(3) and §2485, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to five minutes; electric auxiliary power units should be used whenever locally available.
- e. Diesel equipment meeting the ARB Tier 3 or higher emission standards for off-road heavy-duty diesel engines shall be used to the extent locally available.
- f. On-road heavy-duty equipment with model year 2010 engines or newer shall be used to the extent locally available.
- g. Diesel powered equipment shall be replaced by electric equipment whenever available.
- h. Equipment/vehicles using alternative fuels, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane or biodiesel, shall be used on-site where locally available.
- i. Catalytic converters shall be installed on gasoline-powered equipment, if available, and in accordance with manufacturer's recommendations.
- j. All construction equipment shall be maintained in tune per the manufacturer's specifications.
- k. The engine size of construction equipment shall be the minimum practical size.
- l. The number of construction equipment operating simultaneously shall be minimized through efficient management practices to ensure that the smallest practical number is operating at any one time.
- m. Construction worker trips should be minimized by requiring carpooling and by providing for lunch onsite.

#### Significance After Mitigation

Mitigation Measure AQ-1 would include measures to further reduce air pollutant emissions from construction and would be consistent with applicable air quality plans. Implementation of PM emission measures would reduce emissions of fugitive dust. Emissions of fugitive dust would be reduced by roughly 50 percent, or more. Additional measures have also been included to reduce emissions from motor vehicles and equipment, including emissions of mobile PM. Mitigated construction-generated emissions are summarized in Table AQ-9. As depicted, mitigated emissions would not exceed SBCAPCD's significance thresholds. With mitigation, this impact would be considered **less than significant**.

#### **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 are depicted in Table AQ-10. As depicted in Table AQ-10, daily operational-generated emissions would total approximately 41.54 pounds/day of ROG, 27.05 pounds/day of NO<sub>x</sub>, and 31.72 pounds/day of PM<sub>10</sub>.



**Table AQ-10. Daily Operational Emissions Without Mitigation**

Category	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	FUG PM <sub>10</sub>	EXH PM <sub>10</sub>	pounds per day				TOT PM <sub>10</sub>	FUG PM <sub>2.5</sub>	EXH PM <sub>2.5</sub>	TOT PM <sub>2.5</sub>
Area	16.42	0.47	40.83	0.00	0.00	0.23	0.23				0.23	0.00	0.23	0.23
Energy	0.36	3.17	2.08	0.02	0.00	0.25	0.25				0.25	0.00	0.25	0.25
Mobile	24.76	23.41	171.70	0.27	31.02	0.71	0.71				31.25	8.28	0.21	8.49
Total	41.54	27.05	214.60	0.29	31.02	1.19	1.19				31.72	8.28	0.68	8.96
SBCAPCD Significance Thresholds (All Sources)	240	240	-	-	-	-	-				80	-	-	-
Exceeds Significance Thresholds?	No	No	-	-	-	-	-				No	-	-	-
SBCAPCD Significance Thresholds (Mobile Sources)	25	25	-	-	-	-	-				-	-	-	-
Exceeds Significance Thresholds?	No	No	-	-	-	-	-				-	-	-	-
FUG = Fugitive; EXH = Exhaust; TOT = Total; N/A = Not applicable Refer to Appendix A for modeling assumptions and results.														

Estimated daily operational emissions from all sources of ROG, NO<sub>x</sub>, and PM<sub>10</sub> would not exceed the SBCAPCD operational thresholds of 240 pounds/day for ROG or NO<sub>x</sub>; 25 pounds per day of ROG or NO<sub>x</sub> from mobile sources; or 80 pounds/day for PM<sub>10</sub>. It is important to note that Mitigation Measure GHG-1 would include measures that would further reduce long-term operational emissions. As a result, this impact would be considered **less than significant**.

### **Health Effects of Project-Generated Regional Emissions**

Project-generated emissions are evaluated based on the pollutants potential to affect local or regional air quality. As noted earlier in this report, regional pollutants of concern typically include ozone and particulate matter. Whereas, for development project, localized pollutants of primary concern often include carbon monoxide, toxic air contaminants, as well as, airborne particulates. The health effects of these pollutants are discussed earlier in this report and summarized in Table AQ-1.

For localized pollutants, health impacts can be evaluated using screening criteria or through dispersion modeling. However, for regional pollutants such as ozone, the change in health effects associated with an individual project is a secondary pollutant created by NO<sub>x</sub> and ROG (also commonly referred to as VOCs). As previously discussed earlier in this report, ozone is not a directly emitted pollutant. NO<sub>x</sub> and ROG are not criteria air pollutants but, when in the presence of sunlight, they can form ozone and also contribute to the formation of secondary PM<sub>2.5</sub>. Because ozone is not a directly emitted pollutant and is created under specific meteorological conditions over a wide transport area, ozone concentrations are typically evaluated at a regional level using complex photochemical models. These models are capable of predicting concentrations that take into account variations amounts of precursor emissions (e.g., ROG, NO<sub>x</sub>), temperature, inversions, sunlight, hourly variations, ambient conditions, and wind flow over long distances (e.g., miles). At the project level of analysis, evaluation of ozone concentrations is "not practicable and not likely [to] yield valid information" (SJVAPCD 2015).

Of the criteria pollutants identified, ozone and PM<sub>2.5</sub> have the most critical health effects. As a result, concentrations of these pollutants are typically relied upon for determining public health effects. In comparison to modeled regional emissions, the emissions associated with most individual projects would be negligible and too small to produce a measurable change in regional ozone or PM<sub>2.5</sub> concentrations or associated public health effects. In addition, the Sacramento Metropolitan Air Quality Management District (SMAQMD) has recently conducted regional emissions modeling analyses using a chemical transport model to evaluate changes in emissions and associated health effects associated with an individual project. The modeling was based on very conservative assumptions representative of the largest projects, which assumed up to approximately eight times the threshold of significance (up to 656 lbs/day) of NO<sub>x</sub>, ROG and PM. This level of emissions would be more representative of large community plan projects. Based on the modeling conducted by SMAQMD, even these large projects would have "low overall health effects" (SMAQMD 2020).

It is important to reiterate that the health effects of criteria air pollutants are taken into consideration when the U.S. EPA establishes the NAAQS for individual pollutants. The health effects of a particular pollutant are analyzed on a regional basis based on the area's attainment of the NAAQS. As previously discussed in this report, the AQI is one common method of evaluating public health impacts for criteria air pollutants of primary concern. Local air districts establish significance thresholds that are based on evaluation of an individual project's contribution to regional air quality conditions and associated health effects. Based on the above discussion and given that project-generated criteria pollutants would not exceed applicable significance thresholds, project-generated emissions of regional criteria pollutants (e.g., ROG, NO<sub>x</sub>, PM) would have a minimal effect on public health. In addition, refer to Impact AQ-C for a discussion of localized air quality impacts.

### **Impact AQ-C. Expose sensitive receptors to substantial pollutant concentrations.**

### **Naturally-Occurring Asbestos**

The ARB identifies NOA as a TAC. In accordance with ARB Air Toxics Control Measure, 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 local air district. If NOA is found at the site, the applicant must comply with all

requirements outlined in the Asbestos Air Toxics Control Measure. The project site is not located within an area identified as having a potential for naturally-occurring ultramafic rock and serpentine soils. As a result, this impact would be considered **less than significant**.

### **Asbestos-Containing Materials**

Demolition activities can have potential negative air quality impacts, including issues surrounding the proper handling, demolition, and disposal of ACM. ACM could be encountered during the demolition of existing buildings, particularly older structures constructed prior to 1970. Asbestos can also be found in various building products, including (but not limited to) utility pipes/pipelines (transit pipes or insulation on pipes). The proposed project would not demolish any existing structures or buildings. This impact is considered **less than significant**.

### **Lead-Coated Materials**

Demolition of structures coated with lead-based paint can have potential negative air quality impacts and may adversely affect the health of nearby individuals. Improper demolition can result in the release of lead-containing particles from the site. The proposed project would not demolish any existing structures or buildings. This impact is considered **less than significant**.

### **Localized Carbon Monoxide 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) (LOS E or LOS F). Signalized intersections primarily affected by the proposed project would operate at LOS D or better (ATE 2022). As a result, implementation of the proposed project is not anticipated to contribute to localized CO concentrations that would exceed applicable ambient air quality standards. This impact is considered **less than significant**.

### **Toxic Air Contaminants**

Based on the information currently available, the proposed project would not include the installation of major stationary sources of toxic air contaminants (TACs) and no major sources of TACs have been identified in the project area. In the event that major stationary sources, such as emergency power generators, are proposed for installation in the future, a permit to operate from the SBCAPCD would be required. A health risk assessment will be required as part of the permit process and emission control measures or other operational restrictions would be required, to the extent necessary, to ensure that operational emissions would not exceed SBCAPCD significance thresholds. For these reasons, this impact would be considered **less than significant**.

### **Localized Particulate Matter Concentrations**

Fugitive dust emissions would be primarily associated with site preparation, grading, and vehicle travel on unpaved and paved surfaces. Uncontrolled emissions of fugitive dust may also contribute to potential increases in nuisance impacts to nearby receptors. On-site off-road equipment and trucks would also result in short-term emissions of diesel-exhaust PM (DPM), which could contribute to elevated localized concentration at nearby receptors. Localized concentrations of DPM would be short-term occurring over an approximate three year period and would constitute less than five percent of the exposure period upon which health-related risks are typically calculated (i.e., 70 years). For this reason, short-term increases of DPM would not be anticipated to exceed SBCAPCD significance thresholds. However, short-term emissions of DPM could contribute to localized increases of particulate matter that may result in short-term nuisance impacts to nearby sensitive receptors. Short-term exposure to airborne particulates can result in irritation of eyes and the respiratory system and may affect sensitive individuals, including those suffering from asthma and other medical conditions. As a result, this impact would be considered **potentially significant**.

### **Mitigation Measures**

Implement Mitigation Measures AQ-1.

### Significance After Mitigation

Mitigation Measure AQ-1 would include measures to further reduce air pollutant emissions from construction activities. Emissions of fugitive dust would be reduced by roughly 50 percent, or more. Additional measures have also been included to reduce emissions from motor vehicles, including emissions of mobile-source PM. With mitigation, this impact would be considered **less than significant**.

#### **Impact AQ-D. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.**

The occurrence and severity of odor impacts depend on numerous factors, including the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of the receptors. While offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to considerable distress among the public and often generating citizen complaints to local governments and regulatory agencies. Projects with the potential to frequently expose members of the public to objectionable odors would be deemed to have a significant impact.

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. In addition, the project would be required to comply with SBCAPCD Rule 303 that prohibits the discharge of air contaminants or other material that would cause injury, detriment, nuisance, or annoyance to any considerable number of persons. 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

## Existing Setting

To fully understand global climate change, it is important to recognize the naturally occurring “greenhouse effect” and to define the greenhouse gases (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. Greenhouse gases, 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 (CO<sub>2</sub>) is a colorless, odorless gas. CO<sub>2</sub> is emitted in a number of ways, both naturally and through human activities. The largest source of CO<sub>2</sub> 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 CO<sub>2</sub> emissions. The atmospheric lifetime of CO<sub>2</sub> is variable because it is so readily exchanged in the atmosphere (U.S. EPA 2018).
- **Methane.** Methane (CH<sub>4</sub>) is a colorless, odorless gas that is not flammable under most circumstances. CH<sub>4</sub> is the major component of natural gas, about 87 percent 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 2018).
- **Nitrous Oxide.** Nitrous oxide (N<sub>2</sub>O) is a clear, colorless gas with a slightly sweet odor. N<sub>2</sub>O is produced by both natural and human-related sources. Primary human-related sources of N<sub>2</sub>O are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, acid production, and nitric acid production. N<sub>2</sub>O 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 N<sub>2</sub>O is approximately 114 years (U.S. EPA 2018).
- **Hydrofluorocarbons.** Hydrofluorocarbons (HFCs) 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 270 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 2018).
- **Perfluorocarbons.** Perfluorocarbons (PFCs) are colorless, highly dense, chemically inert, and non-toxic. There are seven PFC gases: perfluoromethane (CF<sub>4</sub>), perfluoroethane (C<sub>2</sub>F<sub>6</sub>), perfluoropropane (C<sub>3</sub>F<sub>8</sub>), perfluorobutane (C<sub>4</sub>F<sub>10</sub>), perfluorocyclobutane (C<sub>4</sub>F<sub>8</sub>), perfluoropentane (C<sub>5</sub>F<sub>12</sub>), and perfluorohexane (C<sub>6</sub>F<sub>14</sub>). Natural geological emissions have been responsible for the PFCs that have accumulated in the atmosphere in the past; however, the largest current source is aluminum production, which releases CF<sub>4</sub> and C<sub>2</sub>F<sub>6</sub> as byproducts. The estimated atmospheric lifetimes for PFCs ranges from 2,600 to 50,000 years (U.S. EPA 2018).

- **Nitrogen Trifluoride.** Nitrogen trifluoride (NF<sub>3</sub>) is an inorganic, colorless, odorless, toxic, nonflammable gas used as an etchant in microelectronics. NF<sub>3</sub> is predominantly employed in the cleaning of the plasma-enhanced chemical vapor deposition chambers in the production of liquid crystal displays and silicon-based thin-film solar cells. It has a global warming potential of 16,100 carbon dioxide equivalents (CO<sub>2</sub>e). While NF<sub>3</sub> may have a lower global warming potential than other chemical etchants, it is still a potent GHG. In 2009, NF<sub>3</sub> was listed by California as a high global warming potential GHG to be listed and regulated under AB 32 (Section 38505 Health and Safety Code).
- **Sulfur Hexafluoride.** Sulfur hexafluoride (SF<sub>6</sub>) is an inorganic compound that is colorless, odorless, non-toxic, and generally non-flammable. SF<sub>6</sub> is primarily used as an electrical insulator in high voltage equipment. The electric power industry uses roughly 80 percent of all SF<sub>6</sub> produced worldwide. Leaks of SF<sub>6</sub> occur from aging equipment and during equipment maintenance and servicing. SF<sub>6</sub> has an atmospheric life of 3,200 years (U.S. EPA 2018).
- **Black Carbon.** Black carbon is the strongest light-absorbing component of 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, off-road vehicles (locomotives, marine vessels, tractors, excavators, dozers, etc.), on-road vehicles (cars, trucks, and buses), fireplaces, agricultural waste burning, and prescribed burning (planned burns of forest or wildlands) (CCAC 2018, U.S. EPA 2018).

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. Often, estimates of GHG emissions are presented in CO<sub>2</sub>e, which weight each gas by its global warming potential (GWP). Expressing GHG emissions in CO<sub>2</sub>e 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 CO<sub>2</sub> were being emitted. Table GHG-1 provides a summary of the GWP for GHG emissions of typical concern with regard to community development projects, based on a 100-year time horizon. As indicated, CH<sub>4</sub> traps over 25 times more heat per molecule than CO<sub>2</sub>, and N<sub>2</sub>O absorbs roughly 298 times more heat per molecule than CO<sub>2</sub>. Additional GHG with high GWP includes NF<sub>3</sub>, SF<sub>6</sub>, PFCs, and black carbon.

**Table GHG-1. Global Warming Potential for Greenhouse Gases**

Greenhouse Gas	Global Warming Potential (100-year)
Carbon Dioxide (CO <sub>2</sub> )	1
Methane (CH <sub>4</sub> )	25
Nitrous Dioxide (N <sub>2</sub> O)	298
Based on IPCC GWP values for 100-year time horizon. Source: IPCC 2007	

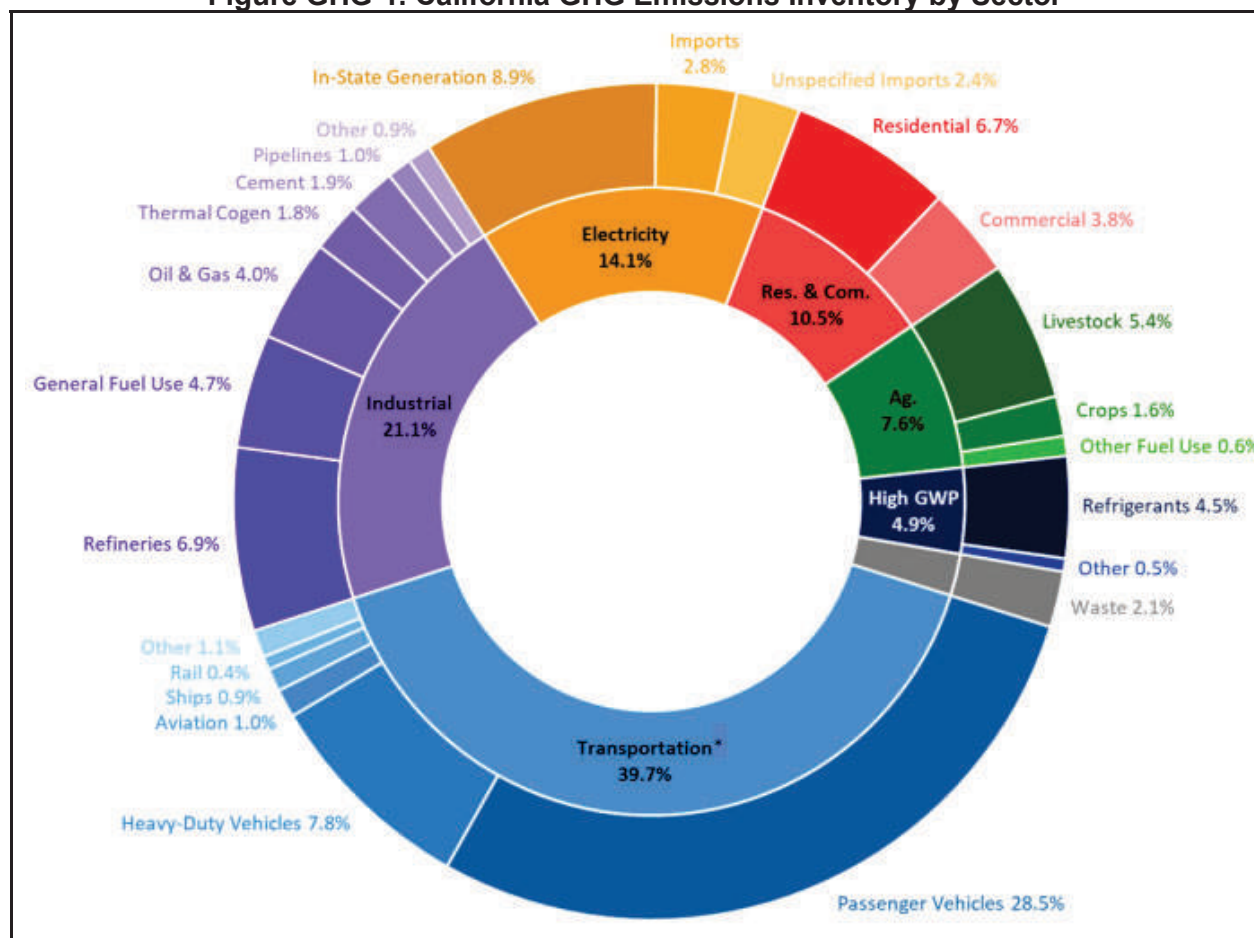
### Sources of GHG Emissions

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. Worldwide, 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 2018).

In 2019, GHG emissions within California totaled 418.2 million metric tons (MMT) of CO<sub>2</sub>e. GHG emissions, by sector, are summarized in Figure 3. Within California, the transportation sector is the largest contributor, accounting for approximately 40 percent of the total state-wide GHG emissions. Emissions associated with industrial uses are the second largest contributor, totaling roughly 21 percent. Electricity generation totaled roughly 14 percent (ARB 2021a).



**Figure GHG-1. California GHG Emissions Inventory by Sector**



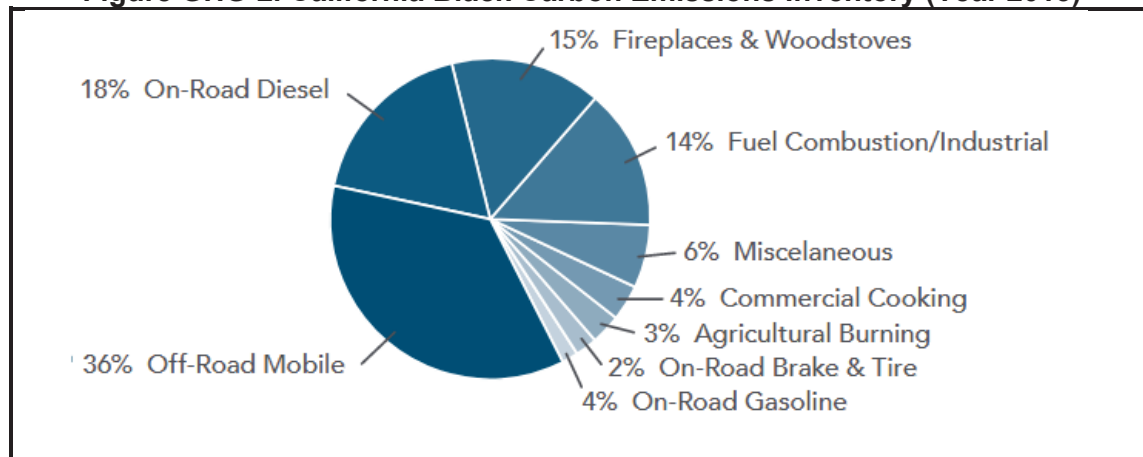
Source: ARB 2021b

### Short-Lived Climate Pollutants

Short-lived climate pollutants (SLCPs), such as black carbon, fluorinated gases, and CH<sub>4</sub> also have a dramatic effect on climate change. Though short-lived, these pollutants create a warming influence on the climate that is many times more potent than that of carbon dioxide.

As part of the ARB's efforts to address SLCPs, the ARB has developed a statewide emission inventory for black carbon. The black carbon inventory will help support the implementation of the SLCP Strategy, but it is not part of the State's GHG Inventory that tracks progress towards the State's climate targets. The most recent inventory for year 2013 conditions is depicted in Figure GHG-2. As depicted, off-road mobile sources account for a majority of black carbon emissions totaling roughly 36 percent of the inventory. Other major anthropogenic sources of black carbon include on-road transportation, residential wood burning, fuel combustion, and industrial processes (ARB 2021c).

**Figure GHG-2. California Black Carbon Emissions Inventory (Year 2013)**



Source: ARB 2021c

### 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.

GHG emissions, and their associated contribution to climate change and resultant impacts, are inherently cumulative. 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 the precipitation. For instance, historical records are depicting an increasing trend toward earlier snowmelt in the Sierra Nevada. This snowpack is a principal supply of water for the state, providing roughly 50 percent of the 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. Earlier snowmelt would also impact the State's energy resources. Currently, approximately 20 percent of California's electricity comes from hydropower. Early exhaustion of the Sierra snowpack may force electricity producers to switch to more costly or non-renewable forms of electricity generation during the 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

Executive Order 13514 is focused on reducing GHGs internally in federal agency missions, programs, and operations. In addition, the executive order 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.

On April 2, 2007, in *Massachusetts v. U.S. EPA*, 549 U.S. 497, the Supreme Court found that GHGs are air pollutants covered by the FCAA and that the U.S. EPA has the authority to regulate GHG. The Court held that the U.S. EPA Administrator must determine whether or not emissions of GHGs from new motor vehicles cause



or contribute to air pollution which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision.

On December 7, 2009, the U.S. EPA Administrator signed two distinct findings regarding GHGs under section 202(a) of the Clean Air Act:

- Endangerment Finding: The Administrator found that the current and projected concentrations of the six key well-mixed GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, and SF<sub>6</sub>) in the atmosphere threaten public health and welfare of current and future generations.
- Cause or Contribute Finding: The Administrator found that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare.

Although these findings did not themselves impose any requirements on industry or other entities, this action was a prerequisite to finalizing the U.S. EPA's Proposed Greenhouse Gas Emission Standards for Light-Duty Vehicles, which was published on September 15, 2009. On May 7, 2010, the final Light-Duty Vehicle Greenhouse Gas Emissions Standards and Corporate Average Fuel Economy Standards were published in the Federal Register.

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. These steps were outlined by President Obama in a Presidential Memorandum on May 21, 2010.

The final combined U.S. EPA and NHTSA standards that make 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 require these vehicles to meet an estimated combined average emissions level of 250 grams of CO<sub>2</sub> per mile (the equivalent to 35.5 miles per gallon if the automobile industry were to meet this CO<sub>2</sub> level solely through fuel economy improvements). Together, these standards will cut GHG emissions by an estimated 960 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 their joint rule to extend this national program of coordinated GHG and fuel economy standards to model years 2017 through 2025 passenger vehicles.

## U.S. EPA Strategic Plan

The EPA's *Fiscal Year (FY) 2022-2026 Strategic Plan (Strategic Plan)* provides a roadmap to achieve EPA's and the Biden-Harris Administration's environmental priorities over the next four years. The *Strategic Plan* furthers the agency's commitment to protecting human health and the environment for all people, with an emphasis on historically overburdened and underserved communities. For the first time, EPA's *Strategic Plan* includes a strategic goal focused exclusively on addressing climate change, with three primary objectives: 1) Reduce Emissions that Cause Climate Change; 2) Accelerate Resilience and Adaptation to Climate Change Impacts; and 3) Advance International and Subnational Climate Efforts.

## **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 FCAA, to allow the State to require reduced tailpipe emissions of CO<sub>2</sub>. 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.

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 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.

### **Executive Order B-30-15**

In 2015, Governor Brown signed Executive Order B-30-15, which establishes a California GHG reduction target of 40 percent below 1990 levels by 2030.

### **Executive Order B-55-18**

In 2018, Governor Brown signed Executive Order B-55-18, which set a target of statewide carbon neutrality by 2045. ARB has not yet proposed regulations to implement this order. However, the ARB is working on new advanced car regulations to set GHG emission standards for vehicle model years after 2025, with a goal of meeting the 2045 carbon neutrality target. In addition, the Draft 2022 California Climate Change Scoping Plan Update, which assesses progress toward the statutory 2030 target, also lays out a path for achieving carbon neutrality no later than 2045. The draft Scoping Plan is anticipated to be approved in the fall of 2022.

### **Executive Order No. N-19-19**

Executive Order N-19-19 (State of California) calls for actions from multiple state agencies to reduce greenhouse gas (GHG) emissions and mitigate the impacts of climate change. This includes a direct acknowledgment of the role the transportation sector must play in tackling climate change.

This executive order empowers the California State Transportation Agency (CalSTA) to leverage more than \$5 billion in discretionary state transportation funds to reduce GHG emissions in the transportation sector and adapt to climate change. Accordingly, CalSTA will work to align transportation spending with the state's Climate Change Scoping Plan where feasible; direct investments to strategically support smart growth to increase infill housing production; reduce congestion through strategies that encourage a reduction in

driving and invest further in walking, biking, and transit; and ensure that overall transportation costs for low income Californians do not increase as a result of these policies.

### Executive Order N-79-20

In 2020, Governor Newsom signed Executive Order N-79-20, which calls for elimination of new internal combustion passenger vehicles by 2035. It would end sales of internal combustion passenger vehicles by 2035. It is important to note that the Executive Order focuses on new vehicle sales for automakers, and therefore does not require Californians to give up the existing cars and trucks they already own.

### 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, 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 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 MMT CO<sub>2</sub>e will be achieved associated with the implementation of Senate Bill (SB) 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. The most recent update released by ARB is the 2017 Climate Change Scoping Plan, which was released in November 2017. The 2017 Climate Change Scoping Plan incorporates strategies for achieving the 2030 GHG-reduction target established in SB 32 and Executive Order B-30-15. Most notably, the 2017 Climate Change Scoping Plan encourages zero net increases in GHG emissions. However, the 2017 Climate Change Scoping Plan recognizes that achieving net zero increases in GHG emissions may not be feasible or appropriate for all projects and that the inability of a project to mitigate its GHG emissions to zero would not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA.

The ARB has recently released its Draft 2022 Climate Change Scoping Plan Update. The draft Scoping Plan assesses the State's progress towards meeting its target of reducing statewide GHG emissions to 40 percent below the 1990 levels by 2030, and also lays out a path for achieving carbon neutrality no later than 2045. The draft Scoping Plan is anticipated to be approved in the fall of 2022.

### Mandatory Reporting of GHG Emissions

The California Global Warming Solutions Act (AB 32, 2006) requires the reporting of GHGs by major sources to the ARB. Major sources required to report GHG emissions include 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 GHG emissions 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, fuel

distributors, including distributors of heating and transportation fuels, also became subject to the cap-and-trade rules. 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 is projected to reduce GHG emissions to 1990 levels by the year 2020 and would achieve an approximate 80 percent reduction from 1990 levels by 2050.

### **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 97**

SB 97 was enacted in 2007. SB 97 required the Office of Planning and Research to develop, and the Natural Resources Agency to adopt, amendments to the CEQA Guidelines addressing the analysis and mitigation of GHG emissions. Those CEQA Guidelines amendments clarified several points, including the following:

- Lead agencies must analyze the GHG emissions of proposed projects and must reach a conclusion regarding the significance of those emissions.
- When a project's GHG emissions may be significant, lead agencies must consider a range of potential mitigation measures to reduce those emissions.
- Lead agencies must analyze potentially significant impacts associated with placing projects in hazardous locations, including locations potentially affected by climate change.
- Lead agencies may significantly streamline the analysis of GHGs on a project level by using a programmatic GHG emissions reduction plan meeting certain criteria.
- CEQA mandates analysis of a proposed project's potential energy use (including transportation-related energy), sources of energy supply and ways to reduce energy demand, including through the use of efficient transportation alternatives.

As part of the administrative rulemaking process, the California Natural Resources Agency developed a Final Statement of Reasons explaining the legal and factual bases, intent, and purpose of the CEQA Guidelines amendments. The amendments to the CEQA Guidelines implementing SB 97 became effective on March 18, 2010.

### **Senate Bill 100**

SB 100 was signed by Governor Jerry Brown on September 10, 2018. SB 100 sets a goal of phasing out all fossil fuels from the state's electricity sector by 2045. SB 100 increases to 60 percent, from 50 percent, how much of California's electricity portfolio must come from renewables by 2030. It establishes a further goal to have an electric grid that is entirely powered by clean energy by 2045, which could include other carbon-free sources, like nuclear power, that are not renewable.

### **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. In 2018, ARB adopted updated SB 375 targets.

## California Building Code

The 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 CBC is adopted every three years by the 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 CBC, 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 2019 Building Energy Efficiency Standards (2019 Standards), adopted in May 2018, addressed 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. The 2019 Standards required new residential and non-residential construction; as well as major alterations to existing structures, to include electric vehicle (EV)-capable parking spaces which have electrical panel capacity and conduit to accommodate future installation. In addition, the 2019 Standards also required the installation of solar photovoltaic (PV) systems for low-rise residential dwellings, defined as single-family dwellings and multi-family dwellings up to three-stories in height. These requirements are based on various factors, including the floor area of the home, sun exposure, and climate zone. Under the 2019 standards, nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades (CEC 2018).

The recently updated 2022 Building Energy Efficiency Standards (2022 Standards), which were approved in December 2021, encourages efficient electric heat pumps, establishes electric-ready requirements when natural gas is installed and to support the future installation of battery storage, and further expands solar photovoltaic and battery storage standards. The 2022 Standards extend solar PV system requirements, as well as battery storage capabilities for select land uses, including high-rise multi-family and non-residential land uses, such as office buildings, schools, restaurants, warehouses, theaters, grocery stores, and more. Depending on the land use and other factors, solar systems should be sized to meet targets of up to 60 percent of the structure's loads. These new solar requirements will become effective January 1, 2023, and contribute to California's goal of reaching net-zero carbon footprint by 2045 (CEC 2022).

## Short-Lived Climate Pollutant Reduction Strategy

In March 2017, the ARB adopted the Short-Lived Climate Pollutant Reduction Strategy (SLCP Strategy) establishing a path to decrease GHG emissions and displace fossil-based natural gas use. Strategies include avoiding landfill methane emissions by reducing the disposal of organics through edible food recovery, composting, in-vessel digestion, and other processes; and recovering methane from wastewater treatment facilities, and manure methane at dairies, and using the methane as a renewable source of natural gas to fuel vehicles or generate electricity. The SLCP Strategy also identifies steps to reduce natural gas leaks from oil and gas wells, pipelines, valves, and pumps to improve safety, avoid energy losses, and reduce methane emissions associated with natural gas use. Lastly, the SLCP Strategy also identifies measures that can reduce HFC emissions at national and international levels, in addition to State-level action that includes an incentive program to encourage the use of low-GWP refrigerants, and limitations on the use of high-GWP refrigerants in new refrigeration and air-conditioning equipment (ARB 2021c).

## **Local**

### Santa Barbara County Air Pollution Control District

The SBCAPCD is a local public agency with the primary mission of realizing and preserving clean air for all county residents and businesses. Responsibilities of the SBCAPCD 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.

### County of Santa Barbara Planning and Development

The County of Santa Barbara does not currently have an applicable Climate Action Plan (CAP) and is currently in the process of developing a CAP that addresses the State's 2030 GHG-reduction targets. The County of Santa Barbara Planning and Development Department has released interim thresholds and guidelines in order to determine the significance of a proposed projects impacts on the environment until the CAP 2030 is adopted. For GHG emissions the board adopted a screening threshold of 300 MTCO<sub>2</sub>e/year for non-industrial stationary sources. Projects that meet or exceed the screening threshold must compare their GHG emissions against an efficiency-based significance threshold. Based on emission reduction targets in the County of Santa Barbara an efficiency-based significance threshold of 3.8 MTCO<sub>2</sub>e/SP/year is currently recommended. These recommended interim thresholds apply to unincorporated areas of the County (Santa Barbara County 2020).

### City of Santa Maria

The City of Santa Maria has not adopted a qualified greenhouse gas reduction plan. The City is currently in the process of preparing an update to the City's General Plan. The updated General Plan Update will include goals and policies to address climate adaptation and resilience, as well as, to help reduce GHGs associated with transportation and non-transportation emission sources (City of Santa Maria 2022).

## **Impact Analysis**

In accordance with Appendix G of the State CEQA Guidelines, increased GHG emissions associated with the implementation of the project would be considered significant if may:

- a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.
- b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

## **Threshold of Significance**

The City of Santa Maria has not adopted a qualified greenhouse gas reduction plan pursuant to CEQA Guidelines Section 15183.5(b)(1). Therefore, this analysis does not utilize the tiering and streamlining provisions of CEQA Guidelines Section 15183.5(b)(2) in evaluating the significance of the project's impacts related to GHG emissions.

As previously noted, Santa Barbara County has established a 300 MTCO<sub>2</sub>e/year screening threshold and a 3.8 MTCO<sub>2</sub>e/service population (SP)/year efficiency threshold. These thresholds apply to unincorporated areas of the County.

For purposes of this analysis, project-generated GHG emissions that would exceed the calculated efficiency threshold of 3.4 MTCO<sub>2</sub>e/SP/year would be considered to have a potentially significant impact on the environment that could conflict with GHG-reduction planning efforts.

The efficiency threshold used for this analysis is based on SB 32 GHG emission reduction goals, which take into consideration the emission reduction strategies outlined in ARB's Scoping Plan. The efficiency threshold was calculated based on ARB's GHG emissions inventory identified in the 2017 Climate Change Scoping Plan Update. Emissions sectors that do not apply to the proposed project (i.e., agriculture) were excluded from the calculation to create a locally-appropriate emissions target for the City of Santa Maria. To be conservative, amortized construction-generated GHG emissions were included in the annual operational GHG emissions estimates. The total GHG emissions target for the land use sectors applicable to the proposed



project were then divided by the projected service population (SP) (i.e., sum of the population and employment in California) for future year 2030 conditions. The service population was calculated based on the most current population and employment projections derived from the California Department of Finance Demographic Research Unit and 2017 Climate Change Scoping Plan, respectively (DOF 2020, ARB 2017). Table GHG-2 displays how the locally-appropriate emissions sectors were determined. Table GHG-3 provides a summary of the data used for calculation of the project-specific efficiency threshold. It is important to note that this threshold is more conservative than the efficiency threshold currently recommended by the County for the unincorporated areas of the County.

**Table GHG-2. SB 32 Estimated GHG Emissions by Sector**

GHG Emissions Sector <sup>1</sup>	2030 Scoping Plan Emission Targets (MMTCO <sub>2</sub> e)	Locally Appropriate <sup>2</sup>	Project Specific
Agriculture	24	No	No
Residential and Commercial	38	Yes	Yes
Electrical Power	53	Yes	Yes
High GWP	11	Yes	Yes
Industrial	83	No	No
Recycling and Waste	8	Yes	Yes
Transportation	103	Yes	Yes
Sub Total	320		
Cap-and-Trade Program	-60		
Total	260		
Total Locally Appropriate <sup>3</sup> :	213		

<sup>1</sup>. California Air Resources Board. California 1990 Greenhouse Gas Emissions Level and 2020 Limit by Sector and Activity (Land Use-driven sectors only) MMTCO<sub>2</sub>e - (based upon IPCC Fourth Assessment Report Global Warming Potentials).  
<sup>2</sup>. Locally Appropriate is characterized as an emissions sector being directly impacted by the proposed land uses.  
<sup>3</sup>. Excludes Agriculture & Industrial Sector Land Uses not considered locally appropriate.

**Table GHG-3. Project-Level GHG Efficiency Threshold Calculation**

	Year 2030
Land Use Sectors GHG Emissions Target (CO <sub>2</sub> e) <sup>1</sup>	213,000,000
Population	41,860,549
Employment	20,729,820
Service Population (SP)	62,590,369
Locally-Appropriate GHG Efficiency Threshold (MTCO <sub>2</sub> e/SP/yr)	3.4

GHG = Greenhouse gas; CO<sub>2</sub>e = Carbon dioxide equivalent; SP = Service population;  
 MTCO<sub>2</sub>e = Metric tons of carbon dioxide equivalent; yr = Year  
<sup>1</sup>. Based on ARB 2017 Climate Scoping Plan Update/SB 32 Scoping Plan Emissions Sector targets. Excludes the industrial or agriculture sector and cap-and-trade program to represent a locally-appropriate target.

## Methodology

### Short-term Construction Impacts

Short-term emissions were quantified using the CalEEMod, version 2020.4.0, based on estimated acreages and building square footage for the proposed project. Other modeling assumptions, including construction equipment requirements, hours of use, worker, and vendor vehicle trips, trip distances, and fleet mix were based on model defaults for the County. To be conservative, amortized construction-generated GHG emissions were included in the annual operational GHG emissions estimates. Neither the SBCAPCD nor the City of Santa Maria has provided guidance on what the amortization period for individual projects should be. The South Coast Air Quality Management District (SCAQMD) recommends a period of 30 years (SCAQMD 2008). In contrast, the San Luis Obispo County Air Pollution Control District (SLOAPCD) recommends a 50-year period for residential projects and a 25-year period for non-residential or commercial projects (SLOAPCD 2012). To be conservative, the SLOAPCD 25-year amortization period is utilized in this analysis.

## Long-term Operational Air Quality Impacts

Long-term operational GHG emissions were calculated using the CalEEMod, version 2020.4.0. Emissions modeling included quantification of emissions associated with area sources, energy use, and mobile sources. Trip-generation rates for the proposed land uses were derived from the traffic analysis prepared for this project (ATE 2022). The fleet mix for residential land uses was based on the recommended fleet mix for residential projects derived from the SJVAPCD. Specific fleet-mix data for the commercial land use was not available and, therefore, were based on the default fleet mix identified in CalEEMod. Intensity factors for PG&E were updated to reflect the Renewable Portfolio Standards (RPS) program requirement for the use of renewable sources. To be conservative, electricity use associated with the installation of solar photovoltaic systems was not included. The project's service population was calculated to total 1,802 (i.e., 1,346 residents and 456 employees). The estimated number of residents was derived from CalEEMod. The estimated number of project employees was based on information derived from the Institute of Transportation Engineers (ITE, 2022).

Emission modeling files are provided in Appendix A.

## Project Impacts and Mitigation Measures

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

Estimated GHG emissions attributable to future development would be primarily associated with increases of CO<sub>2</sub> from mobile sources. To a lesser extent, other GHG pollutants, such as CH<sub>4</sub> and N<sub>2</sub>O, 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 the construction of the proposed project are summarized in Table GHG-4. Based on the modeling conducted, construction-related GHG emissions would total approximately 3,153.8 MTCO<sub>2</sub>e. Amortized GHG emissions, when averaged over the conservative assumption of 25-year life of the project, would total approximately 126.2 MTCO<sub>2</sub>e/year. Actual emissions may vary, depending on the final construction schedules, equipment required, and activities conducted. Amortized construction-generated GHG emissions are included in the operational GHG emissions impact discussion provided below.

**Table GHG-4. Construction-Generated GHG Emissions without Mitigation**

Construction Year	GHG Emissions (MTCO <sub>2</sub> e/Year)
2024	1,235.6
2025	1,356.6
2026	561.6
Construction Total:	3,153.8
Amortized Construction Emissions:	126.2
MTCO <sub>2</sub> e = Metric tons of carbon dioxide equivalent	
Amortized emissions are quantified based on a 25-year project life.	

### Long-term Operational GHG Emissions

Estimated long-term increases in GHG emissions associated with the proposed project are summarized in Table GHG-5. As depicted, operational GHG emissions for the proposed project, with the inclusion of amortized construction GHGs, would total approximately 6,079.3 MTCO<sub>2</sub>e/year for 2027. Under 2030 operating conditions GHG emissions would total approximately 5,751 MTCO<sub>2</sub>e/year. 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. Project-

generated GHG emissions are projected to decrease in future years due largely to improvements in energy-efficiency and vehicle fleet emissions.

Based on an estimated service population of 1,802, the calculated GHG efficiency for the proposed project, without mitigation, would be 3.37 MTCO<sub>2</sub>e/SP/yr in 2027 and 3.19 MTCO<sub>2</sub>e/SP/yr in 2030. Project-generated GHG emissions would not exceed the 2030 efficiency threshold of 3.4 MTCO<sub>2</sub>e/SP/yr. As a result, the proposed project would not be considered to generate GHG emission, either directly or indirectly, that would have a significant impact on the environment. Implementation of the proposed project would not result in a cumulatively considerable contribution to impacts related to GHG emissions or climate change. This impact would be considered **less than significant**.

**Table GHG-5. Operational GHG Emissions without Mitigation**

Emission Source	Emissions (MTCO <sub>2</sub> e/Year) Residential & Commercial	
	2027	2030
Area	6.2	6.2
Energy	920.4	875.2
Mobile	4,817.8	4,538.5
Waste	158.7	158.7
Water	50.0	46.3
Total Operational Emissions:	5,953.1	5,624.8
Amortized Construction Emissions:	126.2	126.2
Total with Amortized Construction Emissions:	6,079.3	5,751
Service Population (SP):	1,802	1,802
MTCO <sub>2</sub> e/SP:	3.37	3.19
Locally-Appropriate GHG Efficiency Significance Threshold:		3.4
Exceeds Threshold?		<b>No</b>
GHG = Greenhouse gas; SP = Service population; MTCO <sub>2</sub> e = Metric tons of carbon dioxide equivalent		
Service population was quantified based on employment and population estimates obtained from CalEEMod and ITE.		

**Impact GHG-B Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.**

The City of Santa Maria has not adopted a Climate Action Plan or other GHG reduction plan. As noted in Table GHG-5, operational GHG emissions attributable to the proposed project would be primarily associated with mobile sources and energy use. Applicable GHG-reduction plans related to reducing operational GHG emissions include the SBCAG 2050 *Regional Transportation Plan and Sustainable Communities Strategies* (2050 RTP/SCS) and the ARB's 2017 *Climate Change Scoping Plan*. The project's consistency with these plans is discussed in greater detail, as follows:

**SBCAG 2050 Regional Transportation Plan and Sustainable Communities Strategies**

SBCAG's 2050 RTP and SCS provide land use and transportation strategies to reduce regional GHG emissions. The project's consistency with applicable goals and objectives from the 2050 RTP/SCS are discussed in Table GHG-6 (SBCAG 2021). As noted in Table GHG-6, the proposed project would not result in increased VMT and therefore would not exceed the City's thresholds. However, additional measures would be required to ensure consistency with objectives related to the promotion of alternative forms of transportation. As a result, this impact would be considered **potentially significant**.

**Table GHG-6. Project Consistency with SBCAG 2050 RTP and SCS, Goals and Objectives**

Objectives	Consistency
E1: Reduce GHG emissions in compliance with ARB Regional Targets.	<b>Consistent.</b> The proposed project would allow for the future development of a mix of land uses, including residential and commercial uses. Consistent with CEQA Guidelines Sections 15064.3 and 15064.7, Thresholds of Significance, the City of Santa Maria has adopted VMT screening criteria and thresholds for determining whether a project's VMT would be considered significant. Based on the traffic analysis prepared for this project, the proposed mixed-use project would not result in increased VMT that would exceed the City's thresholds. Specifically, VMT associated with residential component of the project (with reductions for mixed use development) would not exceed the City's VMT threshold of 6.17 VMT per capita and the proposed retail component of the project is estimated to result in a net decrease of 43,303 VMT (ATE 2022). Net reductions in VMT would be anticipated to result in overall reductions in mobile-source emissions. As a result, the project would not be considered to result in a significant increase in VMT that would conflict with regional VMT reduction targets. Therefore, the project would be consistent with objectives E1, E2, E3, & E5.
E2: Reduce criteria pollutant emissions.	<b>Consistent with Mitigation.</b> As noted above, the project would result be consistent with regional VMT reduction targets, which would result in overall reductions in mobile-source emissions, including emissions of criteria air pollutants. In addition, implementation of Mitigation Measure GHG-1 would include measures to promote alternative forms of transportation, which would also result in reductions of mobile-source criteria air pollutants (refer to Mitigation Measure GHG-1).
E3: Encourage affordable and workforce housing and mixed-use development within urban boundaries.	<b>Consistent.</b> As noted above, the project includes a mix of residential and commercial land uses, which would assist the City and County in meeting their housing requirements.
E4: Promote transit use and alternative transportation.	<b>Consistent.</b> The project is located along roadways proposed to have future bike lanes by the Santa Maria Bikeway Master Plan. The project would not inhibit these bike lanes from being constructed. Therefore, the project would be consistent with E4. In addition, Mitigation Measure GHG-1 requires the implementation of measures to reduce operational GHG emissions, including measures to promote the use of alternative means of transportation.
E5: Reduce vehicle miles traveled.	<b>Consistent.</b> As noted above, the project would be consistent with regional VMT-reduction targets.
M&SR1: Manage congestion at acceptable levels.	<b>Consistent.</b> The project would reduce congestion by reducing the VMT for residence in the southern Santa Maria and Orcutt areas. Therefore, the project would be consistent with M&SR1.
M&SR2: Increase bike, walk, and transit mode share.	<b>Consistent with Mitigation.</b> Mitigation measures have been included to further support alternative modes of transportation (refer to Mitigation Measure GHG-1). With mitigation, the project would be consistent with M&SR2.
EQ1: Comply with HCD/Regional Housing Needs Assessment.	<b>Consistent.</b> The proposed project would assist the county in meeting its housing requirements.
EQ3: Support State and federal goals for reducing the frequency and severity of collisions.	<b>Consistent.</b> The intersections effected by the project are not anticipated to have an accident rate above the statewide average (ATE 2022). As a result, the project would reduce the frequency of collisions on the transportation network. Therefore, the project would be consistent with EQ2.
H&S2: Optimize network performance to reduce time lost to commuting.	<b>Consistent.</b> The project design would reduce congestion by reducing the VMT for residences in the southern Santa Maria and Orcutt Areas. Therefore, the project would be consistent with H&S2.

#### ARB California's 2017 Climate Change Scoping Plan

As previously noted, ARB's 2017 Climate Change Scoping Plan reflects the new statewide GHG emissions reductions of 40 percent below 1990 emissions levels by 2030, as mandated by SB 32. A significant part of achieving the SB 32 goals are strategies to promote sustainable communities, such as the promotion of zero

net energy buildings, and improved transportation choices that result in reducing VMT. Other measures include the increased use of low-carbon fuels and cleaner vehicles.

To support the State's GHG emissions reduction goals, including the goals mandated by SB 32, California established the Sustainable Communities and Climate Protection Act (SB 375). SB 375 requires regional metropolitan planning organizations, such as SBCAG, to develop SCSs which align transportation, housing, and land use decisions toward achieving the State's GHG emissions-reduction targets. Under SB 375, the development and implementation of SCSs, which link transportation, land use, housing, and climate policy at the regional level, are designed to reduce per capita mobile-source GHG emissions, which is accomplished through implementation of measures that would result in reductions in per capita VMT.

In 2018, ARB adopted more aggressive SB 375 targets as one measure to support progress toward the 2017 Scoping Plan goals. SB 375 aims to achieve, a 19 percent reduction in statewide per capita GHG emissions from passenger vehicles by year 2035 (relative to year 2005). To achieve this reduction, ARB sets target reductions for various regions throughout the state to be included in the RTP and SCS prepared for these regions. As discussed above (refer to Table GHG-6, Objective E1) , the proposed project would not exceed applicable VMT thresholds. As a result, the proposed project would not conflict with regional VMT-reduction goals. In addition, as noted in Impact GHG-1, the proposed project would not exceed the efficiency threshold of 3.4 MTCO<sub>2e</sub>/SP/year, which is based on achieving SB-32 year 2030 GHG-reduction targets, consistent with ARB's 2017 Climate Change Scoping Plan. For these reasons, the proposed project would not conflict with the 2017 Climate Change Scoping Plan.

However, it is important to note that the ARB has recently released its Draft 2022 Climate Change Scoping Plan Update (ARB 2022). Consistent with the current 2017 Scoping Plan, the Draft 2022 Scoping Plan assesses the State's progress towards meeting its target of reducing statewide GHG emissions to 40 percent below the 1990 levels by 2030. The Draft 2022 Scoping Plan also lays out a path for achieving carbon neutrality no later than 2045, per the goal identified in Executive Order B-55-18. The draft Scoping Plan is anticipated to be approved in the fall of 2022.

For land use development projects, additional reductions in GHG emissions maybe required in order to meet the project's fair share of the statewide reductions required to achieve carbon neutrality, consistent with Executive Order B-55-18 and ARB's Draft 2022 Climate Change Scoping Plan Update. Neither the SBCAPCD nor the City of Santa Maria have developed recommended thresholds of significance that are based on achieving carbon neutrality by year 2045. However, the Bay Area Air Quality Management District (BAAQMD) has recently release recommended GHG significance thresholds that are based on a "fair share" approach for achieving carbon neutrality goals. Consistent with this approach, new land use development projects would be considered to be consistent with the State's carbon neutrality goals and would be considered to have a less than significant impact if: 1) the project is deemed consistent with regional VMT-reduction targets; 2) the project prohibits the installation of natural gas infrastructure; and 3) the project would not result in a wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. Similarly, the Sacramento Metropolitan Air Quality Management District (SMAQMD) has also recently released Best Management Practices (BMPs), which also include the prohibited installation of natural gas infrastructure for development projects, as well as, a requirement that project's meet current CalGreen Tier 2 standards for electric vehicle (EV) spaces, except that EV-capable spaces shall instead be EV ready. This additional requirement requires the installation of electrical infrastructure sufficient to service the future installation of EV chargers. The BAAQMD and SMAQMD thresholds are based on an approach endorsed by the Supreme Court in *Center for Biological Diversity v. Department of Fish & Wildlife* (2015). Although not located within these jurisdictions, development in Santa Maria and associated GHG emissions are comparable to those generated by developments within other areas of the state, including the BAAQMD and SMAQMD jurisdictions. Given that climate change is inherently a cumulative impact that occurs on a global scale, these BMPs would, likewise, be considered representative of the project's "fair share" of what would be required to meet the State's long-term climate goals, including achieving carbon neutrality by 2045, as identified by the BAAQMD and the SMAQMD.

As noted above, the proposed project would be consistent with the regional VMT-reduction targets. However, the proposed project does not include BMPs that would constitute its "fair share" of what would be required to meet the State's long-term climate goals, including achieving carbon neutrality by 2045. As a result, this impact would be considered **potentially significant**.

### **Mitigation Measures**

**GHG-1:** The project shall include the following design features to encourage the use of alternate transportation modes and reduce mobile-source emissions:

- a. Provide a pedestrian-friendly and interconnected streetscape with good access to/from the development for pedestrians, bicyclists, and transit users to make alternative transportation more convenient, comfortable, and safe.
- b. Incorporate traffic calming modifications to project roads to reduce vehicle speeds and increase pedestrian and bicycle usage and safety.
- c. Provide employee lockers and showers to promote bicycle and pedestrian use. One shower and 5 lockers for every 25 new employees is recommended.
- d. Increase bicycle accessibility and safety in the vicinity of the project; for example: provide interconnected bicycle routes/lanes or construction of bikeways.
- e. Exceed Cal Green standards by 25 percent for providing on-site bicycle parking; both short-term racks and long-term lockers, or a locked room with standard racks and access limited to bicyclists only.
- f. Meet current CalGreen Tier 2 standards for electric vehicle (EV) parking spaces, except that all EV parking spaces required by the code to be EV capable shall instead be EV ready.

**GHG-2:** The servicing of proposed residential and commercial development by natural gas shall be prohibited.

### **Significance After Mitigation**

Implementation of Mitigation Measure GHG-1 would include measures to promote the use of alternative means of transportation, which would reduce VMT and associated mobile-source emissions consistent with applicable RTP/SCS objectives. The installation of electrically-powered appliances and building mechanical equipment in place of natural-gas fueled equipment would further reduce on-site emissions of GHGs in residential land uses. In addition, Mitigation Measure Energy-1 would require proposed land uses to receive electricity from Central Coast Community Energy (3CE). 3CE is striving to provide 100 percent electricity from renewable sources by 2030. Additional measures have also been included to require the installation of EV-ready parking spaces and to prohibit the installation of natural gas. With mitigation, the proposed project would not conflict with ARB's 2017 Climate Change Scoping Plan and would be contributing its fair share toward achieving the State's goal of carbon neutrality by 2045, per Executive Order B-55-18 and ARB's Draft 2022 Climate Change Scoping Plan. With mitigation, this impact would be considered **less than significant**.



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## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Richards Ranch Annexation Project Residential****Santa Barbara-North of Santa Ynez County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	400.00	Dwelling Unit	18.20	400,000.00	1088
Condo/Townhouse	95.00	Dwelling Unit	9.20	95,000.00	258

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2027
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	152.51	<b>CH4 Intensity (lb/MWhr)</b>	0.025	<b>N2O Intensity (lb/MWhr)</b>	0.003

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

Project Characteristics - Intensity factor based on Renewable Portfolio Standard for PG&E in 2027.

Land Use - Lot Acreage is based on Site Plan

Construction Phase - Building Construction is based on construction schedule and Arch Coating is spread out during construction to reflect typical construction phasing practices. Rest of phasing is left as default.

Trips and VMT -

Demolition - No existing building are on site, left phase to account for potential vegetation removal

Grading - No info is available as of (3/28)

Architectural Coating - Use Low VOC paints (50 g/L)

Vehicle Trips - Trip rates are based on Traffic Study with 30% reduction to account for internal trips.

Area Coating - Low VOC Paints

Construction Off-road Equipment Mitigation - Tier 4 and water exposed area

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mobile Land Use Mitigation - Project will improve pedestrian network and will be located 0.14 miles from a bus stop.

Area Mitigation - Use Low VOC Paints

Water Mitigation -

Waste Mitigation -

Fleet Mix - SJVAPCD Fleet Mix for residential used.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	440.00	557.00
tblConstructionPhase	NumDays	35.00	469.00
tblFleetMix	HHD	6.2590e-003	0.02
tblFleetMix	HHD	6.2590e-003	0.02
tblFleetMix	LDA	0.51	0.52
tblFleetMix	LDA	0.51	0.52
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT1	0.06	0.22
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tblFleetMix	LDT2	0.21	0.17
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tblFleetMix	LHD1	0.03	8.0000e-004
tblFleetMix	LHD2	6.4690e-003	1.0000e-003

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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tblFleetMix	MDV	0.14	0.06
tblFleetMix	MH	3.4740e-003	2.5000e-003
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tblFleetMix	SBUS	3.3620e-003	5.0000e-004
tblFleetMix	UBUS	5.6000e-004	4.4000e-003
tblFleetMix	UBUS	5.6000e-004	4.4000e-003
tblLandUse	LotAcreage	25.00	18.20
tblLandUse	LotAcreage	5.94	9.20
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	WD_TR	7.32	4.62
tblVehicleTrips	WD_TR	7.32	4.62

**2.0 Emissions Summary**



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	9.4263	32.4106	28.0973	0.0631	19.7707	1.3360	21.0006	10.1326	1.2291	11.2641	0.0000	6,112.124 3	6,112.124 3	1.9475	0.2266	6,161.826 3
2025	9.2448	16.7173	26.2068	0.0597	3.0109	0.6052	3.6162	0.8058	0.5724	1.3782	0.0000	5,998.183 2	5,998.183 2	0.7377	0.2192	6,081.942 0
2026	9.1845	16.6025	25.6422	0.0589	3.0109	0.6040	3.6150	0.8058	0.5713	1.3771	0.0000	5,927.506 4	5,927.506 4	0.7427	0.2124	6,009.124 4
Maximum	9.4263	32.4106	28.0973	0.0631	19.7707	1.3360	21.0006	10.1326	1.2291	11.2641	0.0000	6,112.124 3	6,112.124 3	1.9475	0.2266	6,161.826 3

**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					
2024	8.1315	5.5925	33.3736	0.0631	7.7799	0.1021	7.8425	3.9701	0.1021	4.0327	0.0000	6,112.124 3	6,112.124 3	1.9475	0.2266	6,161.826 3
2025	8.0640	5.4656	27.6057	0.0597	3.0109	0.0709	3.0818	0.8058	0.0694	0.8752	0.0000	5,998.183 2	5,998.183 2	0.7377	0.2192	6,081.942 0
2026	8.0037	5.3508	27.0410	0.0589	3.0109	0.0697	3.0806	0.8058	0.0682	0.8741	0.0000	5,927.506 4	5,927.506 4	0.7427	0.2124	6,009.124 4
Maximum	8.1315	5.5925	33.3736	0.0631	7.7799	0.1021	7.8425	3.9701	0.1021	4.0327	0.0000	6,112.124 3	6,112.124 3	1.9475	0.2266	6,161.826 3

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	13.13	75.04	-10.10	0.00	46.49	90.46	50.39	52.47	89.90	58.76	0.00	0.00	0.00	0.00	0.00	0.00

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938
Energy	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357
Mobile	2.7534	4.9799	28.5158	0.0731	8.9080	0.0543	8.9623	2.3693	0.0507	2.4199		7,842.1442	7,842.1442	0.5322	0.4293	7,983.3663
<b>Total</b>	<b>15.5850</b>	<b>6.8604</b>	<b>69.9155</b>	<b>0.0843</b>	<b>8.9080</b>	<b>0.3948</b>	<b>9.3027</b>	<b>2.3693</b>	<b>0.3911</b>	<b>2.7604</b>	<b>0.0000</b>	<b>9,716.4125</b>	<b>9,716.4125</b>	<b>0.6371</b>	<b>0.4623</b>	<b>9,870.0959</b>

**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	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938
Energy	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357
Mobile	2.6802	4.3070	25.0678	0.0582	6.9927	0.0445	7.0372	1.8599	0.0415	1.9013		6,236.0967	6,236.0967	0.4719	0.3672	6,357.3050
<b>Total</b>	<b>15.5118</b>	<b>6.1876</b>	<b>66.4675</b>	<b>0.0693</b>	<b>6.9927</b>	<b>0.3849</b>	<b>7.3776</b>	<b>1.8599</b>	<b>0.3819</b>	<b>2.2418</b>	<b>0.0000</b>	<b>8,110.3649</b>	<b>8,110.3649</b>	<b>0.5768</b>	<b>0.4002</b>	<b>8,244.0346</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	0.47	9.81	4.93	17.76	21.50	2.49	20.69	21.50	2.35	18.79	0.00	16.53	16.53	9.46	13.43	16.47

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing	Demolition	1/1/2024	2/9/2024	5	30	
2	Site Preparation	Site Preparation	2/10/2024	3/8/2024	5	20	
3	Grading	Grading	3/9/2024	5/10/2024	5	45	
4	Building Construction	Building Construction	5/11/2024	6/30/2026	5	557	
5	Architectural Coating	Architectural Coating	11/1/2024	8/19/2026	5	469	
6	Paving	Paving	7/1/2026	8/18/2026	5	35	

**Acres of Grading (Site Preparation Phase): 30****Acres of Grading (Grading Phase): 135****Acres of Paving: 0****Residential Indoor: 1,002,375; Residential Outdoor: 334,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing	Concrete/Industrial Saws	1	8.00	81	0.73
Grubbing	Excavators	3	8.00	158	0.38
Grubbing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

**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
Grubbing	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	356.00	53.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	71.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Reduce Vehicle Speed on Unpaved Roads

**3.2 Grubbing - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>2.2437</b>	<b>20.8781</b>	<b>19.7073</b>	<b>0.0388</b>		<b>0.9602</b>	<b>0.9602</b>		<b>0.8922</b>	<b>0.8922</b>		<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0389</b>	<b>0.0253</b>	<b>0.2809</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>76.7817</b>	<b>76.7817</b>	<b>2.8700e-003</b>	<b>2.5500e-003</b>	<b>77.6143</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Grubbing - 2024****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	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>0.4623</b>	<b>2.0032</b>	<b>23.2798</b>	<b>0.0388</b>		<b>0.0616</b>	<b>0.0616</b>		<b>0.0616</b>	<b>0.0616</b>	<b>0.0000</b>	<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0389</b>	<b>0.0253</b>	<b>0.2809</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>76.7817</b>	<b>76.7817</b>	<b>2.8700e-003</b>	<b>2.5500e-003</b>	<b>77.6143</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>19.6570</b>	<b>1.2294</b>	<b>20.8864</b>	<b>10.1025</b>	<b>1.1310</b>	<b>11.2335</b>		<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0466	0.0303	0.3370	8.9000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		92.1380	92.1380	3.4400e-003	3.0600e-003	93.1372
<b>Total</b>	<b>0.0466</b>	<b>0.0303</b>	<b>0.3370</b>	<b>8.9000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>92.1380</b>	<b>92.1380</b>	<b>3.4400e-003</b>	<b>3.0600e-003</b>	<b>93.1372</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0381</b>	<b>7.6662</b>	<b>0.0621</b>	<b>7.7283</b>	<b>3.9400</b>	<b>0.0621</b>	<b>4.0020</b>	<b>0.0000</b>	<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0466	0.0303	0.3370	8.9000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		92.1380	92.1380	3.4400e-003	3.0600e-003	93.1372
<b>Total</b>	<b>0.0466</b>	<b>0.0303</b>	<b>0.3370</b>	<b>8.9000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>92.1380</b>	<b>92.1380</b>	<b>3.4400e-003</b>	<b>3.0600e-003</b>	<b>93.1372</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.748 7	6,009.748 7	1.9437		6,058.340 5
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.3354</b>	<b>10.5390</b>	<b>3.6538</b>	<b>1.2286</b>	<b>4.8823</b>		<b>6,009.748 7</b>	<b>6,009.748 7</b>	<b>1.9437</b>		<b>6,058.340 5</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0518	0.0337	0.3745	9.9000e-004	0.1263	5.9000e-004	0.1269	0.0335	5.4000e-004	0.0341		102.3756	102.3756	3.8300e-003	3.4000e-003	103.4858
<b>Total</b>	<b>0.0518</b>	<b>0.0337</b>	<b>0.3745</b>	<b>9.9000e-004</b>	<b>0.1263</b>	<b>5.9000e-004</b>	<b>0.1269</b>	<b>0.0335</b>	<b>5.4000e-004</b>	<b>0.0341</b>		<b>102.3756</b>	<b>102.3756</b>	<b>3.8300e-003</b>	<b>3.4000e-003</b>	<b>103.4858</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,009.748 7	6,009.748 7	1.9437		6,058.340 5
<b>Total</b>	<b>0.7616</b>	<b>3.3000</b>	<b>32.9991</b>	<b>0.0621</b>	<b>3.5894</b>	<b>0.1015</b>	<b>3.6909</b>	<b>1.4250</b>	<b>0.1015</b>	<b>1.5265</b>	<b>0.0000</b>	<b>6,009.748 7</b>	<b>6,009.748 7</b>	<b>1.9437</b>		<b>6,058.340 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0518	0.0337	0.3745	9.9000e-004	0.1263	5.9000e-004	0.1269	0.0335	5.4000e-004	0.0341		102.3756	102.3756	3.8300e-003	3.4000e-003	103.4858
<b>Total</b>	<b>0.0518</b>	<b>0.0337</b>	<b>0.3745</b>	<b>9.9000e-004</b>	<b>0.1263</b>	<b>5.9000e-004</b>	<b>0.1269</b>	<b>0.0335</b>	<b>5.4000e-004</b>	<b>0.0341</b>		<b>102.3756</b>	<b>102.3756</b>	<b>3.8300e-003</b>	<b>3.4000e-003</b>	<b>103.4858</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0636	2.5099	0.8539	9.5000e-003	0.3142	0.0146	0.3288	0.0904	0.0139	0.1044		1,043.1248	1,043.1248	0.0454	0.1539	1,090.1133
Worker	0.9223	0.5996	6.6659	0.0177	2.2483	0.0105	2.2588	0.5965	9.6200e-003	0.6061		1,822.2854	1,822.2854	0.0681	0.0606	1,842.0464
<b>Total</b>	<b>0.9859</b>	<b>3.1095</b>	<b>7.5198</b>	<b>0.0272</b>	<b>2.5625</b>	<b>0.0250</b>	<b>2.5875</b>	<b>0.6869</b>	<b>0.0236</b>	<b>0.7105</b>		<b>2,865.4102</b>	<b>2,865.4102</b>	<b>0.1135</b>	<b>0.2145</b>	<b>2,932.1597</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0636	2.5099	0.8539	9.5000e-003	0.3142	0.0146	0.3288	0.0904	0.0139	0.1044		1,043.1248	1,043.1248	0.0454	0.1539	1,090.1133
Worker	0.9223	0.5996	6.6659	0.0177	2.2483	0.0105	2.2588	0.5965	9.6200e-003	0.6061		1,822.2854	1,822.2854	0.0681	0.0606	1,842.0464
<b>Total</b>	<b>0.9859</b>	<b>3.1095</b>	<b>7.5198</b>	<b>0.0272</b>	<b>2.5625</b>	<b>0.0250</b>	<b>2.5875</b>	<b>0.6869</b>	<b>0.0236</b>	<b>0.7105</b>		<b>2,865.4102</b>	<b>2,865.4102</b>	<b>0.1135</b>	<b>0.2145</b>	<b>2,932.1597</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0608	2.4567	0.8341	9.3100e-003	0.3142	0.0142	0.3284	0.0904	0.0136	0.1040		1,024.474 3	1,024.474 3	0.0470	0.1514	1,070.751 0
Worker	0.8684	0.5381	6.2353	0.0171	2.2483	9.9700e-003	2.2583	0.5965	9.1800e-003	0.6056		1,780.655 7	1,780.655 7	0.0620	0.0566	1,799.059 8
<b>Total</b>	<b>0.9292</b>	<b>2.9948</b>	<b>7.0694</b>	<b>0.0264</b>	<b>2.5625</b>	<b>0.0242</b>	<b>2.5867</b>	<b>0.6869</b>	<b>0.0228</b>	<b>0.7097</b>		<b>2,805.130 0</b>	<b>2,805.130 0</b>	<b>0.1090</b>	<b>0.2079</b>	<b>2,869.810 8</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0608	2.4567	0.8341	9.3100e-003	0.3142	0.0142	0.3284	0.0904	0.0136	0.1040		1,024.474 3	1,024.474 3	0.0470	0.1514	1,070.751 0
Worker	0.8684	0.5381	6.2353	0.0171	2.2483	9.9700e-003	2.2583	0.5965	9.1800e-003	0.6056		1,780.655 7	1,780.655 7	0.0620	0.0566	1,799.059 8
<b>Total</b>	<b>0.9292</b>	<b>2.9948</b>	<b>7.0694</b>	<b>0.0264</b>	<b>2.5625</b>	<b>0.0242</b>	<b>2.5867</b>	<b>0.6869</b>	<b>0.0228</b>	<b>0.7097</b>		<b>2,805.130 0</b>	<b>2,805.130 0</b>	<b>0.1090</b>	<b>0.2079</b>	<b>2,869.810 8</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0582	2.4043	0.8178	9.1200e-003	0.3142	0.0138	0.3280	0.0904	0.0132	0.1037		1,005.792 7	1,005.792 7	0.0485	0.1488	1,051.347 2
Worker	0.8203	0.4861	5.7782	0.0165	2.2483	9.2900e-003	2.2576	0.5965	8.5500e-003	0.6050		1,737.306 1	1,737.306 1	0.0564	0.0531	1,754.527 5
<b>Total</b>	<b>0.8785</b>	<b>2.8904</b>	<b>6.5960</b>	<b>0.0257</b>	<b>2.5625</b>	<b>0.0231</b>	<b>2.5856</b>	<b>0.6869</b>	<b>0.0218</b>	<b>0.7087</b>		<b>2,743.098 8</b>	<b>2,743.098 8</b>	<b>0.1049</b>	<b>0.2019</b>	<b>2,805.874 7</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0582	2.4043	0.8178	9.1200e-003	0.3142	0.0138	0.3280	0.0904	0.0132	0.1037		1,005.792 7	1,005.792 7	0.0485	0.1488	1,051.347 2
Worker	0.8203	0.4861	5.7782	0.0165	2.2483	9.2900e-003	2.2576	0.5965	8.5500e-003	0.6050		1,737.306 1	1,737.306 1	0.0564	0.0531	1,754.527 5
<b>Total</b>	<b>0.8785</b>	<b>2.8904</b>	<b>6.5960</b>	<b>0.0257</b>	<b>2.5625</b>	<b>0.0231</b>	<b>2.5856</b>	<b>0.6869</b>	<b>0.0218</b>	<b>0.7087</b>		<b>2,743.098 8</b>	<b>2,743.098 8</b>	<b>0.1049</b>	<b>0.2019</b>	<b>2,805.874 7</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>6.7849</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1839	0.1196	1.3294	3.5200e-003	0.4484	2.0800e-003	0.4505	0.1190	1.9200e-003	0.1209		363.4333	363.4333	0.0136	0.0121	367.3744
<b>Total</b>	<b>0.1839</b>	<b>0.1196</b>	<b>1.3294</b>	<b>3.5200e-003</b>	<b>0.4484</b>	<b>2.0800e-003</b>	<b>0.4505</b>	<b>0.1190</b>	<b>1.9200e-003</b>	<b>0.1209</b>		<b>363.4333</b>	<b>363.4333</b>	<b>0.0136</b>	<b>0.0121</b>	<b>367.3744</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****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	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>6.6338</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1839	0.1196	1.3294	3.5200e-003	0.4484	2.0800e-003	0.4505	0.1190	1.9200e-003	0.1209		363.4333	363.4333	0.0136	0.0121	367.3744
<b>Total</b>	<b>0.1839</b>	<b>0.1196</b>	<b>1.3294</b>	<b>3.5200e-003</b>	<b>0.4484</b>	<b>2.0800e-003</b>	<b>0.4505</b>	<b>0.1190</b>	<b>1.9200e-003</b>	<b>0.1209</b>		<b>363.4333</b>	<b>363.4333</b>	<b>0.0136</b>	<b>0.0121</b>	<b>367.3744</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.7750</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1732	0.1073	1.2436	3.4100e-003	0.4484	1.9900e-003	0.4504	0.1190	1.8300e-003	0.1208		355.1308	355.1308	0.0124	0.0113	358.8013
<b>Total</b>	<b>0.1732</b>	<b>0.1073</b>	<b>1.2436</b>	<b>3.4100e-003</b>	<b>0.4484</b>	<b>1.9900e-003</b>	<b>0.4504</b>	<b>0.1190</b>	<b>1.8300e-003</b>	<b>0.1208</b>		<b>355.1308</b>	<b>355.1308</b>	<b>0.0124</b>	<b>0.0113</b>	<b>358.8013</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****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	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.6338</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1732	0.1073	1.2436	3.4100e-003	0.4484	1.9900e-003	0.4504	0.1190	1.8300e-003	0.1208		355.1308	355.1308	0.0124	0.0113	358.8013
<b>Total</b>	<b>0.1732</b>	<b>0.1073</b>	<b>1.2436</b>	<b>3.4100e-003</b>	<b>0.4484</b>	<b>1.9900e-003</b>	<b>0.4504</b>	<b>0.1190</b>	<b>1.8300e-003</b>	<b>0.1208</b>		<b>355.1308</b>	<b>355.1308</b>	<b>0.0124</b>	<b>0.0113</b>	<b>358.8013</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.7750</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1636	0.0969	1.1524	3.3000e-003	0.4484	1.8500e-003	0.4503	0.1190	1.7100e-003	0.1207		346.4852	346.4852	0.0113	0.0106	349.9198
<b>Total</b>	<b>0.1636</b>	<b>0.0969</b>	<b>1.1524</b>	<b>3.3000e-003</b>	<b>0.4484</b>	<b>1.8500e-003</b>	<b>0.4503</b>	<b>0.1190</b>	<b>1.7100e-003</b>	<b>0.1207</b>		<b>346.4852</b>	<b>346.4852</b>	<b>0.0113</b>	<b>0.0106</b>	<b>349.9198</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****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	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.6338</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1636	0.0969	1.1524	3.3000e-003	0.4484	1.8500e-003	0.4503	0.1190	1.7100e-003	0.1207		346.4852	346.4852	0.0113	0.0106	349.9198
<b>Total</b>	<b>0.1636</b>	<b>0.0969</b>	<b>1.1524</b>	<b>3.3000e-003</b>	<b>0.4484</b>	<b>1.8500e-003</b>	<b>0.4503</b>	<b>0.1190</b>	<b>1.7100e-003</b>	<b>0.1207</b>		<b>346.4852</b>	<b>346.4852</b>	<b>0.0113</b>	<b>0.0106</b>	<b>349.9198</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0205	0.2435	7.0000e-004	0.0947	3.9000e-004	0.0951	0.0251	3.6000e-004	0.0255		73.2011	73.2011	2.3800e-003	2.2400e-003	73.9267
<b>Total</b>	<b>0.0346</b>	<b>0.0205</b>	<b>0.2435</b>	<b>7.0000e-004</b>	<b>0.0947</b>	<b>3.9000e-004</b>	<b>0.0951</b>	<b>0.0251</b>	<b>3.6000e-004</b>	<b>0.0255</b>		<b>73.2011</b>	<b>73.2011</b>	<b>2.3800e-003</b>	<b>2.2400e-003</b>	<b>73.9267</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2805</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0205	0.2435	7.0000e-004	0.0947	3.9000e-004	0.0951	0.0251	3.6000e-004	0.0255		73.2011	73.2011	2.3800e-003	2.2400e-003	73.9267
<b>Total</b>	<b>0.0346</b>	<b>0.0205</b>	<b>0.2435</b>	<b>7.0000e-004</b>	<b>0.0947</b>	<b>3.9000e-004</b>	<b>0.0951</b>	<b>0.0251</b>	<b>3.6000e-004</b>	<b>0.0255</b>		<b>73.2011</b>	<b>73.2011</b>	<b>2.3800e-003</b>	<b>2.2400e-003</b>	<b>73.9267</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive 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	2.6802	4.3070	25.0678	0.0582	6.9927	0.0445	7.0372	1.8599	0.0415	1.9013		6,236.096 7	6,236.096 7	0.4719	0.3672	6,357.305 0
Unmitigated	2.7534	4.9799	28.5158	0.0731	8.9080	0.0543	8.9623	2.3693	0.0507	2.4199		7,842.144 2	7,842.144 2	0.5322	0.4293	7,983.366 3

**4.2 Trip Summary Information**

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,848.00	1,848.00	1848.00	3,423,285	2,687,244
Condo/Townhouse	438.90	438.90	438.90	813,030	638,220
Total	2,286.90	2,286.90	2,286.90	4,236,315	3,325,464

**4.3 Trip Type Information**

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3
Condo/Townhouse	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.518500	0.217000	0.168400	0.057500	0.000800	0.001000	0.007400	0.019500	0.000000	0.004400	0.002500	0.000500	0.002500
Condo/Townhouse	0.518500	0.217000	0.168400	0.057500	0.000800	0.001000	0.007400	0.019500	0.000000	0.004400	0.002500	0.000500	0.002500

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357
NaturalGas Unmitigated	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
Apartments Low Rise	10814	0.1166	0.9966	0.4241	6.3600e-003		0.0806	0.0806		0.0806	0.0806		1,272.2372	1,272.2372	0.0244	0.0233	1,279.7975
Condo/Townhouse	4492.23	0.0485	0.4140	0.1762	2.6400e-003		0.0335	0.0335		0.0335	0.0335		528.4976	528.4976	0.0101	9.6900e-003	531.6382
<b>Total</b>		<b>0.1651</b>	<b>1.4106</b>	<b>0.6003</b>	<b>9.0000e-003</b>		<b>0.1141</b>	<b>0.1141</b>		<b>0.1141</b>	<b>0.1141</b>		<b>1,800.7349</b>	<b>1,800.7349</b>	<b>0.0345</b>	<b>0.0330</b>	<b>1,811.4357</b>

**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					
Apartments Low Rise	10.814	0.1166	0.9966	0.4241	6.3600e-003		0.0806	0.0806		0.0806	0.0806		1,272.2372	1,272.2372	0.0244	0.0233	1,279.7975
Condo/Townhouse	4.49223	0.0485	0.4140	0.1762	2.6400e-003		0.0335	0.0335		0.0335	0.0335		528.4976	528.4976	0.0101	9.6900e-003	531.6382
<b>Total</b>		<b>0.1651</b>	<b>1.4106</b>	<b>0.6003</b>	<b>9.0000e-003</b>		<b>0.1141</b>	<b>0.1141</b>		<b>0.1141</b>	<b>0.1141</b>		<b>1,800.7349</b>	<b>1,800.7349</b>	<b>0.0345</b>	<b>0.0330</b>	<b>1,811.4357</b>

**6.0 Area Detail**

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938
Unmitigated	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.8486					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2250	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264		73.5334	73.5334	0.0704		75.2938
<b>Total</b>	<b>12.6666</b>	<b>0.4700</b>	<b>40.7994</b>	<b>2.1600e-003</b>		<b>0.2264</b>	<b>0.2264</b>		<b>0.2264</b>	<b>0.2264</b>	<b>0.0000</b>	<b>73.5334</b>	<b>73.5334</b>	<b>0.0704</b>	<b>0.0000</b>	<b>75.2938</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.8486					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2250	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264		73.5334	73.5334	0.0704		75.2938
<b>Total</b>	<b>12.6666</b>	<b>0.4700</b>	<b>40.7994</b>	<b>2.1600e-003</b>		<b>0.2264</b>	<b>0.2264</b>		<b>0.2264</b>	<b>0.2264</b>	<b>0.0000</b>	<b>73.5334</b>	<b>73.5334</b>	<b>0.0704</b>	<b>0.0000</b>	<b>75.2938</b>

**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

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

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**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**

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## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Richards Ranch Annexation Project Residential****Santa Barbara-North of Santa Ynez County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	400.00	Dwelling Unit	18.20	400,000.00	1088
Condo/Townhouse	95.00	Dwelling Unit	9.20	95,000.00	258

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2027
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	152.51	<b>CH4 Intensity (lb/MWhr)</b>	0.025	<b>N2O Intensity (lb/MWhr)</b>	0.003

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

Project Characteristics - Intensity factor based on Renewable Portfolio Standard for PG&E in 2027.

Land Use - Lot Acreage is based on Site Plan

Construction Phase - Building Construction is based on construction schedule and Arch Coating is spread out during construction to reflect typical construction phasing practices. Rest of phasing is left as default.

Trips and VMT -

Demolition - No existing building are on site, left phase to account for potential vegetation removal

Grading - No info is available as of (3/28)

Architectural Coating - Use Low VOC paints (50 g/L)

Vehicle Trips - Trip rates are based on Traffic Study with 30% reduction to account for internal trips.

Area Coating - Low VOC Paints

Construction Off-road Equipment Mitigation - Tier 4 and water exposed area



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mobile Land Use Mitigation - Project will improve pedestrian network and will be located 0.14 miles from a bus stop.

Area Mitigation - Use Low VOC Paints

Water Mitigation -

Waste Mitigation -

Fleet Mix - SJVAPCD Fleet Mix for residential used.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	440.00	557.00
tblConstructionPhase	NumDays	35.00	469.00
tblFleetMix	HHD	6.2590e-003	0.02
tblFleetMix	HHD	6.2590e-003	0.02
tblFleetMix	LDA	0.51	0.52
tblFleetMix	LDA	0.51	0.52
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.21	0.17
tblFleetMix	LDT2	0.21	0.17
tblFleetMix	LHD1	0.03	8.0000e-004
tblFleetMix	LHD1	0.03	8.0000e-004
tblFleetMix	LHD2	6.4690e-003	1.0000e-003

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblFleetMix	LHD2	6.4690e-003	1.0000e-003
tblFleetMix	MCY	0.03	2.5000e-003
tblFleetMix	MCY	0.03	2.5000e-003
tblFleetMix	MDV	0.14	0.06
tblFleetMix	MDV	0.14	0.06
tblFleetMix	MH	3.4740e-003	2.5000e-003
tblFleetMix	MH	3.4740e-003	2.5000e-003
tblFleetMix	MHD	0.01	7.4000e-003
tblFleetMix	MHD	0.01	7.4000e-003
tblFleetMix	OBUS	9.5300e-004	0.00
tblFleetMix	OBUS	9.5300e-004	0.00
tblFleetMix	SBUS	3.3620e-003	5.0000e-004
tblFleetMix	SBUS	3.3620e-003	5.0000e-004
tblFleetMix	UBUS	5.6000e-004	4.4000e-003
tblFleetMix	UBUS	5.6000e-004	4.4000e-003
tblLandUse	LotAcreage	25.00	18.20
tblLandUse	LotAcreage	5.94	9.20
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	WD_TR	7.32	4.62
tblVehicleTrips	WD_TR	7.32	4.62

**2.0 Emissions Summary**

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	9.3359	32.4064	28.0817	0.0631	19.7707	1.3360	21.0006	10.1326	1.2291	11.2641	0.0000	6,114.247 9	6,114.247 9	1.9471	0.2199	6,194.024 2
2025	9.1578	16.5616	25.8547	0.0601	3.0109	0.6052	3.6161	0.8058	0.5723	1.3782	0.0000	6,041.015 0	6,041.015 0	0.7306	0.2130	6,122.749 9
2026	9.1001	16.4556	25.2937	0.0593	3.0109	0.6040	3.6149	0.8058	0.5712	1.3770	0.0000	5,969.195 2	5,969.195 2	0.7413	0.2066	6,048.915 9
<b>Maximum</b>	<b>9.3359</b>	<b>32.4064</b>	<b>28.0817</b>	<b>0.0631</b>	<b>19.7707</b>	<b>1.3360</b>	<b>21.0006</b>	<b>10.1326</b>	<b>1.2291</b>	<b>11.2641</b>	<b>0.0000</b>	<b>6,114.247 9</b>	<b>6,114.247 9</b>	<b>1.9471</b>	<b>0.2199</b>	<b>6,194.024 2</b>

**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					
2024	8.0411	5.4264	33.3580	0.0631	7.7799	0.1021	7.8425	3.9701	0.1021	4.0327	0.0000	6,114.247 9	6,114.247 9	1.9471	0.2199	6,194.024 2
2025	7.9771	5.3098	27.2536	0.0601	3.0109	0.0709	3.0818	0.8058	0.0693	0.8751	0.0000	6,041.015 0	6,041.015 0	0.7306	0.2130	6,122.749 9
2026	7.9194	5.2039	26.6925	0.0593	3.0109	0.0697	3.0806	0.8058	0.0682	0.8740	0.0000	5,969.195 2	5,969.195 2	0.7413	0.2066	6,048.915 9
<b>Maximum</b>	<b>8.0411</b>	<b>5.4264</b>	<b>33.3580</b>	<b>0.0631</b>	<b>7.7799</b>	<b>0.1021</b>	<b>7.8425</b>	<b>3.9701</b>	<b>0.1021</b>	<b>4.0327</b>	<b>0.0000</b>	<b>6,114.247 9</b>	<b>6,114.247 9</b>	<b>1.9471</b>	<b>0.2199</b>	<b>6,194.024 2</b>

Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	13.25	75.64	-10.19	0.00	46.49	90.47	50.39	52.47	89.90	58.76	0.00	0.00	0.00	0.00	0.00	0.00

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938
Energy	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357
Mobile	2.8664	4.6227	26.2752	0.0743	8.9080	0.0542	8.9622	2.3693	0.0506	2.4199		7,968.8247	7,968.8247	0.4965	0.4080	8,102.8115
<b>Total</b>	<b>15.6980</b>	<b>6.5032</b>	<b>67.6749</b>	<b>0.0855</b>	<b>8.9080</b>	<b>0.3947</b>	<b>9.3027</b>	<b>2.3693</b>	<b>0.3910</b>	<b>2.7603</b>	<b>0.0000</b>	<b>9,843.0930</b>	<b>9,843.0930</b>	<b>0.6014</b>	<b>0.4410</b>	<b>9,989.5411</b>

**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	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938
Energy	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357
Mobile	2.7932	3.9889	22.7313	0.0591	6.9927	0.0444	7.0371	1.8599	0.0414	1.9012		6,333.9607	6,333.9607	0.4358	0.3479	6,448.5394
<b>Total</b>	<b>15.6248</b>	<b>5.8695</b>	<b>64.1310</b>	<b>0.0703</b>	<b>6.9927</b>	<b>0.3848</b>	<b>7.3775</b>	<b>1.8599</b>	<b>0.3818</b>	<b>2.2417</b>	<b>0.0000</b>	<b>8,208.2289</b>	<b>8,208.2289</b>	<b>0.5407</b>	<b>0.3809</b>	<b>8,335.2689</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	0.47	9.75	5.24	17.83	21.50	2.49	20.69	21.50	2.35	18.79	0.00	16.61	16.61	10.09	13.62	16.56

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing	Demolition	1/1/2024	2/9/2024	5	30	
2	Site Preparation	Site Preparation	2/10/2024	3/8/2024	5	20	
3	Grading	Grading	3/9/2024	5/10/2024	5	45	
4	Building Construction	Building Construction	5/11/2024	6/30/2026	5	557	
5	Architectural Coating	Architectural Coating	11/1/2024	8/19/2026	5	469	
6	Paving	Paving	7/1/2026	8/18/2026	5	35	

**Acres of Grading (Site Preparation Phase): 30****Acres of Grading (Grading Phase): 135****Acres of Paving: 0****Residential Indoor: 1,002,375; Residential Outdoor: 334,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing	Concrete/Industrial Saws	1	8.00	81	0.73
Grubbing	Excavators	3	8.00	158	0.38
Grubbing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

**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
Grubbing	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	356.00	53.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	71.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Reduce Vehicle Speed on Unpaved Roads

**3.2 Grubbing - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>2.2437</b>	<b>20.8781</b>	<b>19.7073</b>	<b>0.0388</b>		<b>0.9602</b>	<b>0.9602</b>		<b>0.8922</b>	<b>0.8922</b>		<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0357</b>	<b>0.0221</b>	<b>0.2691</b>	<b>7.6000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>78.3745</b>	<b>78.3745</b>	<b>2.5900e-003</b>	<b>2.3300e-003</b>	<b>79.1343</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Grubbing - 2024****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	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>0.4623</b>	<b>2.0032</b>	<b>23.2798</b>	<b>0.0388</b>		<b>0.0616</b>	<b>0.0616</b>		<b>0.0616</b>	<b>0.0616</b>	<b>0.0000</b>	<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0357</b>	<b>0.0221</b>	<b>0.2691</b>	<b>7.6000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>78.3745</b>	<b>78.3745</b>	<b>2.5900e-003</b>	<b>2.3300e-003</b>	<b>79.1343</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>19.6570</b>	<b>1.2294</b>	<b>20.8864</b>	<b>10.1025</b>	<b>1.1310</b>	<b>11.2335</b>		<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0428	0.0265	0.3230	9.1000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		94.0493	94.0493	3.1100e-003	2.8000e-003	94.9611
<b>Total</b>	<b>0.0428</b>	<b>0.0265</b>	<b>0.3230</b>	<b>9.1000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>94.0493</b>	<b>94.0493</b>	<b>3.1100e-003</b>	<b>2.8000e-003</b>	<b>94.9611</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0381</b>	<b>7.6662</b>	<b>0.0621</b>	<b>7.7283</b>	<b>3.9400</b>	<b>0.0621</b>	<b>4.0020</b>	<b>0.0000</b>	<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0428	0.0265	0.3230	9.1000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		94.0493	94.0493	3.1100e-003	2.8000e-003	94.9611
<b>Total</b>	<b>0.0428</b>	<b>0.0265</b>	<b>0.3230</b>	<b>9.1000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>94.0493</b>	<b>94.0493</b>	<b>3.1100e-003</b>	<b>2.8000e-003</b>	<b>94.9611</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.748 7	6,009.748 7	1.9437		6,058.340 5
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.3354</b>	<b>10.5390</b>	<b>3.6538</b>	<b>1.2286</b>	<b>4.8823</b>		<b>6,009.748 7</b>	<b>6,009.748 7</b>	<b>1.9437</b>		<b>6,058.340 5</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0475	0.0295	0.3588	1.0100e-003	0.1263	5.9000e-004	0.1269	0.0335	5.4000e-004	0.0341		104.4993	104.4993	3.4500e-003	3.1100e-003	105.5124
<b>Total</b>	<b>0.0475</b>	<b>0.0295</b>	<b>0.3588</b>	<b>1.0100e-003</b>	<b>0.1263</b>	<b>5.9000e-004</b>	<b>0.1269</b>	<b>0.0335</b>	<b>5.4000e-004</b>	<b>0.0341</b>		<b>104.4993</b>	<b>104.4993</b>	<b>3.4500e-003</b>	<b>3.1100e-003</b>	<b>105.5124</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,009.748 7	6,009.748 7	1.9437		6,058.340 5
<b>Total</b>	<b>0.7616</b>	<b>3.3000</b>	<b>32.9991</b>	<b>0.0621</b>	<b>3.5894</b>	<b>0.1015</b>	<b>3.6909</b>	<b>1.4250</b>	<b>0.1015</b>	<b>1.5265</b>	<b>0.0000</b>	<b>6,009.748 7</b>	<b>6,009.748 7</b>	<b>1.9437</b>		<b>6,058.340 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0475	0.0295	0.3588	1.0100e-003	0.1263	5.9000e-004	0.1269	0.0335	5.4000e-004	0.0341		104.4993	104.4993	3.4500e-003	3.1100e-003	105.5124
<b>Total</b>	<b>0.0475</b>	<b>0.0295</b>	<b>0.3588</b>	<b>1.0100e-003</b>	<b>0.1263</b>	<b>5.9000e-004</b>	<b>0.1269</b>	<b>0.0335</b>	<b>5.4000e-004</b>	<b>0.0341</b>		<b>104.4993</b>	<b>104.4993</b>	<b>3.4500e-003</b>	<b>3.1100e-003</b>	<b>105.5124</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0647	2.4338	0.8304	9.4800e-003	0.3142	0.0145	0.3287	0.0904	0.0139	0.1043		1,041.7929	1,041.7929	0.0456	0.1535	1,088.6834
Worker	0.8460	0.5245	6.3873	0.0180	2.2483	0.0105	2.2588	0.5965	9.6200e-003	0.6061		1,860.0869	1,860.0869	0.0615	0.0554	1,878.1201
<b>Total</b>	<b>0.9107</b>	<b>2.9583</b>	<b>7.2177</b>	<b>0.0275</b>	<b>2.5625</b>	<b>0.0250</b>	<b>2.5875</b>	<b>0.6869</b>	<b>0.0235</b>	<b>0.7104</b>		<b>2,901.8798</b>	<b>2,901.8798</b>	<b>0.1071</b>	<b>0.2089</b>	<b>2,966.8034</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0647	2.4338	0.8304	9.4800e-003	0.3142	0.0145	0.3287	0.0904	0.0139	0.1043		1,041.7929	1,041.7929	0.0456	0.1535	1,088.6834
Worker	0.8460	0.5245	6.3873	0.0180	2.2483	0.0105	2.2588	0.5965	9.6200e-003	0.6061		1,860.0869	1,860.0869	0.0615	0.0554	1,878.1201
<b>Total</b>	<b>0.9107</b>	<b>2.9583</b>	<b>7.2177</b>	<b>0.0275</b>	<b>2.5625</b>	<b>0.0250</b>	<b>2.5875</b>	<b>0.6869</b>	<b>0.0235</b>	<b>0.7104</b>		<b>2,901.8798</b>	<b>2,901.8798</b>	<b>0.1071</b>	<b>0.2089</b>	<b>2,966.8034</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0619	2.3818	0.8109	9.2900e-003	0.3142	0.0142	0.3284	0.0904	0.0135	0.1040		1,023.111 9	1,023.111 9	0.0472	0.1510	1,069.293 7
Worker	0.7949	0.4707	5.9611	0.0174	2.2483	9.9700e-003	2.2583	0.5965	9.1800e-003	0.6056		1,817.501 5	1,817.501 5	0.0559	0.0517	1,834.297 3
<b>Total</b>	<b>0.8569</b>	<b>2.8525</b>	<b>6.7720</b>	<b>0.0267</b>	<b>2.5625</b>	<b>0.0241</b>	<b>2.5866</b>	<b>0.6869</b>	<b>0.0227</b>	<b>0.7096</b>		<b>2,840.613 4</b>	<b>2,840.613 4</b>	<b>0.1031</b>	<b>0.2027</b>	<b>2,903.591 0</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0619	2.3818	0.8109	9.2900e-003	0.3142	0.0142	0.3284	0.0904	0.0135	0.1040		1,023.111 9	1,023.111 9	0.0472	0.1510	1,069.293 7
Worker	0.7949	0.4707	5.9611	0.0174	2.2483	9.9700e-003	2.2583	0.5965	9.1800e-003	0.6056		1,817.501 5	1,817.501 5	0.0559	0.0517	1,834.297 3
<b>Total</b>	<b>0.8569</b>	<b>2.8525</b>	<b>6.7720</b>	<b>0.0267</b>	<b>2.5625</b>	<b>0.0241</b>	<b>2.5866</b>	<b>0.6869</b>	<b>0.0227</b>	<b>0.7096</b>		<b>2,840.613 4</b>	<b>2,840.613 4</b>	<b>0.1031</b>	<b>0.2027</b>	<b>2,903.591 0</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0595	2.3305	0.7949	9.1100e-003	0.3142	0.0138	0.3280	0.0904	0.0132	0.1036		1,004.408 3	1,004.408 3	0.0487	0.1485	1,049.870 6
Worker	0.7489	0.4252	5.5067	0.0169	2.2483	9.2900e-003	2.2576	0.5965	8.5500e-003	0.6050		1,773.217 3	1,773.217 3	0.0507	0.0485	1,788.933 6
<b>Total</b>	<b>0.8084</b>	<b>2.7557</b>	<b>6.3016</b>	<b>0.0260</b>	<b>2.5625</b>	<b>0.0231</b>	<b>2.5856</b>	<b>0.6869</b>	<b>0.0217</b>	<b>0.7086</b>		<b>2,777.625 6</b>	<b>2,777.625 6</b>	<b>0.0994</b>	<b>0.1970</b>	<b>2,838.804 2</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0595	2.3305	0.7949	9.1100e-003	0.3142	0.0138	0.3280	0.0904	0.0132	0.1036		1,004.408 3	1,004.408 3	0.0487	0.1485	1,049.870 6
Worker	0.7489	0.4252	5.5067	0.0169	2.2483	9.2900e-003	2.2576	0.5965	8.5500e-003	0.6050		1,773.217 3	1,773.217 3	0.0507	0.0485	1,788.933 6
<b>Total</b>	<b>0.8084</b>	<b>2.7557</b>	<b>6.3016</b>	<b>0.0260</b>	<b>2.5625</b>	<b>0.0231</b>	<b>2.5856</b>	<b>0.6869</b>	<b>0.0217</b>	<b>0.7086</b>		<b>2,777.625 6</b>	<b>2,777.625 6</b>	<b>0.0994</b>	<b>0.1970</b>	<b>2,838.804 2</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>6.7849</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1687	0.1046	1.2739	3.6000e-003	0.4484	2.0800e-003	0.4505	0.1190	1.9200e-003	0.1209		370.9724	370.9724	0.0123	0.0110	374.5689
<b>Total</b>	<b>0.1687</b>	<b>0.1046</b>	<b>1.2739</b>	<b>3.6000e-003</b>	<b>0.4484</b>	<b>2.0800e-003</b>	<b>0.4505</b>	<b>0.1190</b>	<b>1.9200e-003</b>	<b>0.1209</b>		<b>370.9724</b>	<b>370.9724</b>	<b>0.0123</b>	<b>0.0110</b>	<b>374.5689</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****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	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>6.6338</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1687	0.1046	1.2739	3.6000e-003	0.4484	2.0800e-003	0.4505	0.1190	1.9200e-003	0.1209		370.9724	370.9724	0.0123	0.0110	374.5689
<b>Total</b>	<b>0.1687</b>	<b>0.1046</b>	<b>1.2739</b>	<b>3.6000e-003</b>	<b>0.4484</b>	<b>2.0800e-003</b>	<b>0.4505</b>	<b>0.1190</b>	<b>1.9200e-003</b>	<b>0.1209</b>		<b>370.9724</b>	<b>370.9724</b>	<b>0.0123</b>	<b>0.0110</b>	<b>374.5689</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.7750</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1585	0.0939	1.1889	3.4800e-003	0.4484	1.9900e-003	0.4504	0.1190	1.8300e-003	0.1208		362.4792	362.4792	0.0112	0.0103	365.8290
<b>Total</b>	<b>0.1585</b>	<b>0.0939</b>	<b>1.1889</b>	<b>3.4800e-003</b>	<b>0.4484</b>	<b>1.9900e-003</b>	<b>0.4504</b>	<b>0.1190</b>	<b>1.8300e-003</b>	<b>0.1208</b>		<b>362.4792</b>	<b>362.4792</b>	<b>0.0112</b>	<b>0.0103</b>	<b>365.8290</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****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	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.6338</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1585	0.0939	1.1889	3.4800e-003	0.4484	1.9900e-003	0.4504	0.1190	1.8300e-003	0.1208		362.4792	362.4792	0.0112	0.0103	365.8290
<b>Total</b>	<b>0.1585</b>	<b>0.0939</b>	<b>1.1889</b>	<b>3.4800e-003</b>	<b>0.4484</b>	<b>1.9900e-003</b>	<b>0.4504</b>	<b>0.1190</b>	<b>1.8300e-003</b>	<b>0.1208</b>		<b>362.4792</b>	<b>362.4792</b>	<b>0.0112</b>	<b>0.0103</b>	<b>365.8290</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.7750</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1494	0.0848	1.0983	3.3700e-003	0.4484	1.8500e-003	0.4503	0.1190	1.7100e-003	0.1207		353.6473	353.6473	0.0101	9.6700e-003	356.7817
<b>Total</b>	<b>0.1494</b>	<b>0.0848</b>	<b>1.0983</b>	<b>3.3700e-003</b>	<b>0.4484</b>	<b>1.8500e-003</b>	<b>0.4503</b>	<b>0.1190</b>	<b>1.7100e-003</b>	<b>0.1207</b>		<b>353.6473</b>	<b>353.6473</b>	<b>0.0101</b>	<b>9.6700e-003</b>	<b>356.7817</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****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	6.6041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>6.6338</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1494	0.0848	1.0983	3.3700e-003	0.4484	1.8500e-003	0.4503	0.1190	1.7100e-003	0.1207		353.6473	353.6473	0.0101	9.6700e-003	356.7817
<b>Total</b>	<b>0.1494</b>	<b>0.0848</b>	<b>1.0983</b>	<b>3.3700e-003</b>	<b>0.4484</b>	<b>1.8500e-003</b>	<b>0.4503</b>	<b>0.1190</b>	<b>1.7100e-003</b>	<b>0.1207</b>		<b>353.6473</b>	<b>353.6473</b>	<b>0.0101</b>	<b>9.6700e-003</b>	<b>356.7817</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0316	0.0179	0.2320	7.1000e-004	0.0947	3.9000e-004	0.0951	0.0251	3.6000e-004	0.0255		74.7142	74.7142	2.1400e-003	2.0400e-003	75.3764
<b>Total</b>	<b>0.0316</b>	<b>0.0179</b>	<b>0.2320</b>	<b>7.1000e-004</b>	<b>0.0947</b>	<b>3.9000e-004</b>	<b>0.0951</b>	<b>0.0251</b>	<b>3.6000e-004</b>	<b>0.0255</b>		<b>74.7142</b>	<b>74.7142</b>	<b>2.1400e-003</b>	<b>2.0400e-003</b>	<b>75.3764</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2805</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0316	0.0179	0.2320	7.1000e-004	0.0947	3.9000e-004	0.0951	0.0251	3.6000e-004	0.0255		74.7142	74.7142	2.1400e-003	2.0400e-003	75.3764
<b>Total</b>	<b>0.0316</b>	<b>0.0179</b>	<b>0.2320</b>	<b>7.1000e-004</b>	<b>0.0947</b>	<b>3.9000e-004</b>	<b>0.0951</b>	<b>0.0251</b>	<b>3.6000e-004</b>	<b>0.0255</b>		<b>74.7142</b>	<b>74.7142</b>	<b>2.1400e-003</b>	<b>2.0400e-003</b>	<b>75.3764</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive 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	2.7932	3.9889	22.7313	0.0591	6.9927	0.0444	7.0371	1.8599	0.0414	1.9012		6,333.960 7	6,333.960 7	0.4358	0.3479	6,448.539 4
Unmitigated	2.8664	4.6227	26.2752	0.0743	8.9080	0.0542	8.9622	2.3693	0.0506	2.4199		7,968.824 7	7,968.824 7	0.4965	0.4080	8,102.811 5

**4.2 Trip Summary Information**

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,848.00	1,848.00	1848.00	3,423,285	2,687,244
Condo/Townhouse	438.90	438.90	438.90	813,030	638,220
Total	2,286.90	2,286.90	2,286.90	4,236,315	3,325,464

**4.3 Trip Type Information**

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3
Condo/Townhouse	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.518500	0.217000	0.168400	0.057500	0.000800	0.001000	0.007400	0.019500	0.000000	0.004400	0.002500	0.000500	0.002500
Condo/Townhouse	0.518500	0.217000	0.168400	0.057500	0.000800	0.001000	0.007400	0.019500	0.000000	0.004400	0.002500	0.000500	0.002500

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357
NaturalGas Unmitigated	0.1651	1.4106	0.6002	9.0000e-003		0.1141	0.1141		0.1141	0.1141		1,800.7349	1,800.7349	0.0345	0.0330	1,811.4357

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
Apartments Low Rise	10814	0.1166	0.9966	0.4241	6.3600e-003		0.0806	0.0806		0.0806	0.0806		1,272.2372	1,272.2372	0.0244	0.0233	1,279.7975
Condo/Townhouse	4492.23	0.0485	0.4140	0.1762	2.6400e-003		0.0335	0.0335		0.0335	0.0335		528.4976	528.4976	0.0101	9.6900e-003	531.6382
<b>Total</b>		<b>0.1651</b>	<b>1.4106</b>	<b>0.6003</b>	<b>9.0000e-003</b>		<b>0.1141</b>	<b>0.1141</b>		<b>0.1141</b>	<b>0.1141</b>		<b>1,800.7349</b>	<b>1,800.7349</b>	<b>0.0345</b>	<b>0.0330</b>	<b>1,811.4357</b>

**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					
Apartments Low Rise	10.814	0.1166	0.9966	0.4241	6.3600e-003		0.0806	0.0806		0.0806	0.0806		1,272.2372	1,272.2372	0.0244	0.0233	1,279.7975
Condo/Townhouse	4.49223	0.0485	0.4140	0.1762	2.6400e-003		0.0335	0.0335		0.0335	0.0335		528.4976	528.4976	0.0101	9.6900e-003	531.6382
<b>Total</b>		<b>0.1651</b>	<b>1.4106</b>	<b>0.6003</b>	<b>9.0000e-003</b>		<b>0.1141</b>	<b>0.1141</b>		<b>0.1141</b>	<b>0.1141</b>		<b>1,800.7349</b>	<b>1,800.7349</b>	<b>0.0345</b>	<b>0.0330</b>	<b>1,811.4357</b>

**6.0 Area Detail**



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938
Unmitigated	12.6666	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264	0.0000	73.5334	73.5334	0.0704	0.0000	75.2938

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.8486					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2250	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264		73.5334	73.5334	0.0704		75.2938
<b>Total</b>	<b>12.6666</b>	<b>0.4700</b>	<b>40.7994</b>	<b>2.1600e-003</b>		<b>0.2264</b>	<b>0.2264</b>		<b>0.2264</b>	<b>0.2264</b>	<b>0.0000</b>	<b>73.5334</b>	<b>73.5334</b>	<b>0.0704</b>	<b>0.0000</b>	<b>75.2938</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.8486					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2250	0.4700	40.7994	2.1600e-003		0.2264	0.2264		0.2264	0.2264		73.5334	73.5334	0.0704		75.2938
<b>Total</b>	<b>12.6666</b>	<b>0.4700</b>	<b>40.7994</b>	<b>2.1600e-003</b>		<b>0.2264</b>	<b>0.2264</b>		<b>0.2264</b>	<b>0.2264</b>	<b>0.0000</b>	<b>73.5334</b>	<b>73.5334</b>	<b>0.0704</b>	<b>0.0000</b>	<b>75.2938</b>

**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

Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

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**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**

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## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Richards Ranch Annexation Project Residential  
Santa Barbara-North of Santa Ynez County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	400.00	Dwelling Unit	18.20	400,000.00	1088
Condo/Townhouse	95.00	Dwelling Unit	9.20	95,000.00	258

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2027
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	152.51	<b>CH4 Intensity (lb/MWhr)</b>	0.025	<b>N2O Intensity (lb/MWhr)</b>	0.003

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

Project Characteristics - Intensity factor based on Renewable Portfolio Standard for PG&E in 2027.

Land Use - Lot Acreage is based on Site Plan

Construction Phase - Building Construction is based on construction schedule and Arch Coating is spread out during construction to reflect typical construction phasing practices. Rest of phasing is left as default.

Trips and VMT -

Demolition - No existing building are on site, left phase to account for potential vegetation removal

Grading - No info is available as of (3/28)

Architectural Coating - Use Low VOC paints (50 g/L)

Vehicle Trips - Trip rates are based on Traffic Study with 30% reduction to account for internal trips.

Area Coating - Low VOC Paints

Construction Off-road Equipment Mitigation - Tier 4 and water exposed area

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mobile Land Use Mitigation - Project will improve pedestrian network and will be located 0.14 miles from a bus stop.

Area Mitigation - Use Low VOC Paints

Water Mitigation -

Waste Mitigation -

Fleet Mix - SJVAPCD Fleet Mix for residential used.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	440.00	557.00
tblConstructionPhase	NumDays	35.00	469.00
tblFleetMix	HHD	6.2590e-003	0.02
tblFleetMix	HHD	6.2590e-003	0.02
tblFleetMix	LDA	0.51	0.52
tblFleetMix	LDA	0.51	0.52
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.21	0.17
tblFleetMix	LDT2	0.21	0.17
tblFleetMix	LHD1	0.03	8.0000e-004
tblFleetMix	LHD1	0.03	8.0000e-004
tblFleetMix	LHD2	6.4690e-003	1.0000e-003

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblFleetMix	LHD2	6.4690e-003	1.0000e-003
tblFleetMix	MCY	0.03	2.5000e-003
tblFleetMix	MCY	0.03	2.5000e-003
tblFleetMix	MDV	0.14	0.06
tblFleetMix	MDV	0.14	0.06
tblFleetMix	MH	3.4740e-003	2.5000e-003
tblFleetMix	MH	3.4740e-003	2.5000e-003
tblFleetMix	MHD	0.01	7.4000e-003
tblFleetMix	MHD	0.01	7.4000e-003
tblFleetMix	OBUS	9.5300e-004	0.00
tblFleetMix	OBUS	9.5300e-004	0.00
tblFleetMix	SBUS	3.3620e-003	5.0000e-004
tblFleetMix	SBUS	3.3620e-003	5.0000e-004
tblFleetMix	UBUS	5.6000e-004	4.4000e-003
tblFleetMix	UBUS	5.6000e-004	4.4000e-003
tblLandUse	LotAcreage	25.00	18.20
tblLandUse	LotAcreage	5.94	9.20
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	WD_TR	7.32	4.62
tblVehicleTrips	WD_TR	7.32	4.62

**2.0 Emissions Summary**



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	0.4842	2.7252	3.1470	7.0600e-003	0.6277	0.1114	0.7391	0.2434	0.1039	0.3472	0.0000	634.4136	634.4136	0.1197	0.0165	642.3247
2025	1.1969	2.1805	3.3917	7.8000e-003	0.3844	0.0790	0.4634	0.1031	0.0747	0.1778	0.0000	710.2800	710.2800	0.0870	0.0258	720.1370
2026	0.7291	1.2432	1.9524	4.3200e-003	0.1995	0.0473	0.2468	0.0535	0.0446	0.0980	0.0000	393.3755	393.3755	0.0545	0.0126	398.4794
<b>Maximum</b>	<b>1.1969</b>	<b>2.7252</b>	<b>3.3917</b>	<b>7.8000e-003</b>	<b>0.6277</b>	<b>0.1114</b>	<b>0.7391</b>	<b>0.2434</b>	<b>0.1039</b>	<b>0.3472</b>	<b>0.0000</b>	<b>710.2800</b>	<b>710.2800</b>	<b>0.1197</b>	<b>0.0258</b>	<b>720.1370</b>

**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					
2024	0.2815	0.5769	3.4531	7.0600e-003	0.3815	9.4800e-003	0.3910	0.1316	9.3500e-003	0.1409	0.0000	634.4131	634.4131	0.1197	0.0165	642.3242
2025	1.0428	0.7121	3.5742	7.8000e-003	0.3844	9.2500e-003	0.3937	0.1031	9.0500e-003	0.1121	0.0000	710.2796	710.2796	0.0870	0.0258	720.1366
2026	0.6393	0.3702	2.0906	4.3200e-003	0.1995	5.2600e-003	0.2048	0.0535	5.1600e-003	0.0586	0.0000	393.3753	393.3753	0.0545	0.0126	398.4791
<b>Maximum</b>	<b>1.0428</b>	<b>0.7121</b>	<b>3.5742</b>	<b>7.8000e-003</b>	<b>0.3844</b>	<b>9.4800e-003</b>	<b>0.3937</b>	<b>0.1316</b>	<b>9.3500e-003</b>	<b>0.1409</b>	<b>0.0000</b>	<b>710.2796</b>	<b>710.2796</b>	<b>0.1197</b>	<b>0.0258</b>	<b>720.1366</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	18.53	73.02	-7.38	0.00	20.32	89.91	31.73	27.95	89.44	49.97	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.9235	0.0958
2	4-1-2024	6-30-2024	0.8517	0.1763
3	7-1-2024	9-30-2024	0.6172	0.2113
4	10-1-2024	12-31-2024	0.8056	0.3727
5	1-1-2025	3-31-2025	0.8345	0.4349
6	4-1-2025	6-30-2025	0.8359	0.4318
7	7-1-2025	9-30-2025	0.8451	0.4366
8	10-1-2025	12-31-2025	0.8530	0.4445
9	1-1-2026	3-31-2026	0.8289	0.4293
10	4-1-2026	6-30-2026	0.8306	0.4265
11	7-1-2026	9-30-2026	0.3127	0.1520
		Highest	0.9235	0.4445

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	2.1983	0.0423	3.6720	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7500e-003	0.0000	6.1475
Energy	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	442.3673	442.3673	0.0294	8.3000e-003	445.5755
Mobile	0.5004	0.8933	4.9905	0.0133	1.5858	9.8700e-003	1.5956	0.4225	9.2000e-003	0.4317	0.0000	1,293.9933	1,293.9933	0.0855	0.0698	1,316.9432
Waste						0.0000	0.0000		0.0000	0.0000	47.2850	0.0000	47.2850	2.3447	0.0000	105.9027
Water						0.0000	0.0000		0.0000	0.0000	11.4105	16.9951	28.4057	0.0421	0.0252	36.9514
<b>Total</b>	<b>2.7289</b>	<b>1.1930</b>	<b>8.7719</b>	<b>0.0151</b>	<b>1.5858</b>	<b>0.0511</b>	<b>1.6368</b>	<b>0.4225</b>	<b>0.0504</b>	<b>0.4729</b>	<b>58.6955</b>	<b>1,759.3594</b>	<b>1,818.0549</b>	<b>2.5074</b>	<b>0.1033</b>	<b>1,911.5203</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	2.1983	0.0423	3.6720	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7500e-003	0.0000	6.1475
Energy	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	442.3673	442.3673	0.0294	8.3000e-003	445.5755
Mobile	0.4871	0.7706	4.3654	0.0106	1.2448	8.0800e-003	1.2529	0.3317	7.5300e-003	0.3392	0.0000	1,028.8651	1,028.8651	0.0756	0.0596	1,048.5215
Waste						0.0000	0.0000		0.0000	0.0000	23.6425	0.0000	23.6425	1.1724	0.0000	52.9513
Water						0.0000	0.0000		0.0000	0.0000	9.1284	14.2804	23.4088	0.0338	0.0201	30.2522
<b>Total</b>	<b>2.7156</b>	<b>1.0703</b>	<b>8.1469</b>	<b>0.0124</b>	<b>1.2448</b>	<b>0.0493</b>	<b>1.2941</b>	<b>0.3317</b>	<b>0.0487</b>	<b>0.3804</b>	<b>32.7709</b>	<b>1,491.5165</b>	<b>1,524.2874</b>	<b>1.3168</b>	<b>0.0881</b>	<b>1,583.4480</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.49</b>	<b>10.29</b>	<b>7.13</b>	<b>17.98</b>	<b>21.50</b>	<b>3.51</b>	<b>20.94</b>	<b>21.50</b>	<b>3.31</b>	<b>19.56</b>	<b>44.17</b>	<b>15.22</b>	<b>16.16</b>	<b>47.48</b>	<b>14.75</b>	<b>17.16</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing	Demolition	1/1/2024	2/9/2024	5	30	
2	Site Preparation	Site Preparation	2/10/2024	3/8/2024	5	20	
3	Grading	Grading	3/9/2024	5/10/2024	5	45	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

4	Building Construction	Building Construction	5/11/2024	6/30/2026	5	557
5	Architectural Coating	Architectural Coating	11/1/2024	8/19/2026	5	469
6	Paving	Paving	7/1/2026	8/18/2026	5	35

**Acres of Grading (Site Preparation Phase): 30****Acres of Grading (Grading Phase): 135****Acres of Paving: 0****Residential Indoor: 1,002,375; Residential Outdoor: 334,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing	Concrete/Industrial Saws	1	8.00	81	0.73
Grubbing	Excavators	3	8.00	158	0.38
Grubbing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

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Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

**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
Grubbing	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	356.00	53.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	71.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Grubbing - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0337	0.3132	0.2956	5.8000e-004		0.0144	0.0144		0.0134	0.0134	0.0000	50.9941	50.9941	0.0143	0.0000	51.3508
<b>Total</b>	<b>0.0337</b>	<b>0.3132</b>	<b>0.2956</b>	<b>5.8000e-004</b>		<b>0.0144</b>	<b>0.0144</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>50.9941</b>	<b>50.9941</b>	<b>0.0143</b>	<b>0.0000</b>	<b>51.3508</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.7000e-004	4.1000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0459	1.0459	4.0000e-005	3.0000e-005	1.0570
<b>Total</b>	<b>5.4000e-004</b>	<b>3.7000e-004</b>	<b>4.1000e-003</b>	<b>1.0000e-005</b>	<b>1.3900e-003</b>	<b>1.0000e-005</b>	<b>1.4000e-003</b>	<b>3.7000e-004</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.0459</b>	<b>1.0459</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0570</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Grubbing - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9300e-003	0.0301	0.3492	5.8000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	50.9940	50.9940	0.0143	0.0000	51.3507
<b>Total</b>	<b>6.9300e-003</b>	<b>0.0301</b>	<b>0.3492</b>	<b>5.8000e-004</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>50.9940</b>	<b>50.9940</b>	<b>0.0143</b>	<b>0.0000</b>	<b>51.3507</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.7000e-004	4.1000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0459	1.0459	4.0000e-005	3.0000e-005	1.0570
<b>Total</b>	<b>5.4000e-004</b>	<b>3.7000e-004</b>	<b>4.1000e-003</b>	<b>1.0000e-005</b>	<b>1.3900e-003</b>	<b>1.0000e-005</b>	<b>1.4000e-003</b>	<b>3.7000e-004</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.0459</b>	<b>1.0459</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0570</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2718	0.1834	3.8000e-004		0.0123	0.0123		0.0113	0.0113	0.0000	33.4571	33.4571	0.0108	0.0000	33.7276
<b>Total</b>	<b>0.0266</b>	<b>0.2718</b>	<b>0.1834</b>	<b>3.8000e-004</b>	<b>0.1966</b>	<b>0.0123</b>	<b>0.2089</b>	<b>0.1010</b>	<b>0.0113</b>	<b>0.1123</b>	<b>0.0000</b>	<b>33.4571</b>	<b>33.4571</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7276</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.2800e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.8367	0.8367	3.0000e-005	3.0000e-005	0.8456
<b>Total</b>	<b>4.3000e-004</b>	<b>3.0000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8367</b>	<b>0.8367</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.8456</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****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					0.0767	0.0000	0.0767	0.0394	0.0000	0.0394	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0202	0.2087	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.4570	33.4570	0.0108	0.0000	33.7275
<b>Total</b>	<b>4.6600e-003</b>	<b>0.0202</b>	<b>0.2087</b>	<b>3.8000e-004</b>	<b>0.0767</b>	<b>6.2000e-004</b>	<b>0.0773</b>	<b>0.0394</b>	<b>6.2000e-004</b>	<b>0.0400</b>	<b>0.0000</b>	<b>33.4570</b>	<b>33.4570</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7275</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.2800e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.8367	0.8367	3.0000e-005	3.0000e-005	0.8456
<b>Total</b>	<b>4.3000e-004</b>	<b>3.0000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8367</b>	<b>0.8367</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.8456</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2071	0.0000	0.2071	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0724	0.7285	0.6238	1.4000e-003		0.0301	0.0301		0.0276	0.0276	0.0000	122.6689	122.6689	0.0397	0.0000	123.6608
<b>Total</b>	<b>0.0724</b>	<b>0.7285</b>	<b>0.6238</b>	<b>1.4000e-003</b>	<b>0.2071</b>	<b>0.0301</b>	<b>0.2371</b>	<b>0.0822</b>	<b>0.0276</b>	<b>0.1099</b>	<b>0.0000</b>	<b>122.6689</b>	<b>122.6689</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6608</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.4000e-004	8.2000e-003	2.0000e-005	2.7800e-003	1.0000e-005	2.7900e-003	7.4000e-004	1.0000e-005	7.5000e-004	0.0000	2.0918	2.0918	8.0000e-005	7.0000e-005	2.1140
<b>Total</b>	<b>1.0900e-003</b>	<b>7.4000e-004</b>	<b>8.2000e-003</b>	<b>2.0000e-005</b>	<b>2.7800e-003</b>	<b>1.0000e-005</b>	<b>2.7900e-003</b>	<b>7.4000e-004</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.0918</b>	<b>2.0918</b>	<b>8.0000e-005</b>	<b>7.0000e-005</b>	<b>2.1140</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****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					0.0808	0.0000	0.0808	0.0321	0.0000	0.0321	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.0743	0.7425	1.4000e-003		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003	0.0000	122.6688	122.6688	0.0397	0.0000	123.6606
<b>Total</b>	<b>0.0171</b>	<b>0.0743</b>	<b>0.7425</b>	<b>1.4000e-003</b>	<b>0.0808</b>	<b>2.2800e-003</b>	<b>0.0830</b>	<b>0.0321</b>	<b>2.2800e-003</b>	<b>0.0343</b>	<b>0.0000</b>	<b>122.6688</b>	<b>122.6688</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6606</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.4000e-004	8.2000e-003	2.0000e-005	2.7800e-003	1.0000e-005	2.7900e-003	7.4000e-004	1.0000e-005	7.5000e-004	0.0000	2.0918	2.0918	8.0000e-005	7.0000e-005	2.1140
<b>Total</b>	<b>1.0900e-003</b>	<b>7.4000e-004</b>	<b>8.2000e-003</b>	<b>2.0000e-005</b>	<b>2.7800e-003</b>	<b>1.0000e-005</b>	<b>2.7900e-003</b>	<b>7.4000e-004</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.0918</b>	<b>2.0918</b>	<b>8.0000e-005</b>	<b>7.0000e-005</b>	<b>2.1140</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1229	1.1226	1.3499	2.2500e-003		0.0512	0.0512		0.0482	0.0482	0.0000	193.5940	193.5940	0.0458	0.0000	194.7385
<b>Total</b>	<b>0.1229</b>	<b>1.1226</b>	<b>1.3499</b>	<b>2.2500e-003</b>		<b>0.0512</b>	<b>0.0512</b>		<b>0.0482</b>	<b>0.0482</b>	<b>0.0000</b>	<b>193.5940</b>	<b>193.5940</b>	<b>0.0458</b>	<b>0.0000</b>	<b>194.7385</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3500e-003	0.2104	0.0703	7.9000e-004	0.0258	1.2100e-003	0.0270	7.4300e-003	1.1600e-003	8.5900e-003	0.0000	78.9577	78.9577	3.4500e-003	0.0117	82.5143
Worker	0.0717	0.0488	0.5417	1.4800e-003	0.1836	8.7000e-004	0.1845	0.0488	8.0000e-004	0.0496	0.0000	138.1819	138.1819	4.9600e-003	4.5000e-003	139.6477
<b>Total</b>	<b>0.0770</b>	<b>0.2591</b>	<b>0.6120</b>	<b>2.2700e-003</b>	<b>0.2094</b>	<b>2.0800e-003</b>	<b>0.2115</b>	<b>0.0562</b>	<b>1.9600e-003</b>	<b>0.0582</b>	<b>0.0000</b>	<b>217.1396</b>	<b>217.1396</b>	<b>8.4100e-003</b>	<b>0.0162</b>	<b>222.1620</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****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	0.0274	0.1866	1.4579	2.2500e-003		3.4100e-003	3.4100e-003		3.4100e-003	3.4100e-003	0.0000	193.5938	193.5938	0.0458	0.0000	194.7383
<b>Total</b>	<b>0.0274</b>	<b>0.1866</b>	<b>1.4579</b>	<b>2.2500e-003</b>		<b>3.4100e-003</b>	<b>3.4100e-003</b>		<b>3.4100e-003</b>	<b>3.4100e-003</b>	<b>0.0000</b>	<b>193.5938</b>	<b>193.5938</b>	<b>0.0458</b>	<b>0.0000</b>	<b>194.7383</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3500e-003	0.2104	0.0703	7.9000e-004	0.0258	1.2100e-003	0.0270	7.4300e-003	1.1600e-003	8.5900e-003	0.0000	78.9577	78.9577	3.4500e-003	0.0117	82.5143
Worker	0.0717	0.0488	0.5417	1.4800e-003	0.1836	8.7000e-004	0.1845	0.0488	8.0000e-004	0.0496	0.0000	138.1819	138.1819	4.9600e-003	4.5000e-003	139.6477
<b>Total</b>	<b>0.0770</b>	<b>0.2591</b>	<b>0.6120</b>	<b>2.2700e-003</b>	<b>0.2094</b>	<b>2.0800e-003</b>	<b>0.2115</b>	<b>0.0562</b>	<b>1.9600e-003</b>	<b>0.0582</b>	<b>0.0000</b>	<b>217.1396</b>	<b>217.1396</b>	<b>8.4100e-003</b>	<b>0.0162</b>	<b>222.1620</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6549</b>	<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-003	0.3217	0.1073	1.2100e-003	0.0403	1.8500e-003	0.0421	0.0116	1.7700e-003	0.0134	0.0000	121.1909	121.1909	5.5800e-003	0.0179	126.6650
Worker	0.1053	0.0684	0.7914	2.2300e-003	0.2869	1.3000e-003	0.2883	0.0763	1.2000e-003	0.0775	0.0000	211.0274	211.0274	7.0600e-003	6.5700e-003	213.1607
<b>Total</b>	<b>0.1133</b>	<b>0.3901</b>	<b>0.8987</b>	<b>3.4400e-003</b>	<b>0.3272</b>	<b>3.1500e-003</b>	<b>0.3304</b>	<b>0.0879</b>	<b>2.9700e-003</b>	<b>0.0908</b>	<b>0.0000</b>	<b>332.2183</b>	<b>332.2183</b>	<b>0.0126</b>	<b>0.0245</b>	<b>339.8257</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.0428</b>	<b>0.2916</b>	<b>2.2786</b>	<b>3.5200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>	<b>0.0000</b>	<b>302.6545</b>	<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-003	0.3217	0.1073	1.2100e-003	0.0403	1.8500e-003	0.0421	0.0116	1.7700e-003	0.0134	0.0000	121.1909	121.1909	5.5800e-003	0.0179	126.6650
Worker	0.1053	0.0684	0.7914	2.2300e-003	0.2869	1.3000e-003	0.2883	0.0763	1.2000e-003	0.0775	0.0000	211.0274	211.0274	7.0600e-003	6.5700e-003	213.1607
<b>Total</b>	<b>0.1133</b>	<b>0.3901</b>	<b>0.8987</b>	<b>3.4400e-003</b>	<b>0.3272</b>	<b>3.1500e-003</b>	<b>0.3304</b>	<b>0.0879</b>	<b>2.9700e-003</b>	<b>0.0908</b>	<b>0.0000</b>	<b>332.2183</b>	<b>332.2183</b>	<b>0.0126</b>	<b>0.0245</b>	<b>339.8257</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0882	0.8043	1.0375	1.7400e-003		0.0340	0.0340		0.0320	0.0320	0.0000	149.5881	149.5881	0.0352	0.0000	150.4671
<b>Total</b>	<b>0.0882</b>	<b>0.8043</b>	<b>1.0375</b>	<b>1.7400e-003</b>		<b>0.0340</b>	<b>0.0340</b>		<b>0.0320</b>	<b>0.0320</b>	<b>0.0000</b>	<b>149.5881</b>	<b>149.5881</b>	<b>0.0352</b>	<b>0.0000</b>	<b>150.4671</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-003	0.1556	0.0520	5.9000e-004	0.0199	8.9000e-004	0.0208	5.7400e-003	8.5000e-004	6.5900e-003	0.0000	58.8051	58.8051	2.8500e-003	8.7000e-003	61.4684
Worker	0.0491	0.0305	0.3621	1.0700e-003	0.1418	6.0000e-004	0.1424	0.0377	5.5000e-004	0.0382	0.0000	101.7620	101.7620	3.1700e-003	3.0400e-003	102.7485
<b>Total</b>	<b>0.0529</b>	<b>0.1861</b>	<b>0.4141</b>	<b>1.6600e-003</b>	<b>0.1617</b>	<b>1.4900e-003</b>	<b>0.1632</b>	<b>0.0434</b>	<b>1.4000e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>160.5671</b>	<b>160.5671</b>	<b>6.0200e-003</b>	<b>0.0117</b>	<b>164.2169</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****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	0.0211	0.1441	1.1262	1.7400e-003		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	149.5879	149.5879	0.0352	0.0000	150.4670
<b>Total</b>	<b>0.0211</b>	<b>0.1441</b>	<b>1.1262</b>	<b>1.7400e-003</b>		<b>2.6300e-003</b>	<b>2.6300e-003</b>		<b>2.6300e-003</b>	<b>2.6300e-003</b>	<b>0.0000</b>	<b>149.5879</b>	<b>149.5879</b>	<b>0.0352</b>	<b>0.0000</b>	<b>150.4670</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-003	0.1556	0.0520	5.9000e-004	0.0199	8.9000e-004	0.0208	5.7400e-003	8.5000e-004	6.5900e-003	0.0000	58.8051	58.8051	2.8500e-003	8.7000e-003	61.4684
Worker	0.0491	0.0305	0.3621	1.0700e-003	0.1418	6.0000e-004	0.1424	0.0377	5.5000e-004	0.0382	0.0000	101.7620	101.7620	3.1700e-003	3.0400e-003	102.7485
<b>Total</b>	<b>0.0529</b>	<b>0.1861</b>	<b>0.4141</b>	<b>1.6600e-003</b>	<b>0.1617</b>	<b>1.4900e-003</b>	<b>0.1632</b>	<b>0.0434</b>	<b>1.4000e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>160.5671</b>	<b>160.5671</b>	<b>6.0200e-003</b>	<b>0.0117</b>	<b>164.2169</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1420					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
<b>Total</b>	<b>0.1459</b>	<b>0.0262</b>	<b>0.0389</b>	<b>6.0000e-005</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>5.4895</b>	<b>5.4895</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.4972</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6800e-003	2.5000e-003	0.0278	8.0000e-005	9.4300e-003	4.0000e-005	9.4700e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.0960	7.0960	2.5000e-004	2.3000e-004	7.1712
<b>Total</b>	<b>3.6800e-003</b>	<b>2.5000e-003</b>	<b>0.0278</b>	<b>8.0000e-005</b>	<b>9.4300e-003</b>	<b>4.0000e-005</b>	<b>9.4700e-003</b>	<b>2.5100e-003</b>	<b>4.0000e-005</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>7.0960</b>	<b>7.0960</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>7.1712</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****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	0.1420					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	2.7700e-003	0.0394	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
<b>Total</b>	<b>0.1426</b>	<b>2.7700e-003</b>	<b>0.0394</b>	<b>6.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>5.4895</b>	<b>5.4895</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.4972</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6800e-003	2.5000e-003	0.0278	8.0000e-005	9.4300e-003	4.0000e-005	9.4700e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.0960	7.0960	2.5000e-004	2.3000e-004	7.1712
<b>Total</b>	<b>3.6800e-003</b>	<b>2.5000e-003</b>	<b>0.0278</b>	<b>8.0000e-005</b>	<b>9.4300e-003</b>	<b>4.0000e-005</b>	<b>9.4700e-003</b>	<b>2.5100e-003</b>	<b>4.0000e-005</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>7.0960</b>	<b>7.0960</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>7.1712</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.8841</b>	<b>0.1495</b>	<b>0.2361</b>	<b>3.9000e-004</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>	<b>0.0000</b>	<b>33.3200</b>	<b>33.3200</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0136	0.1578	4.5000e-004	0.0572	2.6000e-004	0.0575	0.0152	2.4000e-004	0.0155	0.0000	42.0869	42.0869	1.4100e-003	1.3100e-003	42.5124
<b>Total</b>	<b>0.0210</b>	<b>0.0136</b>	<b>0.1578</b>	<b>4.5000e-004</b>	<b>0.0572</b>	<b>2.6000e-004</b>	<b>0.0575</b>	<b>0.0152</b>	<b>2.4000e-004</b>	<b>0.0155</b>	<b>0.0000</b>	<b>42.0869</b>	<b>42.0869</b>	<b>1.4100e-003</b>	<b>1.3100e-003</b>	<b>42.5124</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****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	0.8618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.8657</b>	<b>0.0168</b>	<b>0.2391</b>	<b>3.9000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>33.3199</b>	<b>33.3199</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0136	0.1578	4.5000e-004	0.0572	2.6000e-004	0.0575	0.0152	2.4000e-004	0.0155	0.0000	42.0869	42.0869	1.4100e-003	1.3100e-003	42.5124
<b>Total</b>	<b>0.0210</b>	<b>0.0136</b>	<b>0.1578</b>	<b>4.5000e-004</b>	<b>0.0572</b>	<b>2.6000e-004</b>	<b>0.0575</b>	<b>0.0152</b>	<b>2.4000e-004</b>	<b>0.0155</b>	<b>0.0000</b>	<b>42.0869</b>	<b>42.0869</b>	<b>1.4100e-003</b>	<b>1.3100e-003</b>	<b>42.5124</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0945	0.1493	2.5000e-004		4.2500e-003	4.2500e-003		4.2500e-003	4.2500e-003	0.0000	21.0643	21.0643	1.1500e-003	0.0000	21.0931
<b>Total</b>	<b>0.5589</b>	<b>0.0945</b>	<b>0.1493</b>	<b>2.5000e-004</b>		<b>4.2500e-003</b>	<b>4.2500e-003</b>		<b>4.2500e-003</b>	<b>4.2500e-003</b>	<b>0.0000</b>	<b>21.0643</b>	<b>21.0643</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>21.0931</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0125	7.7800e-003	0.0924	2.7000e-004	0.0362	1.5000e-004	0.0363	9.6100e-003	1.4000e-004	9.7500e-003	0.0000	25.9590	25.9590	8.1000e-004	7.8000e-004	26.2107
<b>Total</b>	<b>0.0125</b>	<b>7.7800e-003</b>	<b>0.0924</b>	<b>2.7000e-004</b>	<b>0.0362</b>	<b>1.5000e-004</b>	<b>0.0363</b>	<b>9.6100e-003</b>	<b>1.4000e-004</b>	<b>9.7500e-003</b>	<b>0.0000</b>	<b>25.9590</b>	<b>25.9590</b>	<b>8.1000e-004</b>	<b>7.8000e-004</b>	<b>26.2107</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****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	0.5448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4500e-003	0.0106	0.1512	2.5000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	21.0643	21.0643	1.1500e-003	0.0000	21.0930
<b>Total</b>	<b>0.5473</b>	<b>0.0106</b>	<b>0.1512</b>	<b>2.5000e-004</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>21.0643</b>	<b>21.0643</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>21.0930</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0125	7.7800e-003	0.0924	2.7000e-004	0.0362	1.5000e-004	0.0363	9.6100e-003	1.4000e-004	9.7500e-003	0.0000	25.9590	25.9590	8.1000e-004	7.8000e-004	26.2107
<b>Total</b>	<b>0.0125</b>	<b>7.7800e-003</b>	<b>0.0924</b>	<b>2.7000e-004</b>	<b>0.0362</b>	<b>1.5000e-004</b>	<b>0.0363</b>	<b>9.6100e-003</b>	<b>1.4000e-004</b>	<b>9.7500e-003</b>	<b>0.0000</b>	<b>25.9590</b>	<b>25.9590</b>	<b>8.1000e-004</b>	<b>7.8000e-004</b>	<b>26.2107</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1502	0.2551	4.0000e-004		7.3200e-003	7.3200e-003		6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3170
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0160</b>	<b>0.1502</b>	<b>0.2551</b>	<b>4.0000e-004</b>		<b>7.3200e-003</b>	<b>7.3200e-003</b>		<b>6.7400e-003</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>35.0337</b>	<b>35.0337</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3170</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.1400e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.1633	1.1633	4.0000e-005	3.0000e-005	1.1746
<b>Total</b>	<b>5.6000e-004</b>	<b>3.5000e-004</b>	<b>4.1400e-003</b>	<b>1.0000e-005</b>	<b>1.6200e-003</b>	<b>1.0000e-005</b>	<b>1.6300e-003</b>	<b>4.3000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.1633</b>	<b>1.1633</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1746</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****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	4.9100e-003	0.0213	0.3027	4.0000e-004		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	35.0337	35.0337	0.0113	0.0000	35.3169
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.9100e-003</b>	<b>0.0213</b>	<b>0.3027</b>	<b>4.0000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>35.0337</b>	<b>35.0337</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3169</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.1400e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.1633	1.1633	4.0000e-005	3.0000e-005	1.1746
<b>Total</b>	<b>5.6000e-004</b>	<b>3.5000e-004</b>	<b>4.1400e-003</b>	<b>1.0000e-005</b>	<b>1.6200e-003</b>	<b>1.0000e-005</b>	<b>1.6300e-003</b>	<b>4.3000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.1633</b>	<b>1.1633</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1746</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive 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	0.4871	0.7706	4.3654	0.0106	1.2448	8.0800e-003	1.2529	0.3317	7.5300e-003	0.3392	0.0000	1,028.865 1	1,028.865 1	0.0756	0.0596	1,048.521 5
Unmitigated	0.5004	0.8933	4.9905	0.0133	1.5858	9.8700e-003	1.5956	0.4225	9.2000e-003	0.4317	0.0000	1,293.993 3	1,293.993 3	0.0855	0.0698	1,316.943 2

**4.2 Trip Summary Information**

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,848.00	1,848.00	1848.00	3,423,285	2,687,244
Condo/Townhouse	438.90	438.90	438.90	813,030	638,220
Total	2,286.90	2,286.90	2,286.90	4,236,315	3,325,464

**4.3 Trip Type Information**

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3
Condo/Townhouse	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.518500	0.217000	0.168400	0.057500	0.000800	0.001000	0.007400	0.019500	0.000000	0.004400	0.002500	0.000500	0.002500
Condo/Townhouse	0.518500	0.217000	0.168400	0.057500	0.000800	0.001000	0.007400	0.019500	0.000000	0.004400	0.002500	0.000500	0.002500

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	144.2354	144.2354	0.0236	2.8400e-003	145.6720
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	144.2354	144.2354	0.0236	2.8400e-003	145.6720
NaturalGas Mitigated	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	298.1319	298.1319	5.7100e-003	5.4700e-003	299.9035
NaturalGas Unmitigated	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	298.1319	298.1319	5.7100e-003	5.4700e-003	299.9035

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
Apartments Low Rise	3.94712e+006	0.0213	0.1819	0.0774	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	210.6331	210.6331	4.0400e-003	3.8600e-003	211.8848
Condo/Townhouse	1.63966e+006	8.8400e-003	0.0756	0.0322	4.8000e-004		6.1100e-003	6.1100e-003		6.1100e-003	6.1100e-003	0.0000	87.4987	87.4987	1.6800e-003	1.6000e-003	88.0187
<b>Total</b>		<b>0.0301</b>	<b>0.2574</b>	<b>0.1095</b>	<b>1.6400e-003</b>		<b>0.0208</b>	<b>0.0208</b>		<b>0.0208</b>	<b>0.0208</b>	<b>0.0000</b>	<b>298.1319</b>	<b>298.1319</b>	<b>5.7200e-003</b>	<b>5.4600e-003</b>	<b>299.9035</b>

**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					
Apartments Low Rise	3.94712e+006	0.0213	0.1819	0.0774	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	210.6331	210.6331	4.0400e-003	3.8600e-003	211.8848
Condo/Townhouse	1.63966e+006	8.8400e-003	0.0756	0.0322	4.8000e-004		6.1100e-003	6.1100e-003		6.1100e-003	6.1100e-003	0.0000	87.4987	87.4987	1.6800e-003	1.6000e-003	88.0187
<b>Total</b>		<b>0.0301</b>	<b>0.2574</b>	<b>0.1095</b>	<b>1.6400e-003</b>		<b>0.0208</b>	<b>0.0208</b>		<b>0.0208</b>	<b>0.0208</b>	<b>0.0000</b>	<b>298.1319</b>	<b>298.1319</b>	<b>5.7200e-003</b>	<b>5.4600e-003</b>	<b>299.9035</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.6244e+006	112.3720	0.0184	2.2100e-003	113.4912
Condo/Townhouse	460605	31.8634	5.2200e-003	6.3000e-004	32.1808
<b>Total</b>		<b>144.2354</b>	<b>0.0236</b>	<b>2.8400e-003</b>	<b>145.6720</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.6244e+006	112.3720	0.0184	2.2100e-003	113.4912
Condo/Townhouse	460605	31.8634	5.2200e-003	6.3000e-004	32.1808
<b>Total</b>		<b>144.2354</b>	<b>0.0236</b>	<b>2.8400e-003</b>	<b>145.6720</b>

**6.0 Area Detail**

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	2.1983	0.0423	3.6720	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7500e-003	0.0000	6.1475
Unmitigated	2.1983	0.0423	3.6720	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7500e-003	0.0000	6.1475

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1103	0.0423	3.6720	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7500e-003	0.0000	6.1475
<b>Total</b>	<b>2.1983</b>	<b>0.0423</b>	<b>3.6720</b>	<b>1.9000e-004</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0204</b>	<b>0.0204</b>	<b>0.0000</b>	<b>6.0038</b>	<b>6.0038</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>6.1475</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1103	0.0423	3.6720	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7500e-003	0.0000	6.1475
<b>Total</b>	<b>2.1983</b>	<b>0.0423</b>	<b>3.6720</b>	<b>1.9000e-004</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0204</b>	<b>0.0204</b>	<b>0.0000</b>	<b>6.0038</b>	<b>6.0038</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>6.1475</b>

**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

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	23.4088	0.0338	0.0201	30.2522
Unmitigated	28.4057	0.0421	0.0252	36.9514

**7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	26.0616 / 16.4301	22.9541	0.0340	0.0203	29.8597
Condo/Townhouse	6.18963 / 3.90216	5.4516	8.0700e-003	4.8300e-003	7.0917
<b>Total</b>		<b>28.4057</b>	<b>0.0421</b>	<b>0.0252</b>	<b>36.9514</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	20.8493 / 15.4279	18.9162	0.0273	0.0163	24.4462
Condo/Townhouse	4.95171 / 3.66413	4.4926	6.4800e-003	3.8600e-003	5.8060
<b>Total</b>		<b>23.4088</b>	<b>0.0338</b>	<b>0.0201</b>	<b>30.2522</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	23.6425	1.1724	0.0000	52.9513
Unmitigated	47.2850	2.3447	0.0000	105.9027

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	184	38.2101	1.8947	0.0000	85.5779
Condo/Townhouse	43.7	9.0749	0.4500	0.0000	20.3248
<b>Total</b>		<b>47.2850</b>	<b>2.3447</b>	<b>0.0000</b>	<b>105.9027</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	92	19.1050	0.9474	0.0000	42.7890
Condo/Townhouse	21.85	4.5375	0.2250	0.0000	10.1624
<b>Total</b>		<b>23.6425</b>	<b>1.1724</b>	<b>0.0000</b>	<b>52.9513</b>

**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**

Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Richards Ranch Annexation Project Residential****Santa Barbara-North of Santa Ynez County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	400.00	Dwelling Unit	18.20	400,000.00	1088
Condo/Townhouse	95.00	Dwelling Unit	9.20	95,000.00	258

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2030
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	127.09	<b>CH4 Intensity (lb/MWhr)</b>	0.021	<b>N2O Intensity (lb/MWhr)</b>	0.002

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

Project Characteristics - Intensity factor based on Renewable Portfolio Standard for PG&E in 2030.

Land Use - Lot Acreage is based on Site Plan

Construction Phase - Building Construction is based on construction schedule and Arch Coating is spread out during construction to reflect typical construction phasing practices. Rest of phasing is left as default.

Trips and VMT -

Demolition - No existing building are on site, left phase to account for potential vegetation removal

Grading - No info is available as of (3/28)

Architectural Coating - Use Low VOC paints (50 g/L)

Vehicle Trips - Trip rates are based on Traffic Study with 30% reduction to account for internal trips.

Area Coating - Low VOC Paints

Construction Off-road Equipment Mitigation - Tier 4 and water exposed area

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mobile Land Use Mitigation - Project will improve pedestrian network and will be located 0.14 miles from a bus stop.

Area Mitigation - Use Low VOC Paints

Water Mitigation -

Waste Mitigation -

Fleet Mix - SJVAPCD Fleet Mix for residential used.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	440.00	557.00
tblConstructionPhase	NumDays	35.00	469.00
tblLandUse	LotAcreage	25.00	18.20
tblLandUse	LotAcreage	5.94	9.20
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	ST_TR	8.14	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	SU_TR	6.28	4.62
tblVehicleTrips	WD_TR	7.32	4.62
tblVehicleTrips	WD_TR	7.32	4.62

**2.0 Emissions Summary**

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	0.4842	2.7252	3.1470	7.0600e-003	0.6277	0.1114	0.7391	0.2434	0.1039	0.3472	0.0000	634.4136	634.4136	0.1197	0.0165	642.3247
2025	1.1969	2.1805	3.3917	7.8000e-003	0.3844	0.0790	0.4634	0.1031	0.0747	0.1778	0.0000	710.2800	710.2800	0.0870	0.0258	720.1370
2026	0.7291	1.2432	1.9524	4.3200e-003	0.1995	0.0473	0.2468	0.0535	0.0446	0.0980	0.0000	393.3755	393.3755	0.0545	0.0126	398.4794
<b>Maximum</b>	<b>1.1969</b>	<b>2.7252</b>	<b>3.3917</b>	<b>7.8000e-003</b>	<b>0.6277</b>	<b>0.1114</b>	<b>0.7391</b>	<b>0.2434</b>	<b>0.1039</b>	<b>0.3472</b>	<b>0.0000</b>	<b>710.2800</b>	<b>710.2800</b>	<b>0.1197</b>	<b>0.0258</b>	<b>720.1370</b>

**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					
2024	0.2815	0.5769	3.4531	7.0600e-003	0.3815	9.4800e-003	0.3910	0.1316	9.3500e-003	0.1409	0.0000	634.4131	634.4131	0.1197	0.0165	642.3242
2025	1.0428	0.7121	3.5742	7.8000e-003	0.3844	9.2500e-003	0.3937	0.1031	9.0500e-003	0.1121	0.0000	710.2796	710.2796	0.0870	0.0258	720.1366
2026	0.6393	0.3702	2.0906	4.3200e-003	0.1995	5.2600e-003	0.2048	0.0535	5.1600e-003	0.0586	0.0000	393.3753	393.3753	0.0545	0.0126	398.4791
<b>Maximum</b>	<b>1.0428</b>	<b>0.7121</b>	<b>3.5742</b>	<b>7.8000e-003</b>	<b>0.3844</b>	<b>9.4800e-003</b>	<b>0.3937</b>	<b>0.1316</b>	<b>9.3500e-003</b>	<b>0.1409</b>	<b>0.0000</b>	<b>710.2796</b>	<b>710.2796</b>	<b>0.1197</b>	<b>0.0258</b>	<b>720.1366</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	18.53	73.02	-7.38	0.00	20.32	89.91	31.73	27.95	89.44	49.97	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.9235	0.0958
2	4-1-2024	6-30-2024	0.8517	0.1763
3	7-1-2024	9-30-2024	0.6172	0.2113
4	10-1-2024	12-31-2024	0.8056	0.3727
5	1-1-2025	3-31-2025	0.8345	0.4349
6	4-1-2025	6-30-2025	0.8359	0.4318
7	7-1-2025	9-30-2025	0.8451	0.4366
8	10-1-2025	12-31-2025	0.8530	0.4445
9	1-1-2026	3-31-2026	0.8289	0.4293
10	4-1-2026	6-30-2026	0.8306	0.4265
11	7-1-2026	9-30-2026	0.3127	0.1520
		Highest	0.9235	0.4445

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	2.2365	0.0423	3.6657	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7200e-003	0.0000	6.1468
Energy	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	418.3265	418.3265	0.0256	7.3600e-003	421.1583
Mobile	0.7799	0.8664	6.5926	0.0127	1.5952	9.1600e-003	1.6044	0.4269	8.5600e-003	0.4355	0.0000	1,240.9250	1,240.9250	0.0872	0.0643	1,262.2637
Waste						0.0000	0.0000		0.0000	0.0000	47.2850	0.0000	47.2850	2.3447	0.0000	105.9027
Water						0.0000	0.0000		0.0000	0.0000	11.4105	14.1624	25.5730	0.0416	0.0250	34.0744
<b>Total</b>	<b>3.0465</b>	<b>1.1660</b>	<b>10.3678</b>	<b>0.0145</b>	<b>1.5952</b>	<b>0.0504</b>	<b>1.6456</b>	<b>0.4269</b>	<b>0.0498</b>	<b>0.4767</b>	<b>58.6955</b>	<b>1,679.4177</b>	<b>1,738.1131</b>	<b>2.5048</b>	<b>0.0967</b>	<b>1,829.5458</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	2.2365	0.0423	3.6657	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7200e-003	0.0000	6.1468
Energy	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	418.3265	418.3265	0.0256	7.3600e-003	421.1583
Mobile	0.7160	0.7315	5.6214	0.0101	1.2522	7.4800e-003	1.2597	0.3351	6.9800e-003	0.3421	0.0000	984.8001	984.8001	0.0766	0.0546	1,002.9908
Waste						0.0000	0.0000		0.0000	0.0000	23.6425	0.0000	23.6425	1.1724	0.0000	52.9513
Water						0.0000	0.0000		0.0000	0.0000	9.1284	11.9002	21.0286	0.0334	0.0200	27.8347
<b>Total</b>	<b>2.9826</b>	<b>1.0311</b>	<b>9.3967</b>	<b>0.0119</b>	<b>1.2522</b>	<b>0.0487</b>	<b>1.3009</b>	<b>0.3351</b>	<b>0.0482</b>	<b>0.3833</b>	<b>32.7709</b>	<b>1,421.0305</b>	<b>1,453.8014</b>	<b>1.3136</b>	<b>0.0820</b>	<b>1,511.0819</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>2.10</b>	<b>11.57</b>	<b>9.37</b>	<b>18.02</b>	<b>21.50</b>	<b>3.34</b>	<b>20.95</b>	<b>21.50</b>	<b>3.18</b>	<b>19.59</b>	<b>44.17</b>	<b>15.39</b>	<b>16.36</b>	<b>47.56</b>	<b>15.17</b>	<b>17.41</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing	Demolition	1/1/2024	2/9/2024	5	30	
2	Site Preparation	Site Preparation	2/10/2024	3/8/2024	5	20	
3	Grading	Grading	3/9/2024	5/10/2024	5	45	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

4	Building Construction	Building Construction	5/11/2024	6/30/2026	5	557
5	Architectural Coating	Architectural Coating	11/1/2024	8/19/2026	5	469
6	Paving	Paving	7/1/2026	8/18/2026	5	35

**Acres of Grading (Site Preparation Phase): 30****Acres of Grading (Grading Phase): 135****Acres of Paving: 0****Residential Indoor: 1,002,375; Residential Outdoor: 334,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing	Concrete/Industrial Saws	1	8.00	81	0.73
Grubbing	Excavators	3	8.00	158	0.38
Grubbing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

**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
Grubbing	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	356.00	53.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	71.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Grubbing - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0337	0.3132	0.2956	5.8000e-004		0.0144	0.0144		0.0134	0.0134	0.0000	50.9941	50.9941	0.0143	0.0000	51.3508
<b>Total</b>	<b>0.0337</b>	<b>0.3132</b>	<b>0.2956</b>	<b>5.8000e-004</b>		<b>0.0144</b>	<b>0.0144</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>50.9941</b>	<b>50.9941</b>	<b>0.0143</b>	<b>0.0000</b>	<b>51.3508</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.7000e-004	4.1000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0459	1.0459	4.0000e-005	3.0000e-005	1.0570
<b>Total</b>	<b>5.4000e-004</b>	<b>3.7000e-004</b>	<b>4.1000e-003</b>	<b>1.0000e-005</b>	<b>1.3900e-003</b>	<b>1.0000e-005</b>	<b>1.4000e-003</b>	<b>3.7000e-004</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.0459</b>	<b>1.0459</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0570</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Grubbing - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9300e-003	0.0301	0.3492	5.8000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	50.9940	50.9940	0.0143	0.0000	51.3507
<b>Total</b>	<b>6.9300e-003</b>	<b>0.0301</b>	<b>0.3492</b>	<b>5.8000e-004</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>50.9940</b>	<b>50.9940</b>	<b>0.0143</b>	<b>0.0000</b>	<b>51.3507</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.7000e-004	4.1000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0459	1.0459	4.0000e-005	3.0000e-005	1.0570
<b>Total</b>	<b>5.4000e-004</b>	<b>3.7000e-004</b>	<b>4.1000e-003</b>	<b>1.0000e-005</b>	<b>1.3900e-003</b>	<b>1.0000e-005</b>	<b>1.4000e-003</b>	<b>3.7000e-004</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.0459</b>	<b>1.0459</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0570</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2718	0.1834	3.8000e-004		0.0123	0.0123		0.0113	0.0113	0.0000	33.4571	33.4571	0.0108	0.0000	33.7276
<b>Total</b>	<b>0.0266</b>	<b>0.2718</b>	<b>0.1834</b>	<b>3.8000e-004</b>	<b>0.1966</b>	<b>0.0123</b>	<b>0.2089</b>	<b>0.1010</b>	<b>0.0113</b>	<b>0.1123</b>	<b>0.0000</b>	<b>33.4571</b>	<b>33.4571</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7276</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.2800e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.8367	0.8367	3.0000e-005	3.0000e-005	0.8456
<b>Total</b>	<b>4.3000e-004</b>	<b>3.0000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8367</b>	<b>0.8367</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.8456</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Site Preparation - 2024****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					0.0767	0.0000	0.0767	0.0394	0.0000	0.0394	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0202	0.2087	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.4570	33.4570	0.0108	0.0000	33.7275
<b>Total</b>	<b>4.6600e-003</b>	<b>0.0202</b>	<b>0.2087</b>	<b>3.8000e-004</b>	<b>0.0767</b>	<b>6.2000e-004</b>	<b>0.0773</b>	<b>0.0394</b>	<b>6.2000e-004</b>	<b>0.0400</b>	<b>0.0000</b>	<b>33.4570</b>	<b>33.4570</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7275</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.2800e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.8367	0.8367	3.0000e-005	3.0000e-005	0.8456
<b>Total</b>	<b>4.3000e-004</b>	<b>3.0000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8367</b>	<b>0.8367</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.8456</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2071	0.0000	0.2071	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0724	0.7285	0.6238	1.4000e-003		0.0301	0.0301		0.0276	0.0276	0.0000	122.6689	122.6689	0.0397	0.0000	123.6608
<b>Total</b>	<b>0.0724</b>	<b>0.7285</b>	<b>0.6238</b>	<b>1.4000e-003</b>	<b>0.2071</b>	<b>0.0301</b>	<b>0.2371</b>	<b>0.0822</b>	<b>0.0276</b>	<b>0.1099</b>	<b>0.0000</b>	<b>122.6689</b>	<b>122.6689</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6608</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.4000e-004	8.2000e-003	2.0000e-005	2.7800e-003	1.0000e-005	2.7900e-003	7.4000e-004	1.0000e-005	7.5000e-004	0.0000	2.0918	2.0918	8.0000e-005	7.0000e-005	2.1140
<b>Total</b>	<b>1.0900e-003</b>	<b>7.4000e-004</b>	<b>8.2000e-003</b>	<b>2.0000e-005</b>	<b>2.7800e-003</b>	<b>1.0000e-005</b>	<b>2.7900e-003</b>	<b>7.4000e-004</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.0918</b>	<b>2.0918</b>	<b>8.0000e-005</b>	<b>7.0000e-005</b>	<b>2.1140</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Grading - 2024****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					0.0808	0.0000	0.0808	0.0321	0.0000	0.0321	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.0743	0.7425	1.4000e-003		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003	0.0000	122.6688	122.6688	0.0397	0.0000	123.6606
<b>Total</b>	<b>0.0171</b>	<b>0.0743</b>	<b>0.7425</b>	<b>1.4000e-003</b>	<b>0.0808</b>	<b>2.2800e-003</b>	<b>0.0830</b>	<b>0.0321</b>	<b>2.2800e-003</b>	<b>0.0343</b>	<b>0.0000</b>	<b>122.6688</b>	<b>122.6688</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6606</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.4000e-004	8.2000e-003	2.0000e-005	2.7800e-003	1.0000e-005	2.7900e-003	7.4000e-004	1.0000e-005	7.5000e-004	0.0000	2.0918	2.0918	8.0000e-005	7.0000e-005	2.1140
<b>Total</b>	<b>1.0900e-003</b>	<b>7.4000e-004</b>	<b>8.2000e-003</b>	<b>2.0000e-005</b>	<b>2.7800e-003</b>	<b>1.0000e-005</b>	<b>2.7900e-003</b>	<b>7.4000e-004</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.0918</b>	<b>2.0918</b>	<b>8.0000e-005</b>	<b>7.0000e-005</b>	<b>2.1140</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1229	1.1226	1.3499	2.2500e-003		0.0512	0.0512		0.0482	0.0482	0.0000	193.5940	193.5940	0.0458	0.0000	194.7385
<b>Total</b>	<b>0.1229</b>	<b>1.1226</b>	<b>1.3499</b>	<b>2.2500e-003</b>		<b>0.0512</b>	<b>0.0512</b>		<b>0.0482</b>	<b>0.0482</b>	<b>0.0000</b>	<b>193.5940</b>	<b>193.5940</b>	<b>0.0458</b>	<b>0.0000</b>	<b>194.7385</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3500e-003	0.2104	0.0703	7.9000e-004	0.0258	1.2100e-003	0.0270	7.4300e-003	1.1600e-003	8.5900e-003	0.0000	78.9577	78.9577	3.4500e-003	0.0117	82.5143
Worker	0.0717	0.0488	0.5417	1.4800e-003	0.1836	8.7000e-004	0.1845	0.0488	8.0000e-004	0.0496	0.0000	138.1819	138.1819	4.9600e-003	4.5000e-003	139.6477
<b>Total</b>	<b>0.0770</b>	<b>0.2591</b>	<b>0.6120</b>	<b>2.2700e-003</b>	<b>0.2094</b>	<b>2.0800e-003</b>	<b>0.2115</b>	<b>0.0562</b>	<b>1.9600e-003</b>	<b>0.0582</b>	<b>0.0000</b>	<b>217.1396</b>	<b>217.1396</b>	<b>8.4100e-003</b>	<b>0.0162</b>	<b>222.1620</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2024****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	0.0274	0.1866	1.4579	2.2500e-003		3.4100e-003	3.4100e-003		3.4100e-003	3.4100e-003	0.0000	193.5938	193.5938	0.0458	0.0000	194.7383
<b>Total</b>	<b>0.0274</b>	<b>0.1866</b>	<b>1.4579</b>	<b>2.2500e-003</b>		<b>3.4100e-003</b>	<b>3.4100e-003</b>		<b>3.4100e-003</b>	<b>3.4100e-003</b>	<b>0.0000</b>	<b>193.5938</b>	<b>193.5938</b>	<b>0.0458</b>	<b>0.0000</b>	<b>194.7383</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3500e-003	0.2104	0.0703	7.9000e-004	0.0258	1.2100e-003	0.0270	7.4300e-003	1.1600e-003	8.5900e-003	0.0000	78.9577	78.9577	3.4500e-003	0.0117	82.5143
Worker	0.0717	0.0488	0.5417	1.4800e-003	0.1836	8.7000e-004	0.1845	0.0488	8.0000e-004	0.0496	0.0000	138.1819	138.1819	4.9600e-003	4.5000e-003	139.6477
<b>Total</b>	<b>0.0770</b>	<b>0.2591</b>	<b>0.6120</b>	<b>2.2700e-003</b>	<b>0.2094</b>	<b>2.0800e-003</b>	<b>0.2115</b>	<b>0.0562</b>	<b>1.9600e-003</b>	<b>0.0582</b>	<b>0.0000</b>	<b>217.1396</b>	<b>217.1396</b>	<b>8.4100e-003</b>	<b>0.0162</b>	<b>222.1620</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6549</b>	<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-003	0.3217	0.1073	1.2100e-003	0.0403	1.8500e-003	0.0421	0.0116	1.7700e-003	0.0134	0.0000	121.1909	121.1909	5.5800e-003	0.0179	126.6650
Worker	0.1053	0.0684	0.7914	2.2300e-003	0.2869	1.3000e-003	0.2883	0.0763	1.2000e-003	0.0775	0.0000	211.0274	211.0274	7.0600e-003	6.5700e-003	213.1607
<b>Total</b>	<b>0.1133</b>	<b>0.3901</b>	<b>0.8987</b>	<b>3.4400e-003</b>	<b>0.3272</b>	<b>3.1500e-003</b>	<b>0.3304</b>	<b>0.0879</b>	<b>2.9700e-003</b>	<b>0.0908</b>	<b>0.0000</b>	<b>332.2183</b>	<b>332.2183</b>	<b>0.0126</b>	<b>0.0245</b>	<b>339.8257</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2025****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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.0428</b>	<b>0.2916</b>	<b>2.2786</b>	<b>3.5200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>	<b>0.0000</b>	<b>302.6545</b>	<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-003	0.3217	0.1073	1.2100e-003	0.0403	1.8500e-003	0.0421	0.0116	1.7700e-003	0.0134	0.0000	121.1909	121.1909	5.5800e-003	0.0179	126.6650
Worker	0.1053	0.0684	0.7914	2.2300e-003	0.2869	1.3000e-003	0.2883	0.0763	1.2000e-003	0.0775	0.0000	211.0274	211.0274	7.0600e-003	6.5700e-003	213.1607
<b>Total</b>	<b>0.1133</b>	<b>0.3901</b>	<b>0.8987</b>	<b>3.4400e-003</b>	<b>0.3272</b>	<b>3.1500e-003</b>	<b>0.3304</b>	<b>0.0879</b>	<b>2.9700e-003</b>	<b>0.0908</b>	<b>0.0000</b>	<b>332.2183</b>	<b>332.2183</b>	<b>0.0126</b>	<b>0.0245</b>	<b>339.8257</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0882	0.8043	1.0375	1.7400e-003		0.0340	0.0340		0.0320	0.0320	0.0000	149.5881	149.5881	0.0352	0.0000	150.4671
<b>Total</b>	<b>0.0882</b>	<b>0.8043</b>	<b>1.0375</b>	<b>1.7400e-003</b>		<b>0.0340</b>	<b>0.0340</b>		<b>0.0320</b>	<b>0.0320</b>	<b>0.0000</b>	<b>149.5881</b>	<b>149.5881</b>	<b>0.0352</b>	<b>0.0000</b>	<b>150.4671</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-003	0.1556	0.0520	5.9000e-004	0.0199	8.9000e-004	0.0208	5.7400e-003	8.5000e-004	6.5900e-003	0.0000	58.8051	58.8051	2.8500e-003	8.7000e-003	61.4684
Worker	0.0491	0.0305	0.3621	1.0700e-003	0.1418	6.0000e-004	0.1424	0.0377	5.5000e-004	0.0382	0.0000	101.7620	101.7620	3.1700e-003	3.0400e-003	102.7485
<b>Total</b>	<b>0.0529</b>	<b>0.1861</b>	<b>0.4141</b>	<b>1.6600e-003</b>	<b>0.1617</b>	<b>1.4900e-003</b>	<b>0.1632</b>	<b>0.0434</b>	<b>1.4000e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>160.5671</b>	<b>160.5671</b>	<b>6.0200e-003</b>	<b>0.0117</b>	<b>164.2169</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Building Construction - 2026****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	0.0211	0.1441	1.1262	1.7400e-003		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	149.5879	149.5879	0.0352	0.0000	150.4670
<b>Total</b>	<b>0.0211</b>	<b>0.1441</b>	<b>1.1262</b>	<b>1.7400e-003</b>		<b>2.6300e-003</b>	<b>2.6300e-003</b>		<b>2.6300e-003</b>	<b>2.6300e-003</b>	<b>0.0000</b>	<b>149.5879</b>	<b>149.5879</b>	<b>0.0352</b>	<b>0.0000</b>	<b>150.4670</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-003	0.1556	0.0520	5.9000e-004	0.0199	8.9000e-004	0.0208	5.7400e-003	8.5000e-004	6.5900e-003	0.0000	58.8051	58.8051	2.8500e-003	8.7000e-003	61.4684
Worker	0.0491	0.0305	0.3621	1.0700e-003	0.1418	6.0000e-004	0.1424	0.0377	5.5000e-004	0.0382	0.0000	101.7620	101.7620	3.1700e-003	3.0400e-003	102.7485
<b>Total</b>	<b>0.0529</b>	<b>0.1861</b>	<b>0.4141</b>	<b>1.6600e-003</b>	<b>0.1617</b>	<b>1.4900e-003</b>	<b>0.1632</b>	<b>0.0434</b>	<b>1.4000e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>160.5671</b>	<b>160.5671</b>	<b>6.0200e-003</b>	<b>0.0117</b>	<b>164.2169</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1420					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
<b>Total</b>	<b>0.1459</b>	<b>0.0262</b>	<b>0.0389</b>	<b>6.0000e-005</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>5.4895</b>	<b>5.4895</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.4972</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6800e-003	2.5000e-003	0.0278	8.0000e-005	9.4300e-003	4.0000e-005	9.4700e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.0960	7.0960	2.5000e-004	2.3000e-004	7.1712
<b>Total</b>	<b>3.6800e-003</b>	<b>2.5000e-003</b>	<b>0.0278</b>	<b>8.0000e-005</b>	<b>9.4300e-003</b>	<b>4.0000e-005</b>	<b>9.4700e-003</b>	<b>2.5100e-003</b>	<b>4.0000e-005</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>7.0960</b>	<b>7.0960</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>7.1712</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2024****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	0.1420					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	2.7700e-003	0.0394	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
<b>Total</b>	<b>0.1426</b>	<b>2.7700e-003</b>	<b>0.0394</b>	<b>6.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>5.4895</b>	<b>5.4895</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.4972</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6800e-003	2.5000e-003	0.0278	8.0000e-005	9.4300e-003	4.0000e-005	9.4700e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.0960	7.0960	2.5000e-004	2.3000e-004	7.1712
<b>Total</b>	<b>3.6800e-003</b>	<b>2.5000e-003</b>	<b>0.0278</b>	<b>8.0000e-005</b>	<b>9.4300e-003</b>	<b>4.0000e-005</b>	<b>9.4700e-003</b>	<b>2.5100e-003</b>	<b>4.0000e-005</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>7.0960</b>	<b>7.0960</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>7.1712</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.8841</b>	<b>0.1495</b>	<b>0.2361</b>	<b>3.9000e-004</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>	<b>0.0000</b>	<b>33.3200</b>	<b>33.3200</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0136	0.1578	4.5000e-004	0.0572	2.6000e-004	0.0575	0.0152	2.4000e-004	0.0155	0.0000	42.0869	42.0869	1.4100e-003	1.3100e-003	42.5124
<b>Total</b>	<b>0.0210</b>	<b>0.0136</b>	<b>0.1578</b>	<b>4.5000e-004</b>	<b>0.0572</b>	<b>2.6000e-004</b>	<b>0.0575</b>	<b>0.0152</b>	<b>2.4000e-004</b>	<b>0.0155</b>	<b>0.0000</b>	<b>42.0869</b>	<b>42.0869</b>	<b>1.4100e-003</b>	<b>1.3100e-003</b>	<b>42.5124</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2025****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	0.8618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.8657</b>	<b>0.0168</b>	<b>0.2391</b>	<b>3.9000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>33.3199</b>	<b>33.3199</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0136	0.1578	4.5000e-004	0.0572	2.6000e-004	0.0575	0.0152	2.4000e-004	0.0155	0.0000	42.0869	42.0869	1.4100e-003	1.3100e-003	42.5124
<b>Total</b>	<b>0.0210</b>	<b>0.0136</b>	<b>0.1578</b>	<b>4.5000e-004</b>	<b>0.0572</b>	<b>2.6000e-004</b>	<b>0.0575</b>	<b>0.0152</b>	<b>2.4000e-004</b>	<b>0.0155</b>	<b>0.0000</b>	<b>42.0869</b>	<b>42.0869</b>	<b>1.4100e-003</b>	<b>1.3100e-003</b>	<b>42.5124</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0945	0.1493	2.5000e-004		4.2500e-003	4.2500e-003		4.2500e-003	4.2500e-003	0.0000	21.0643	21.0643	1.1500e-003	0.0000	21.0931
<b>Total</b>	<b>0.5589</b>	<b>0.0945</b>	<b>0.1493</b>	<b>2.5000e-004</b>		<b>4.2500e-003</b>	<b>4.2500e-003</b>		<b>4.2500e-003</b>	<b>4.2500e-003</b>	<b>0.0000</b>	<b>21.0643</b>	<b>21.0643</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>21.0931</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0125	7.7800e-003	0.0924	2.7000e-004	0.0362	1.5000e-004	0.0363	9.6100e-003	1.4000e-004	9.7500e-003	0.0000	25.9590	25.9590	8.1000e-004	7.8000e-004	26.2107
<b>Total</b>	<b>0.0125</b>	<b>7.7800e-003</b>	<b>0.0924</b>	<b>2.7000e-004</b>	<b>0.0362</b>	<b>1.5000e-004</b>	<b>0.0363</b>	<b>9.6100e-003</b>	<b>1.4000e-004</b>	<b>9.7500e-003</b>	<b>0.0000</b>	<b>25.9590</b>	<b>25.9590</b>	<b>8.1000e-004</b>	<b>7.8000e-004</b>	<b>26.2107</b>



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Architectural Coating - 2026****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	0.5448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4500e-003	0.0106	0.1512	2.5000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	21.0643	21.0643	1.1500e-003	0.0000	21.0930
<b>Total</b>	<b>0.5473</b>	<b>0.0106</b>	<b>0.1512</b>	<b>2.5000e-004</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>21.0643</b>	<b>21.0643</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>21.0930</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0125	7.7800e-003	0.0924	2.7000e-004	0.0362	1.5000e-004	0.0363	9.6100e-003	1.4000e-004	9.7500e-003	0.0000	25.9590	25.9590	8.1000e-004	7.8000e-004	26.2107
<b>Total</b>	<b>0.0125</b>	<b>7.7800e-003</b>	<b>0.0924</b>	<b>2.7000e-004</b>	<b>0.0362</b>	<b>1.5000e-004</b>	<b>0.0363</b>	<b>9.6100e-003</b>	<b>1.4000e-004</b>	<b>9.7500e-003</b>	<b>0.0000</b>	<b>25.9590</b>	<b>25.9590</b>	<b>8.1000e-004</b>	<b>7.8000e-004</b>	<b>26.2107</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1502	0.2551	4.0000e-004		7.3200e-003	7.3200e-003		6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3170
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0160</b>	<b>0.1502</b>	<b>0.2551</b>	<b>4.0000e-004</b>		<b>7.3200e-003</b>	<b>7.3200e-003</b>		<b>6.7400e-003</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>35.0337</b>	<b>35.0337</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3170</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.1400e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.1633	1.1633	4.0000e-005	3.0000e-005	1.1746
<b>Total</b>	<b>5.6000e-004</b>	<b>3.5000e-004</b>	<b>4.1400e-003</b>	<b>1.0000e-005</b>	<b>1.6200e-003</b>	<b>1.0000e-005</b>	<b>1.6300e-003</b>	<b>4.3000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.1633</b>	<b>1.1633</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1746</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.7 Paving - 2026****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	4.9100e-003	0.0213	0.3027	4.0000e-004		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	35.0337	35.0337	0.0113	0.0000	35.3169
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.9100e-003</b>	<b>0.0213</b>	<b>0.3027</b>	<b>4.0000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>35.0337</b>	<b>35.0337</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3169</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.1400e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.1633	1.1633	4.0000e-005	3.0000e-005	1.1746
<b>Total</b>	<b>5.6000e-004</b>	<b>3.5000e-004</b>	<b>4.1400e-003</b>	<b>1.0000e-005</b>	<b>1.6200e-003</b>	<b>1.0000e-005</b>	<b>1.6300e-003</b>	<b>4.3000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.1633</b>	<b>1.1633</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1746</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive 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	0.7160	0.7315	5.6214	0.0101	1.2522	7.4800e-003	1.2597	0.3351	6.9800e-003	0.3421	0.0000	984.8001	984.8001	0.0766	0.0546	1,002.9908
Unmitigated	0.7799	0.8664	6.5926	0.0127	1.5952	9.1600e-003	1.6044	0.4269	8.5600e-003	0.4355	0.0000	1,240.9250	1,240.9250	0.0872	0.0643	1,262.2637

**4.2 Trip Summary Information**

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,848.00	1,848.00	1848.00	3,423,285	2,687,244
Condo/Townhouse	438.90	438.90	438.90	813,030	638,220
Total	2,286.90	2,286.90	2,286.90	4,236,315	3,325,464

**4.3 Trip Type Information**

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3
Condo/Townhouse	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Condo/Townhouse	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	120.1946	120.1946	0.0199	1.8900e-003	121.2548
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	120.1946	120.1946	0.0199	1.8900e-003	121.2548
NaturalGas Mitigated	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	298.1319	298.1319	5.7100e-003	5.4700e-003	299.9035
NaturalGas Unmitigated	0.0301	0.2574	0.1095	1.6400e-003		0.0208	0.0208		0.0208	0.0208	0.0000	298.1319	298.1319	5.7100e-003	5.4700e-003	299.9035

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
Apartments Low Rise	3.94712e+006	0.0213	0.1819	0.0774	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	210.6331	210.6331	4.0400e-003	3.8600e-003	211.8848
Condo/Townhouse	1.63966e+006	8.8400e-003	0.0756	0.0322	4.8000e-004		6.1100e-003	6.1100e-003		6.1100e-003	6.1100e-003	0.0000	87.4987	87.4987	1.6800e-003	1.6000e-003	88.0187
<b>Total</b>		<b>0.0301</b>	<b>0.2574</b>	<b>0.1095</b>	<b>1.6400e-003</b>		<b>0.0208</b>	<b>0.0208</b>		<b>0.0208</b>	<b>0.0208</b>	<b>0.0000</b>	<b>298.1319</b>	<b>298.1319</b>	<b>5.7200e-003</b>	<b>5.4600e-003</b>	<b>299.9035</b>

**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					
Apartments Low Rise	3.94712e+006	0.0213	0.1819	0.0774	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	210.6331	210.6331	4.0400e-003	3.8600e-003	211.8848
Condo/Townhouse	1.63966e+006	8.8400e-003	0.0756	0.0322	4.8000e-004		6.1100e-003	6.1100e-003		6.1100e-003	6.1100e-003	0.0000	87.4987	87.4987	1.6800e-003	1.6000e-003	88.0187
<b>Total</b>		<b>0.0301</b>	<b>0.2574</b>	<b>0.1095</b>	<b>1.6400e-003</b>		<b>0.0208</b>	<b>0.0208</b>		<b>0.0208</b>	<b>0.0208</b>	<b>0.0000</b>	<b>298.1319</b>	<b>298.1319</b>	<b>5.7200e-003</b>	<b>5.4600e-003</b>	<b>299.9035</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.6244e+006	93.6421	0.0155	1.4700e-003	94.4681
Condo/Townhouse	460605	26.5525	4.3900e-003	4.2000e-004	26.7867
<b>Total</b>		<b>120.1946</b>	<b>0.0199</b>	<b>1.8900e-003</b>	<b>121.2548</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.6244e+006	93.6421	0.0155	1.4700e-003	94.4681
Condo/Townhouse	460605	26.5525	4.3900e-003	4.2000e-004	26.7867
<b>Total</b>		<b>120.1946</b>	<b>0.0199</b>	<b>1.8900e-003</b>	<b>121.2548</b>

**6.0 Area Detail**

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	2.2365	0.0423	3.6657	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7200e-003	0.0000	6.1468
Unmitigated	2.2365	0.0423	3.6657	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7200e-003	0.0000	6.1468



## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1936					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1096	0.0423	3.6657	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7200e-003	0.0000	6.1468
<b>Total</b>	<b>2.2364</b>	<b>0.0423</b>	<b>3.6657</b>	<b>1.9000e-004</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0204</b>	<b>0.0204</b>	<b>0.0000</b>	<b>6.0038</b>	<b>6.0038</b>	<b>5.7200e-003</b>	<b>0.0000</b>	<b>6.1468</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1936					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1096	0.0423	3.6657	1.9000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0038	6.0038	5.7200e-003	0.0000	6.1468
<b>Total</b>	<b>2.2364</b>	<b>0.0423</b>	<b>3.6657</b>	<b>1.9000e-004</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0204</b>	<b>0.0204</b>	<b>0.0000</b>	<b>6.0038</b>	<b>6.0038</b>	<b>5.7200e-003</b>	<b>0.0000</b>	<b>6.1468</b>

**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

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	21.0286	0.0334	0.0200	27.8347
Unmitigated	25.5730	0.0416	0.0250	34.0744

**7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	26.0616 / 16.4301	20.6650	0.0336	0.0202	27.5348
Condo/Townhouse	6.18963 / 3.90216	4.9079	7.9900e-003	4.8100e-003	6.5395
<b>Total</b>		<b>25.5730</b>	<b>0.0416</b>	<b>0.0250</b>	<b>34.0744</b>

Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	20.8493 / 15.4279	16.9928	0.0270	0.0162	22.4927
Condo/Townhouse	4.95171 / 3.66413	4.0358	6.4100e-003	3.8500e-003	5.3420
Total		21.0286	0.0334	0.0200	27.8347

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	23.6425	1.1724	0.0000	52.9513
Unmitigated	47.2850	2.3447	0.0000	105.9027

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	184	38.2101	1.8947	0.0000	85.5779
Condo/Townhouse	43.7	9.0749	0.4500	0.0000	20.3248
<b>Total</b>		<b>47.2850</b>	<b>2.3447</b>	<b>0.0000</b>	<b>105.9027</b>

## Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	92	19.1050	0.9474	0.0000	42.7890
Condo/Townhouse	21.85	4.5375	0.2250	0.0000	10.1624
<b>Total</b>		<b>23.6425</b>	<b>1.1724</b>	<b>0.0000</b>	<b>52.9513</b>

**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**

Richards Ranch Annexation Project Residential - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Richards Ranch Commercial**  
**Santa Barbara-North of Santa Ynez County, Winter**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	39.50	1000sqft	2.00	39,500.00	0
Other Asphalt Surfaces	2.70	Acre	2.70	117,612.00	0
Parking Lot	163.90	1000sqft	3.76	163,900.00	0
Fast Food Restaurant w/o Drive Thru	6.00	1000sqft	1.86	6,000.00	0
Fast Food Restaurant with Drive Thru	18.75	1000sqft	2.33	18,750.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Automobile Care Center	3.59	1000sqft	0.08	3,590.00	0
Convenience Market with Gas Pumps	10.00	Pump	0.03	1,411.75	0
Gasoline/Service Station	3.00	Pump	0.01	423.52	0
Strip Mall	55.00	1000sqft	3.47	55,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2027
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	152.51	<b>CH4 Intensity (lb/MW hr)</b>	0.025	<b>N2O Intensity (lb/MW hr)</b>	0.003

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

Project Characteristics - Intensity Factors have been adjusted to reflect PG&amp;E's renewable portfolio for 2027.

Land Use -

Construction Phase - Building and Arch Coating are based on construction schedule



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Architectural Coating - Low VOC Paints

Vehicle Trips - Trip rate is based on traffic study with a 30% internal trip reduction applied, trip length is default.

Area Coating - Low VOC

Construction Off-road Equipment Mitigation - Tier 4 water exposed area

Mobile Land Use Mitigation - Project will improve pedestrian network and is located 0.14 miles away from bus stop.

Area Mitigation - Low VOC paints

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	587.00
tblConstructionPhase	NumDays	300.00	557.00
tblConstructionPhase	NumDays	30.00	20.00
tblLandUse	LotAcreage	0.91	2.00
tblLandUse	LotAcreage	0.14	1.86
tblLandUse	LotAcreage	0.43	2.33
tblLandUse	LotAcreage	1.26	3.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	ST_TR	23.72	48.55
tblVehicleTrips	ST_TR	322.50	140.56
tblVehicleTrips	ST_TR	696.00	67.90
tblVehicleTrips	ST_TR	616.12	327.24
tblVehicleTrips	ST_TR	182.17	28.00

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	ST_TR	122.40	75.04
tblVehicleTrips	ST_TR	42.04	66.14
tblVehicleTrips	ST_TR	1.74	1.01
tblVehicleTrips	SU_TR	11.88	48.55
tblVehicleTrips	SU_TR	322.50	140.56
tblVehicleTrips	SU_TR	500.00	67.90
tblVehicleTrips	SU_TR	472.58	327.24
tblVehicleTrips	SU_TR	166.88	28.00
tblVehicleTrips	SU_TR	142.64	75.04
tblVehicleTrips	SU_TR	20.43	66.14
tblVehicleTrips	SU_TR	1.74	1.01
tblVehicleTrips	WD_TR	23.72	48.55
tblVehicleTrips	WD_TR	322.50	140.56
tblVehicleTrips	WD_TR	346.23	67.90
tblVehicleTrips	WD_TR	470.95	327.24
tblVehicleTrips	WD_TR	172.01	28.00
tblVehicleTrips	WD_TR	112.18	75.04
tblVehicleTrips	WD_TR	44.32	66.14
tblVehicleTrips	WD_TR	1.74	1.01

**2.0 Emissions Summary**

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## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	9.5772	27.7221	37.7079	0.0754	19.7707	1.2299	21.0006	10.1326	1.1315	11.2641	0.0000	7,463.898 <sub>9</sub>	7,463.898 <sub>9</sub>	1.4327	0.2311	7,568.587 <sub>9</sub>
2025	9.3540	25.6275	37.2919	0.0748	1.7550	1.0216	2.7766	0.4745	0.9555	1.4301	0.0000	7,415.153 <sub>7</sub>	7,415.153 <sub>7</sub>	1.4269	0.2255	7,518.019 <sub>5</sub>
2026	7.5257	16.9277	22.1738	0.0508	1.6603	0.6018	2.2621	0.4494	0.5693	1.0187	0.0000	5,085.410 <sub>8</sub>	5,085.410 <sub>8</sub>	0.7093	0.2179	5,168.081 <sub>1</sub>
Maximum	9.5772	27.7221	37.7079	0.0754	19.7707	1.2299	21.0006	10.1326	1.1315	11.2641	0.0000	7,463.898 <sub>9</sub>	7,463.898 <sub>9</sub>	1.4327	0.2311	7,568.587 <sub>9</sub>

**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					
2024	7.5747	7.1138	41.6935	0.0754	7.7799	0.1069	7.8425	3.9701	0.1056	4.0327	0.0000	7,463.898 <sub>9</sub>	7,463.898 <sub>9</sub>	1.4327	0.2311	7,568.587 <sub>8</sub>
2025	7.5386	7.0095	41.4085	0.0748	1.7550	0.1061	1.8612	0.4745	0.1049	0.5794	0.0000	7,415.153 <sub>7</sub>	7,415.153 <sub>7</sub>	1.4269	0.2255	7,518.019 <sub>5</sub>
2026	6.3450	5.6760	23.5727	0.0508	1.6603	0.0675	1.7277	0.4494	0.0663	0.5157	0.0000	5,085.410 <sub>8</sub>	5,085.410 <sub>8</sub>	0.7093	0.2179	5,168.081 <sub>1</sub>
Maximum	7.5747	7.1138	41.6935	0.0754	7.7799	0.1069	7.8425	3.9701	0.1056	4.0327	0.0000	7,463.898 <sub>9</sub>	7,463.898 <sub>9</sub>	1.4327	0.2311	7,568.587 <sub>8</sub>

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	18.89	71.83	-9.78	0.00	51.72	90.17	56.10	55.74	89.58	62.61	0.00	0.00	0.00	0.00	0.00	0.00

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	3.7546	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
Energy	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577
Mobile	21.1192	18.4307	143.1801	0.1962	22.1123	0.1716	22.2839	5.9096	0.1602	6.0698		20,739.9631	20,739.9631	2.3663	1.4697	21,237.0776
<b>Total</b>	<b>25.0671</b>	<b>20.1874</b>	<b>144.6868</b>	<b>0.2067</b>	<b>22.1123</b>	<b>0.3052</b>	<b>22.4175</b>	<b>5.9096</b>	<b>0.2938</b>	<b>6.2034</b>		<b>22,847.7628</b>	<b>22,847.7628</b>	<b>2.4068</b>	<b>1.5083</b>	<b>23,357.4070</b>

**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	3.0530	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
Energy	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577
Mobile	20.1456	16.2417	128.0122	0.1575	17.3579	0.1446	17.5025	4.6390	0.1348	4.7738		16,653.1595	16,653.1595	2.1954	1.3084	17,097.9585
<b>Total</b>	<b>23.3919</b>	<b>17.9984</b>	<b>129.5189</b>	<b>0.1680</b>	<b>17.3579</b>	<b>0.2782</b>	<b>17.6361</b>	<b>4.6390</b>	<b>0.2684</b>	<b>4.9074</b>		<b>18,760.9592</b>	<b>18,760.9592</b>	<b>2.2360</b>	<b>1.3471</b>	<b>19,218.2878</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	6.68	10.84	10.48	18.71	21.50	8.86	21.33	21.50	8.63	20.89	0.00	17.89	17.89	7.10	10.69	17.72

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2024	1/12/2024	5	10	
2	Grading	Grading	1/13/2024	2/9/2024	5	20	
3	Building Construction	Building Construction	2/10/2024	3/31/2026	5	557	
4	Architectural Coating	Architectural Coating	4/1/2024	6/30/2026	5	587	
5	Paving	Paving	12/28/2024	1/24/2025	5	20	

**Acres of Grading (Site Preparation Phase): 15****Acres of Grading (Grading Phase): 20****Acres of Paving: 6.46****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 194,513; Non-Residential Outdoor: 64,838; Striped Parking Area: 16,891 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**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	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	167.00	67.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>19.6570</b>	<b>1.2294</b>	<b>20.8864</b>	<b>10.1025</b>	<b>1.1310</b>	<b>11.2335</b>		<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0466	0.0303	0.3370	8.9000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		92.1380	92.1380	3.4400e-003	3.0600e-003	93.1372
<b>Total</b>	<b>0.0466</b>	<b>0.0303</b>	<b>0.3370</b>	<b>8.9000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>92.1380</b>	<b>92.1380</b>	<b>3.4400e-003</b>	<b>3.0600e-003</b>	<b>93.1372</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0381</b>	<b>7.6662</b>	<b>0.0621</b>	<b>7.7283</b>	<b>3.9400</b>	<b>0.0621</b>	<b>4.0020</b>	<b>0.0000</b>	<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0466	0.0303	0.3370	8.9000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		92.1380	92.1380	3.4400e-003	3.0600e-003	93.1372
<b>Total</b>	<b>0.0466</b>	<b>0.0303</b>	<b>0.3370</b>	<b>8.9000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>92.1380</b>	<b>92.1380</b>	<b>3.4400e-003</b>	<b>3.0600e-003</b>	<b>93.1372</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
<b>Total</b>	<b>1.6617</b>	<b>17.0310</b>	<b>14.7594</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.7244</b>	<b>7.8070</b>	<b>3.4247</b>	<b>0.6665</b>	<b>4.0912</b>		<b>2,873.054 1</b>	<b>2,873.054 1</b>	<b>0.9292</b>		<b>2,896.284 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0389</b>	<b>0.0253</b>	<b>0.2809</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>76.7817</b>	<b>76.7817</b>	<b>2.8700e-003</b>	<b>2.5500e-003</b>	<b>77.6143</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
<b>Total</b>	<b>0.3632</b>	<b>1.5737</b>	<b>17.7527</b>	<b>0.0297</b>	<b>2.7622</b>	<b>0.0484</b>	<b>2.8106</b>	<b>1.3357</b>	<b>0.0484</b>	<b>1.3841</b>	<b>0.0000</b>	<b>2,873.054 1</b>	<b>2,873.054 1</b>	<b>0.9292</b>		<b>2,896.284 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0389</b>	<b>0.0253</b>	<b>0.2809</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>76.7817</b>	<b>76.7817</b>	<b>2.8700e-003</b>	<b>2.5500e-003</b>	<b>77.6143</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0804	3.1729	1.0795	0.0120	0.3972	0.0184	0.4156	0.1143	0.0176	0.1319		1,318.6672	1,318.6672	0.0574	0.1945	1,378.0678
Worker	0.4327	0.2813	3.1270	8.2900e-003	1.0547	4.9000e-003	1.0596	0.2798	4.5100e-003	0.2843		854.8361	854.8361	0.0319	0.0284	864.1060
<b>Total</b>	<b>0.5131</b>	<b>3.4541</b>	<b>4.2064</b>	<b>0.0203</b>	<b>1.4519</b>	<b>0.0233</b>	<b>1.4752</b>	<b>0.3941</b>	<b>0.0221</b>	<b>0.4163</b>		<b>2,173.5033</b>	<b>2,173.5033</b>	<b>0.0894</b>	<b>0.2229</b>	<b>2,242.1738</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0804	3.1729	1.0795	0.0120	0.3972	0.0184	0.4156	0.1143	0.0176	0.1319		1,318.6672	1,318.6672	0.0574	0.1945	1,378.0678
Worker	0.4327	0.2813	3.1270	8.2900e-003	1.0547	4.9000e-003	1.0596	0.2798	4.5100e-003	0.2843		854.8361	854.8361	0.0319	0.0284	864.1060
<b>Total</b>	<b>0.5131</b>	<b>3.4541</b>	<b>4.2064</b>	<b>0.0203</b>	<b>1.4519</b>	<b>0.0233</b>	<b>1.4752</b>	<b>0.3941</b>	<b>0.0221</b>	<b>0.4163</b>		<b>2,173.5033</b>	<b>2,173.5033</b>	<b>0.0894</b>	<b>0.2229</b>	<b>2,242.1738</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0768	3.1057	1.0544	0.0118	0.3972	0.0180	0.4152	0.1143	0.0172	0.1315		1,295.090 1	1,295.090 1	0.0594	0.1913	1,353.590 9
Worker	0.4074	0.2524	2.9250	8.0200e-003	1.0547	4.6800e-003	1.0594	0.2798	4.3100e-003	0.2841		835.3076	835.3076	0.0291	0.0265	843.9410
<b>Total</b>	<b>0.4842</b>	<b>3.3581</b>	<b>3.9794</b>	<b>0.0198</b>	<b>1.4519</b>	<b>0.0227</b>	<b>1.4745</b>	<b>0.3941</b>	<b>0.0215</b>	<b>0.4156</b>		<b>2,130.397 7</b>	<b>2,130.397 7</b>	<b>0.0885</b>	<b>0.2179</b>	<b>2,197.531 9</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0768	3.1057	1.0544	0.0118	0.3972	0.0180	0.4152	0.1143	0.0172	0.1315		1,295.090 1	1,295.090 1	0.0594	0.1913	1,353.590 9
Worker	0.4074	0.2524	2.9250	8.0200e-003	1.0547	4.6800e-003	1.0594	0.2798	4.3100e-003	0.2841		835.3076	835.3076	0.0291	0.0265	843.9410
<b>Total</b>	<b>0.4842</b>	<b>3.3581</b>	<b>3.9794</b>	<b>0.0198</b>	<b>1.4519</b>	<b>0.0227</b>	<b>1.4745</b>	<b>0.3941</b>	<b>0.0215</b>	<b>0.4156</b>		<b>2,130.397 7</b>	<b>2,130.397 7</b>	<b>0.0885</b>	<b>0.2179</b>	<b>2,197.531 9</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0736	3.0394	1.0338	0.0115	0.3972	0.0175	0.4147	0.1143	0.0167	0.1310		1,271.473 8	1,271.473 8	0.0613	0.1881	1,329.061 5
Worker	0.3848	0.2280	2.7106	7.7600e-003	1.0547	4.3600e-003	1.0590	0.2798	4.0100e-003	0.2838		814.9722	814.9722	0.0265	0.0249	823.0508
<b>Total</b>	<b>0.4584</b>	<b>3.2674</b>	<b>3.7444</b>	<b>0.0193</b>	<b>1.4519</b>	<b>0.0218</b>	<b>1.4737</b>	<b>0.3941</b>	<b>0.0207</b>	<b>0.4148</b>		<b>2,086.446 0</b>	<b>2,086.446 0</b>	<b>0.0878</b>	<b>0.2130</b>	<b>2,152.112 3</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0736	3.0394	1.0338	0.0115	0.3972	0.0175	0.4147	0.1143	0.0167	0.1310		1,271.473 8	1,271.473 8	0.0613	0.1881	1,329.061 5
Worker	0.3848	0.2280	2.7106	7.7600e-003	1.0547	4.3600e-003	1.0590	0.2798	4.0100e-003	0.2838		814.9722	814.9722	0.0265	0.0249	823.0508
<b>Total</b>	<b>0.4584</b>	<b>3.2674</b>	<b>3.7444</b>	<b>0.0193</b>	<b>1.4519</b>	<b>0.0218</b>	<b>1.4737</b>	<b>0.3941</b>	<b>0.0207</b>	<b>0.4148</b>		<b>2,086.446 0</b>	<b>2,086.446 0</b>	<b>0.0878</b>	<b>0.2130</b>	<b>2,152.112 3</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.6338</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0855	0.0556	0.6179	1.6400e-003	0.2084	9.7000e-004	0.2094	0.0553	8.9000e-004	0.0562		168.9197	168.9197	6.3100e-003	5.6200e-003	170.7515
<b>Total</b>	<b>0.0855</b>	<b>0.0556</b>	<b>0.6179</b>	<b>1.6400e-003</b>	<b>0.2084</b>	<b>9.7000e-004</b>	<b>0.2094</b>	<b>0.0553</b>	<b>8.9000e-004</b>	<b>0.0562</b>		<b>168.9197</b>	<b>168.9197</b>	<b>6.3100e-003</b>	<b>5.6200e-003</b>	<b>170.7515</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****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	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.4828</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0855	0.0556	0.6179	1.6400e-003	0.2084	9.7000e-004	0.2094	0.0553	8.9000e-004	0.0562		168.9197	168.9197	6.3100e-003	5.6200e-003	170.7515
<b>Total</b>	<b>0.0855</b>	<b>0.0556</b>	<b>0.6179</b>	<b>1.6400e-003</b>	<b>0.2084</b>	<b>9.7000e-004</b>	<b>0.2094</b>	<b>0.0553</b>	<b>8.9000e-004</b>	<b>0.0562</b>		<b>168.9197</b>	<b>168.9197</b>	<b>6.3100e-003</b>	<b>5.6200e-003</b>	<b>170.7515</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.6239</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0805	0.0499	0.5780	1.5800e-003	0.2084	9.2000e-004	0.2093	0.0553	8.5000e-004	0.0561		165.0608	165.0608	5.7500e-003	5.2400e-003	166.7668
<b>Total</b>	<b>0.0805</b>	<b>0.0499</b>	<b>0.5780</b>	<b>1.5800e-003</b>	<b>0.2084</b>	<b>9.2000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>8.5000e-004</b>	<b>0.0561</b>		<b>165.0608</b>	<b>165.0608</b>	<b>5.7500e-003</b>	<b>5.2400e-003</b>	<b>166.7668</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****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	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.4828</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0805	0.0499	0.5780	1.5800e-003	0.2084	9.2000e-004	0.2093	0.0553	8.5000e-004	0.0561		165.0608	165.0608	5.7500e-003	5.2400e-003	166.7668
<b>Total</b>	<b>0.0805</b>	<b>0.0499</b>	<b>0.5780</b>	<b>1.5800e-003</b>	<b>0.2084</b>	<b>9.2000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>8.5000e-004</b>	<b>0.0561</b>		<b>165.0608</b>	<b>165.0608</b>	<b>5.7500e-003</b>	<b>5.2400e-003</b>	<b>166.7668</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.6239</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0760	0.0451	0.5356	1.5300e-003	0.2084	8.6000e-004	0.2093	0.0553	7.9000e-004	0.0561		161.0424	161.0424	5.2300e-003	4.9200e-003	162.6388
<b>Total</b>	<b>0.0760</b>	<b>0.0451</b>	<b>0.5356</b>	<b>1.5300e-003</b>	<b>0.2084</b>	<b>8.6000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>7.9000e-004</b>	<b>0.0561</b>		<b>161.0424</b>	<b>161.0424</b>	<b>5.2300e-003</b>	<b>4.9200e-003</b>	<b>162.6388</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****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	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.4828</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0760	0.0451	0.5356	1.5300e-003	0.2084	8.6000e-004	0.2093	0.0553	7.9000e-004	0.0561		161.0424	161.0424	5.2300e-003	4.9200e-003	162.6388
<b>Total</b>	<b>0.0760</b>	<b>0.0451</b>	<b>0.5356</b>	<b>1.5300e-003</b>	<b>0.2084</b>	<b>8.6000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>7.9000e-004</b>	<b>0.0561</b>		<b>161.0424</b>	<b>161.0424</b>	<b>5.2300e-003</b>	<b>4.9200e-003</b>	<b>162.6388</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8344</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0389</b>	<b>0.0253</b>	<b>0.2809</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>76.7817</b>	<b>76.7817</b>	<b>2.8700e-003</b>	<b>2.5500e-003</b>	<b>77.6143</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1267</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0389</b>	<b>0.0253</b>	<b>0.2809</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>76.7817</b>	<b>76.7817</b>	<b>2.8700e-003</b>	<b>2.5500e-003</b>	<b>77.6143</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7614</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0366	0.0227	0.2627	7.2000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		75.0276	75.0276	2.6100e-003	2.3800e-003	75.8031
<b>Total</b>	<b>0.0366</b>	<b>0.0227</b>	<b>0.2627</b>	<b>7.2000e-004</b>	<b>0.0947</b>	<b>4.2000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>3.9000e-004</b>	<b>0.0255</b>		<b>75.0276</b>	<b>75.0276</b>	<b>2.6100e-003</b>	<b>2.3800e-003</b>	<b>75.8031</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1267</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0366	0.0227	0.2627	7.2000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		75.0276	75.0276	2.6100e-003	2.3800e-003	75.8031
<b>Total</b>	<b>0.0366</b>	<b>0.0227</b>	<b>0.2627</b>	<b>7.2000e-004</b>	<b>0.0947</b>	<b>4.2000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>3.9000e-004</b>	<b>0.0255</b>		<b>75.0276</b>	<b>75.0276</b>	<b>2.6100e-003</b>	<b>2.3800e-003</b>	<b>75.8031</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive 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	20.1456	16.2417	128.0122	0.1575	17.3579	0.1446	17.5025	4.6390	0.1348	4.7738		16,653.15 95	16,653.15 95	2.1954	1.3084	17,097.95 85
Unmitigated	21.1192	18.4307	143.1801	0.1962	22.1123	0.1716	22.2839	5.9096	0.1602	6.0698		20,739.96 31	20,739.96 31	2.3663	1.4697	21,237.07 76

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	174.29	174.29	174.29	130,977	102,816
Convenience Market with Gas Pumps	1,405.60	1,405.60	1,405.60	592,662	465,234
Fast Food Restaurant w/o Drive Thru	407.40	407.40	407.40	509,940	400,298
Fast Food Restaurant with Drive Thru	6,135.75	6,135.75	6,135.75	4,468,179	3,507,475
Gasoline/Service Station	84.00	84.00	84.00	37,923	29,769
High Turnover (Sit Down Restaurant)	375.20	375.20	375.20	336,528	264,171
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	3,637.70	3,637.70	3,637.70	4,282,849	3,361,993
Unrefrigerated Warehouse-No Rail	39.90	39.90	39.90	88,307	69,320
Total	12,259.84	12,259.84	12,259.84	10,447,366	8,201,076

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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
Automobile Care Center	6.60	5.50	6.40	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	6.60	5.50	6.40	0.80	80.20	19.00	14	21	65
Fast Food Restaurant w/o Drive	6.60	5.50	6.40	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	6.60	5.50	6.40	2.20	78.80	19.00	29	21	50
Gasoline/Service Station	6.60	5.50	6.40	2.00	79.00	19.00	14	27	59
High Turnover (Sit Down	6.60	5.50	6.40	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Strip Mall	6.60	5.50	6.40	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	6.60	5.50	6.40	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Convenience Market with Gas Pumps	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Fast Food Restaurant w/o Drive Thru	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Fast Food Restaurant with Drive Thru	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Gasoline/Service Station	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
High Turnover (Sit Down Restaurant)	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Other Asphalt Surfaces	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Parking Lot	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Strip Mall	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Unrefrigerated Warehouse-No Rail	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474

**5.0 Energy Detail**

Historical Energy Use: N

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577
NaturalGas Unmitigated	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 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					
Automobile Care Center	257.496	2.7800e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2937	30.2937	5.8000e-004	5.6000e-004	30.4737
Convenience Market with Gas Pumps	9.05067	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0648	1.0648	2.0000e-005	2.0000e-005	1.0711
Fast Food Restaurant w/o Drive Thru	3407.18	0.0367	0.3340	0.2806	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.8445	400.8445	7.6800e-003	7.3500e-003	403.2265
Fast Food Restaurant with Drive Thru	10647.4	0.1148	1.0439	0.8769	6.2600e-003		0.0793	0.0793		0.0793	0.0793		1,252.6390	1,252.6390	0.0240	0.0230	1,260.0828
Gasoline/Service Station	30.3774	3.3000e-004	2.9800e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5738	3.5738	7.0000e-005	7.0000e-005	3.5951
High Turnover (Sit Down Restaurant)	2839.32	0.0306	0.2784	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212		334.0371	334.0371	6.4000e-003	6.1200e-003	336.0221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	352.603	3.8000e-003	0.0346	0.0290	2.1000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003		41.4827	41.4827	8.0000e-004	7.6000e-004	41.7292
Unrefrigerated Warehouse-No Rail	372.274	4.0100e-003	0.0365	0.0307	2.2000e-004		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003		43.7969	43.7969	8.4000e-004	8.0000e-004	44.0572
<b>Total</b>		<b>0.1932</b>	<b>1.7565</b>	<b>1.4754</b>	<b>0.0105</b>		<b>0.1335</b>	<b>0.1335</b>		<b>0.1335</b>	<b>0.1335</b>		<b>2,107.7325</b>	<b>2,107.7325</b>	<b>0.0404</b>	<b>0.0387</b>	<b>2,120.2577</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	0.257496	2.7800e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2937	30.2937	5.8000e-004	5.6000e-004	30.4737
Convenience Market with Gas Pumps	0.00905067	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0648	1.0648	2.0000e-005	2.0000e-005	1.0711
Fast Food Restaurant w/o Drive Thru	3.40718	0.0367	0.3340	0.2806	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.8445	400.8445	7.6800e-003	7.3500e-003	403.2265
Fast Food Restaurant with Drive Thru	10.6474	0.1148	1.0439	0.8769	6.2600e-003		0.0793	0.0793		0.0793	0.0793		1,252.6390	1,252.6390	0.0240	0.0230	1,260.0828
Gasoline/Service Station	0.0303774	3.3000e-004	2.9800e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5738	3.5738	7.0000e-005	7.0000e-005	3.5951
High Turnover (Sit Down Restaurant)	2.83932	0.0306	0.2784	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212		334.0371	334.0371	6.4000e-003	6.1200e-003	336.0221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.352603	3.8000e-003	0.0346	0.0290	2.1000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003		41.4827	41.4827	8.0000e-004	7.6000e-004	41.7292
Unrefrigerated Warehouse-No Rail	0.372274	4.0100e-003	0.0365	0.0307	2.2000e-004		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003		43.7969	43.7969	8.4000e-004	8.0000e-004	44.0572
<b>Total</b>		<b>0.1932</b>	<b>1.7565</b>	<b>1.4754</b>	<b>0.0105</b>		<b>0.1335</b>	<b>0.1335</b>		<b>0.1335</b>	<b>0.1335</b>		<b>2,107.7325</b>	<b>2,107.7325</b>	<b>0.0404</b>	<b>0.0387</b>	<b>2,120.2577</b>

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

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	3.0530	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
Unmitigated	3.7546	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.8770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8800e-003	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
<b>Total</b>	<b>3.7546</b>	<b>2.8000e-004</b>	<b>0.0313</b>	<b>0.0000</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>0.0673</b>	<b>0.0673</b>	<b>1.8000e-004</b>		<b>0.0717</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8800e-003	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
<b>Total</b>	<b>3.0530</b>	<b>2.8000e-004</b>	<b>0.0313</b>	<b>0.0000</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>0.0673</b>	<b>0.0673</b>	<b>1.8000e-004</b>		<b>0.0717</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

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**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**

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## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Richards Ranch Commercial****Santa Barbara-North of Santa Ynez County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	39.50	1000sqft	2.00	39,500.00	0
Other Asphalt Surfaces	2.70	Acre	2.70	117,612.00	0
Parking Lot	163.90	1000sqft	3.76	163,900.00	0
Fast Food Restaurant w/o Drive Thru	6.00	1000sqft	1.86	6,000.00	0
Fast Food Restaurant with Drive Thru	18.75	1000sqft	2.33	18,750.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Automobile Care Center	3.59	1000sqft	0.08	3,590.00	0
Convenience Market with Gas Pumps	10.00	Pump	0.03	1,411.75	0
Gasoline/Service Station	3.00	Pump	0.01	423.52	0
Strip Mall	55.00	1000sqft	3.47	55,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2027
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	152.51	<b>CH4 Intensity (lb/MW hr)</b>	0.025	<b>N2O Intensity (lb/MW hr)</b>	0.003

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

Project Characteristics - Intensity Factors have been adjusted to reflect PG&E's renewable portfolio for 2027.

Land Use -

Construction Phase - Building and Arch Coating are based on construction schedule

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Architectural Coating - Low VOC Paints

Vehicle Trips - Trip rate is based on traffic study with a 30% internal trip reduction applied, trip length is default.

Area Coating - Low VOC

Construction Off-road Equipment Mitigation - Tier 4 water exposed area

Mobile Land Use Mitigation - Project will improve pedestrian network and is located 0.14 miles away from bus stop.

Area Mitigation - Low VOC paints

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	587.00
tblConstructionPhase	NumDays	300.00	557.00
tblConstructionPhase	NumDays	30.00	20.00
tblLandUse	LotAcreage	0.91	2.00
tblLandUse	LotAcreage	0.14	1.86
tblLandUse	LotAcreage	0.43	2.33
tblLandUse	LotAcreage	1.26	3.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	ST_TR	23.72	48.55
tblVehicleTrips	ST_TR	322.50	140.56
tblVehicleTrips	ST_TR	696.00	67.90
tblVehicleTrips	ST_TR	616.12	327.24
tblVehicleTrips	ST_TR	182.17	28.00



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	ST_TR	122.40	75.04
tblVehicleTrips	ST_TR	42.04	66.14
tblVehicleTrips	ST_TR	1.74	1.01
tblVehicleTrips	SU_TR	11.88	48.55
tblVehicleTrips	SU_TR	322.50	140.56
tblVehicleTrips	SU_TR	500.00	67.90
tblVehicleTrips	SU_TR	472.58	327.24
tblVehicleTrips	SU_TR	166.88	28.00
tblVehicleTrips	SU_TR	142.64	75.04
tblVehicleTrips	SU_TR	20.43	66.14
tblVehicleTrips	SU_TR	1.74	1.01
tblVehicleTrips	WD_TR	23.72	48.55
tblVehicleTrips	WD_TR	322.50	140.56
tblVehicleTrips	WD_TR	346.23	67.90
tblVehicleTrips	WD_TR	470.95	327.24
tblVehicleTrips	WD_TR	172.01	28.00
tblVehicleTrips	WD_TR	112.18	75.04
tblVehicleTrips	WD_TR	44.32	66.14
tblVehicleTrips	WD_TR	1.74	1.01

**2.0 Emissions Summary**

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## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	9.5325	27.5806	37.5100	0.0756	19.7707	1.2299	21.0006	10.1326	1.1315	11.2641	0.0000	7,485.044 7	7,485.044 7	1.4290	0.2275	7,588.566 2
2025	9.3111	25.4920	37.0970	0.0750	1.7550	1.0215	2.7765	0.4745	0.9555	1.4300	0.0000	7,435.683 8	7,435.683 8	1.4235	0.2221	7,537.458 3
2026	7.4873	16.8001	21.9923	0.0509	1.6603	0.6017	2.2620	0.4494	0.5692	1.0186	0.0000	5,103.835 6	5,103.835 6	0.7064	0.2149	5,185.543 7
Maximum	9.5325	27.5806	37.5100	0.0756	19.7707	1.2299	21.0006	10.1326	1.1315	11.2641	0.0000	7,485.044 7	7,485.044 7	1.4290	0.2275	7,588.566 2

**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					
2024	7.5300	6.9723	41.4956	0.0756	7.7799	0.1068	7.8425	3.9701	0.1055	4.0327	0.0000	7,485.044 7	7,485.044 7	1.4290	0.2275	7,588.566 2
2025	7.4957	6.8740	41.2136	0.0750	1.7550	0.1061	1.8611	0.4745	0.1048	0.5793	0.0000	7,435.683 8	7,435.683 8	1.4235	0.2221	7,537.458 3
2026	6.3065	5.5484	23.3912	0.0509	1.6603	0.0674	1.7277	0.4494	0.0662	0.5156	0.0000	5,103.835 6	5,103.835 6	0.7064	0.2149	5,185.543 7
Maximum	7.5300	6.9723	41.4956	0.0756	7.7799	0.1068	7.8425	3.9701	0.1055	4.0327	0.0000	7,485.044 7	7,485.044 7	1.4290	0.2275	7,588.566 2

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	18.98	72.24	-9.84	0.00	51.72	90.18	56.10	55.74	89.59	62.61	0.00	0.00	0.00	0.00	0.00	0.00

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	3.7546	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
Energy	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577
Mobile	22.0101	16.9543	124.7387	0.1988	22.1123	0.1714	22.2836	5.9096	0.1599	6.0695		21,013.9151	21,013.9151	2.0997	1.3756	21,476.3249
<b>Total</b>	<b>25.9579</b>	<b>18.7110</b>	<b>126.2454</b>	<b>0.2093</b>	<b>22.1123</b>	<b>0.3050</b>	<b>22.4172</b>	<b>5.9096</b>	<b>0.2935</b>	<b>6.2031</b>		<b>23,121.7149</b>	<b>23,121.7149</b>	<b>2.1403</b>	<b>1.4142</b>	<b>23,596.6543</b>

**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	3.0530	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
Energy	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577
Mobile	21.0839	14.9123	110.1764	0.1595	17.3579	0.1443	17.5022	4.6390	0.1345	4.7735		16,861.2948	16,861.2948	1.9333	1.2213	17,273.5810
<b>Total</b>	<b>24.3301</b>	<b>16.6690</b>	<b>111.6831</b>	<b>0.1700</b>	<b>17.3579</b>	<b>0.2779</b>	<b>17.6358</b>	<b>4.6390</b>	<b>0.2681</b>	<b>4.9071</b>		<b>18,969.0946</b>	<b>18,969.0946</b>	<b>1.9739</b>	<b>1.2600</b>	<b>19,393.9103</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	6.27	10.91	11.53	18.77	21.50	8.87	21.33	21.50	8.64	20.89	0.00	17.96	17.96	7.78	10.91	17.81

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2024	1/12/2024	5	10	
2	Grading	Grading	1/13/2024	2/9/2024	5	20	
3	Building Construction	Building Construction	2/10/2024	3/31/2026	5	557	
4	Architectural Coating	Architectural Coating	4/1/2024	6/30/2026	5	587	
5	Paving	Paving	12/28/2024	1/24/2025	5	20	

**Acres of Grading (Site Preparation Phase): 15****Acres of Grading (Grading Phase): 20****Acres of Paving: 6.46****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 194,513; Non-Residential Outdoor: 64,838; Striped Parking Area: 16,891 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**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	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	167.00	67.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>19.6570</b>	<b>1.2294</b>	<b>20.8864</b>	<b>10.1025</b>	<b>1.1310</b>	<b>11.2335</b>		<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0428	0.0265	0.3230	9.1000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		94.0493	94.0493	3.1100e-003	2.8000e-003	94.9611
<b>Total</b>	<b>0.0428</b>	<b>0.0265</b>	<b>0.3230</b>	<b>9.1000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>94.0493</b>	<b>94.0493</b>	<b>3.1100e-003</b>	<b>2.8000e-003</b>	<b>94.9611</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0381</b>	<b>7.6662</b>	<b>0.0621</b>	<b>7.7283</b>	<b>3.9400</b>	<b>0.0621</b>	<b>4.0020</b>	<b>0.0000</b>	<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0428	0.0265	0.3230	9.1000e-004	0.1137	5.3000e-004	0.1142	0.0302	4.9000e-004	0.0306		94.0493	94.0493	3.1100e-003	2.8000e-003	94.9611
<b>Total</b>	<b>0.0428</b>	<b>0.0265</b>	<b>0.3230</b>	<b>9.1000e-004</b>	<b>0.1137</b>	<b>5.3000e-004</b>	<b>0.1142</b>	<b>0.0302</b>	<b>4.9000e-004</b>	<b>0.0306</b>		<b>94.0493</b>	<b>94.0493</b>	<b>3.1100e-003</b>	<b>2.8000e-003</b>	<b>94.9611</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
<b>Total</b>	<b>1.6617</b>	<b>17.0310</b>	<b>14.7594</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.7244</b>	<b>7.8070</b>	<b>3.4247</b>	<b>0.6665</b>	<b>4.0912</b>		<b>2,873.054 1</b>	<b>2,873.054 1</b>	<b>0.9292</b>		<b>2,896.284 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0357</b>	<b>0.0221</b>	<b>0.2691</b>	<b>7.6000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>78.3745</b>	<b>78.3745</b>	<b>2.5900e-003</b>	<b>2.3300e-003</b>	<b>79.1343</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
<b>Total</b>	<b>0.3632</b>	<b>1.5737</b>	<b>17.7527</b>	<b>0.0297</b>	<b>2.7622</b>	<b>0.0484</b>	<b>2.8106</b>	<b>1.3357</b>	<b>0.0484</b>	<b>1.3841</b>	<b>0.0000</b>	<b>2,873.054 1</b>	<b>2,873.054 1</b>	<b>0.9292</b>		<b>2,896.284 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0357</b>	<b>0.0221</b>	<b>0.2691</b>	<b>7.6000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>78.3745</b>	<b>78.3745</b>	<b>2.5900e-003</b>	<b>2.3300e-003</b>	<b>79.1343</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0817	3.0767	1.0498	0.0120	0.3972	0.0183	0.4156	0.1143	0.0175	0.1319		1,316.9835	1,316.9835	0.0577	0.1941	1,376.2601
Worker	0.3969	0.2460	2.9963	8.4600e-003	1.0547	4.9000e-003	1.0596	0.2798	4.5100e-003	0.2843		872.5688	872.5688	0.0288	0.0260	881.0282
<b>Total</b>	<b>0.4786</b>	<b>3.3228</b>	<b>4.0461</b>	<b>0.0205</b>	<b>1.4519</b>	<b>0.0232</b>	<b>1.4751</b>	<b>0.3941</b>	<b>0.0221</b>	<b>0.4162</b>		<b>2,189.5523</b>	<b>2,189.5523</b>	<b>0.0865</b>	<b>0.2201</b>	<b>2,257.2883</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0817	3.0767	1.0498	0.0120	0.3972	0.0183	0.4156	0.1143	0.0175	0.1319		1,316.9835	1,316.9835	0.0577	0.1941	1,376.2601
Worker	0.3969	0.2460	2.9963	8.4600e-003	1.0547	4.9000e-003	1.0596	0.2798	4.5100e-003	0.2843		872.5688	872.5688	0.0288	0.0260	881.0282
<b>Total</b>	<b>0.4786</b>	<b>3.3228</b>	<b>4.0461</b>	<b>0.0205</b>	<b>1.4519</b>	<b>0.0232</b>	<b>1.4751</b>	<b>0.3941</b>	<b>0.0221</b>	<b>0.4162</b>		<b>2,189.5523</b>	<b>2,189.5523</b>	<b>0.0865</b>	<b>0.2201</b>	<b>2,257.2883</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0783	3.0109	1.0251	0.0118	0.3972	0.0179	0.4151	0.1143	0.0171	0.1314		1,293.367 8	1,293.367 8	0.0597	0.1909	1,351.748 6
Worker	0.3729	0.2208	2.7964	8.1800e-003	1.0547	4.6800e-003	1.0594	0.2798	4.3100e-003	0.2841		852.5920	852.5920	0.0262	0.0242	860.4709
<b>Total</b>	<b>0.4512</b>	<b>3.2317</b>	<b>3.8215</b>	<b>0.0199</b>	<b>1.4519</b>	<b>0.0226</b>	<b>1.4745</b>	<b>0.3941</b>	<b>0.0214</b>	<b>0.4155</b>		<b>2,145.959 8</b>	<b>2,145.959 8</b>	<b>0.0859</b>	<b>0.2151</b>	<b>2,212.219 5</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0783	3.0109	1.0251	0.0118	0.3972	0.0179	0.4151	0.1143	0.0171	0.1314		1,293.367 8	1,293.367 8	0.0597	0.1909	1,351.748 6
Worker	0.3729	0.2208	2.7964	8.1800e-003	1.0547	4.6800e-003	1.0594	0.2798	4.3100e-003	0.2841		852.5920	852.5920	0.0262	0.0242	860.4709
<b>Total</b>	<b>0.4512</b>	<b>3.2317</b>	<b>3.8215</b>	<b>0.0199</b>	<b>1.4519</b>	<b>0.0226</b>	<b>1.4745</b>	<b>0.3941</b>	<b>0.0214</b>	<b>0.4155</b>		<b>2,145.959 8</b>	<b>2,145.959 8</b>	<b>0.0859</b>	<b>0.2151</b>	<b>2,212.219 5</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0752	2.9460	1.0049	0.0115	0.3972	0.0174	0.4146	0.1143	0.0167	0.1310		1,269.723 7	1,269.723 7	0.0616	0.1877	1,327.194 9
Worker	0.3513	0.1995	2.5832	7.9200e-003	1.0547	4.3600e-003	1.0590	0.2798	4.0100e-003	0.2838		831.8182	831.8182	0.0238	0.0227	839.1908
<b>Total</b>	<b>0.4265</b>	<b>3.1455</b>	<b>3.5881</b>	<b>0.0194</b>	<b>1.4519</b>	<b>0.0218</b>	<b>1.4736</b>	<b>0.3941</b>	<b>0.0207</b>	<b>0.4148</b>		<b>2,101.541 9</b>	<b>2,101.541 9</b>	<b>0.0854</b>	<b>0.2104</b>	<b>2,166.385 7</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****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	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0270</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0752	2.9460	1.0049	0.0115	0.3972	0.0174	0.4146	0.1143	0.0167	0.1310		1,269.723 7	1,269.723 7	0.0616	0.1877	1,327.194 9
Worker	0.3513	0.1995	2.5832	7.9200e-003	1.0547	4.3600e-003	1.0590	0.2798	4.0100e-003	0.2838		831.8182	831.8182	0.0238	0.0227	839.1908
<b>Total</b>	<b>0.4265</b>	<b>3.1455</b>	<b>3.5881</b>	<b>0.0194</b>	<b>1.4519</b>	<b>0.0218</b>	<b>1.4736</b>	<b>0.3941</b>	<b>0.0207</b>	<b>0.4148</b>		<b>2,101.541 9</b>	<b>2,101.541 9</b>	<b>0.0854</b>	<b>0.2104</b>	<b>2,166.385 7</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.6338</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0784	0.0486	0.5921	1.6700e-003	0.2084	9.7000e-004	0.2094	0.0553	8.9000e-004	0.0562		172.4238	172.4238	5.7000e-003	5.1300e-003	174.0954
<b>Total</b>	<b>0.0784</b>	<b>0.0486</b>	<b>0.5921</b>	<b>1.6700e-003</b>	<b>0.2084</b>	<b>9.7000e-004</b>	<b>0.2094</b>	<b>0.0553</b>	<b>8.9000e-004</b>	<b>0.0562</b>		<b>172.4238</b>	<b>172.4238</b>	<b>5.7000e-003</b>	<b>5.1300e-003</b>	<b>174.0954</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****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	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.4828</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0784	0.0486	0.5921	1.6700e-003	0.2084	9.7000e-004	0.2094	0.0553	8.9000e-004	0.0562		172.4238	172.4238	5.7000e-003	5.1300e-003	174.0954
<b>Total</b>	<b>0.0784</b>	<b>0.0486</b>	<b>0.5921</b>	<b>1.6700e-003</b>	<b>0.2084</b>	<b>9.7000e-004</b>	<b>0.2094</b>	<b>0.0553</b>	<b>8.9000e-004</b>	<b>0.0562</b>		<b>172.4238</b>	<b>172.4238</b>	<b>5.7000e-003</b>	<b>5.1300e-003</b>	<b>174.0954</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.6239</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0436	0.5526	1.6200e-003	0.2084	9.2000e-004	0.2093	0.0553	8.5000e-004	0.0561		168.4763	168.4763	5.1800e-003	4.7900e-003	170.0332
<b>Total</b>	<b>0.0737</b>	<b>0.0436</b>	<b>0.5526</b>	<b>1.6200e-003</b>	<b>0.2084</b>	<b>9.2000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>8.5000e-004</b>	<b>0.0561</b>		<b>168.4763</b>	<b>168.4763</b>	<b>5.1800e-003</b>	<b>4.7900e-003</b>	<b>170.0332</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****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	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.4828</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0436	0.5526	1.6200e-003	0.2084	9.2000e-004	0.2093	0.0553	8.5000e-004	0.0561		168.4763	168.4763	5.1800e-003	4.7900e-003	170.0332
<b>Total</b>	<b>0.0737</b>	<b>0.0436</b>	<b>0.5526</b>	<b>1.6200e-003</b>	<b>0.2084</b>	<b>9.2000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>8.5000e-004</b>	<b>0.0561</b>		<b>168.4763</b>	<b>168.4763</b>	<b>5.1800e-003</b>	<b>4.7900e-003</b>	<b>170.0332</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.6239</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0394	0.5105	1.5600e-003	0.2084	8.6000e-004	0.2093	0.0553	7.9000e-004	0.0561		164.3713	164.3713	4.7000e-003	4.4900e-003	165.8281
<b>Total</b>	<b>0.0694</b>	<b>0.0394</b>	<b>0.5105</b>	<b>1.5600e-003</b>	<b>0.2084</b>	<b>8.6000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>7.9000e-004</b>	<b>0.0561</b>		<b>164.3713</b>	<b>164.3713</b>	<b>4.7000e-003</b>	<b>4.4900e-003</b>	<b>165.8281</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****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	5.4531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.4828</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0394	0.5105	1.5600e-003	0.2084	8.6000e-004	0.2093	0.0553	7.9000e-004	0.0561		164.3713	164.3713	4.7000e-003	4.4900e-003	165.8281
<b>Total</b>	<b>0.0694</b>	<b>0.0394</b>	<b>0.5105</b>	<b>1.5600e-003</b>	<b>0.2084</b>	<b>8.6000e-004</b>	<b>0.2093</b>	<b>0.0553</b>	<b>7.9000e-004</b>	<b>0.0561</b>		<b>164.3713</b>	<b>164.3713</b>	<b>4.7000e-003</b>	<b>4.4900e-003</b>	<b>165.8281</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8344</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0357</b>	<b>0.0221</b>	<b>0.2691</b>	<b>7.6000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>78.3745</b>	<b>78.3745</b>	<b>2.5900e-003</b>	<b>2.3300e-003</b>	<b>79.1343</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1267</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0357</b>	<b>0.0221</b>	<b>0.2691</b>	<b>7.6000e-004</b>	<b>0.0947</b>	<b>4.4000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.1000e-004</b>	<b>0.0255</b>		<b>78.3745</b>	<b>78.3745</b>	<b>2.5900e-003</b>	<b>2.3300e-003</b>	<b>79.1343</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7614</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0335	0.0198	0.2512	7.4000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		76.5801	76.5801	2.3600e-003	2.1800e-003	77.2878
<b>Total</b>	<b>0.0335</b>	<b>0.0198</b>	<b>0.2512</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.2000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>3.9000e-004</b>	<b>0.0255</b>		<b>76.5801</b>	<b>76.5801</b>	<b>2.3600e-003</b>	<b>2.1800e-003</b>	<b>77.2878</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.8463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1267</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0335	0.0198	0.2512	7.4000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		76.5801	76.5801	2.3600e-003	2.1800e-003	77.2878
<b>Total</b>	<b>0.0335</b>	<b>0.0198</b>	<b>0.2512</b>	<b>7.4000e-004</b>	<b>0.0947</b>	<b>4.2000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>3.9000e-004</b>	<b>0.0255</b>		<b>76.5801</b>	<b>76.5801</b>	<b>2.3600e-003</b>	<b>2.1800e-003</b>	<b>77.2878</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive 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	21.0839	14.9123	110.1764	0.1595	17.3579	0.1443	17.5022	4.6390	0.1345	4.7735		16,861.29 48	16,861.29 48	1.9333	1.2213	17,273.58 10
Unmitigated	22.0101	16.9543	124.7387	0.1988	22.1123	0.1714	22.2836	5.9096	0.1599	6.0695		21,013.91 51	21,013.91 51	2.0997	1.3756	21,476.32 49

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	174.29	174.29	174.29	130,977	102,816
Convenience Market with Gas Pumps	1,405.60	1,405.60	1,405.60	592,662	465,234
Fast Food Restaurant w/o Drive Thru	407.40	407.40	407.40	509,940	400,298
Fast Food Restaurant with Drive Thru	6,135.75	6,135.75	6,135.75	4,468,179	3,507,475
Gasoline/Service Station	84.00	84.00	84.00	37,923	29,769
High Turnover (Sit Down Restaurant)	375.20	375.20	375.20	336,528	264,171
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	3,637.70	3,637.70	3,637.70	4,282,849	3,361,993
Unrefrigerated Warehouse-No Rail	39.90	39.90	39.90	88,307	69,320
Total	12,259.84	12,259.84	12,259.84	10,447,366	8,201,076

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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
Automobile Care Center	6.60	5.50	6.40	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	6.60	5.50	6.40	0.80	80.20	19.00	14	21	65
Fast Food Restaurant w/o Drive Thru	6.60	5.50	6.40	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive Thru	6.60	5.50	6.40	2.20	78.80	19.00	29	21	50
Gasoline/Service Station	6.60	5.50	6.40	2.00	79.00	19.00	14	27	59
High Turnover (Sit Down Restaurant)	6.60	5.50	6.40	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Strip Mall	6.60	5.50	6.40	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No Rail	6.60	5.50	6.40	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Convenience Market with Gas Pumps	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Fast Food Restaurant w/o Drive Thru	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Fast Food Restaurant with Drive Thru	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Gasoline/Service Station	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
High Turnover (Sit Down Restaurant)	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Other Asphalt Surfaces	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Parking Lot	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Strip Mall	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Unrefrigerated Warehouse-No Rail	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474

**5.0 Energy Detail**

Historical Energy Use: N

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577
NaturalGas Unmitigated	0.1932	1.7564	1.4754	0.0105		0.1335	0.1335		0.1335	0.1335		2,107.7325	2,107.7325	0.0404	0.0386	2,120.2577

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 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					
Automobile Care Center	257.496	2.7800e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2937	30.2937	5.8000e-004	5.6000e-004	30.4737
Convenience Market with Gas Pumps	9.05067	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0648	1.0648	2.0000e-005	2.0000e-005	1.0711
Fast Food Restaurant w/o Drive Thru	3407.18	0.0367	0.3340	0.2806	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.8445	400.8445	7.6800e-003	7.3500e-003	403.2265
Fast Food Restaurant with Drive Thru	10647.4	0.1148	1.0439	0.8769	6.2600e-003		0.0793	0.0793		0.0793	0.0793		1,252.6390	1,252.6390	0.0240	0.0230	1,260.0828
Gasoline/Service Station	30.3774	3.3000e-004	2.9800e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5738	3.5738	7.0000e-005	7.0000e-005	3.5951
High Turnover (Sit Down Restaurant)	2839.32	0.0306	0.2784	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212		334.0371	334.0371	6.4000e-003	6.1200e-003	336.0221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	352.603	3.8000e-003	0.0346	0.0290	2.1000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003		41.4827	41.4827	8.0000e-004	7.6000e-004	41.7292
Unrefrigerated Warehouse-No Rail	372.274	4.0100e-003	0.0365	0.0307	2.2000e-004		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003		43.7969	43.7969	8.4000e-004	8.0000e-004	44.0572
<b>Total</b>		<b>0.1932</b>	<b>1.7565</b>	<b>1.4754</b>	<b>0.0105</b>		<b>0.1335</b>	<b>0.1335</b>		<b>0.1335</b>	<b>0.1335</b>		<b>2,107.7325</b>	<b>2,107.7325</b>	<b>0.0404</b>	<b>0.0387</b>	<b>2,120.2577</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas s 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					
Automobile Care Center	0.257496	2.7800e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2937	30.2937	5.8000e-004	5.6000e-004	30.4737
Convenience Market with Gas Pumps	0.00905067	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0648	1.0648	2.0000e-005	2.0000e-005	1.0711
Fast Food Restaurant w/o Drive Thru	3.40718	0.0367	0.3340	0.2806	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.8445	400.8445	7.6800e-003	7.3500e-003	403.2265
Fast Food Restaurant with Drive Thru	10.6474	0.1148	1.0439	0.8769	6.2600e-003		0.0793	0.0793		0.0793	0.0793		1,252.6390	1,252.6390	0.0240	0.0230	1,260.0828
Gasoline/Service Station	0.0303774	3.3000e-004	2.9800e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5738	3.5738	7.0000e-005	7.0000e-005	3.5951
High Turnover (Sit Down Restaurant)	2.83932	0.0306	0.2784	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212		334.0371	334.0371	6.4000e-003	6.1200e-003	336.0221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.352603	3.8000e-003	0.0346	0.0290	2.1000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003		41.4827	41.4827	8.0000e-004	7.6000e-004	41.7292
Unrefrigerated Warehouse-No Rail	0.372274	4.0100e-003	0.0365	0.0307	2.2000e-004		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003		43.7969	43.7969	8.4000e-004	8.0000e-004	44.0572
<b>Total</b>		<b>0.1932</b>	<b>1.7565</b>	<b>1.4754</b>	<b>0.0105</b>		<b>0.1335</b>	<b>0.1335</b>		<b>0.1335</b>	<b>0.1335</b>		<b>2,107.7325</b>	<b>2,107.7325</b>	<b>0.0404</b>	<b>0.0387</b>	<b>2,120.2577</b>

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

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	3.0530	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
Unmitigated	3.7546	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.8770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8800e-003	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
<b>Total</b>	<b>3.7546</b>	<b>2.8000e-004</b>	<b>0.0313</b>	<b>0.0000</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>0.0673</b>	<b>0.0673</b>	<b>1.8000e-004</b>		<b>0.0717</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8800e-003	2.8000e-004	0.0313	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0673	0.0673	1.8000e-004		0.0717
<b>Total</b>	<b>3.0530</b>	<b>2.8000e-004</b>	<b>0.0313</b>	<b>0.0000</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>0.0673</b>	<b>0.0673</b>	<b>1.8000e-004</b>		<b>0.0717</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

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**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**

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## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Richards Ranch Commercial**  
**Santa Barbara-North of Santa Ynez County, Annual**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	39.50	1000sqft	2.00	39,500.00	0
Other Asphalt Surfaces	2.70	Acre	2.70	117,612.00	0
Parking Lot	163.90	1000sqft	3.76	163,900.00	0
Fast Food Restaurant w/o Drive Thru	6.00	1000sqft	1.86	6,000.00	0
Fast Food Restaurant with Drive Thru	18.75	1000sqft	2.33	18,750.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Automobile Care Center	3.59	1000sqft	0.08	3,590.00	0
Convenience Market with Gas Pumps	10.00	Pump	0.03	1,411.75	0
Gasoline/Service Station	3.00	Pump	0.01	423.52	0
Strip Mall	55.00	1000sqft	3.47	55,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2027
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	152.51	<b>CH4 Intensity (lb/MW hr)</b>	0.025	<b>N2O Intensity (lb/MW hr)</b>	0.003

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

Project Characteristics - Intensity Factors have been adjusted to reflect PG&E's renewable portfolio for 2027.

Land Use -

Construction Phase - Building and Arch Coating are based on construction schedule

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Architectural Coating - Low VOC Paints

Vehicle Trips - Trip rate is based on traffic study with a 30% internal trip reduction applied, trip length is default.

Area Coating - Low VOC

Construction Off-road Equipment Mitigation - Tier 4 water exposed area

Mobile Land Use Mitigation - Project will improve pedestrian network and is located 0.14 miles away from bus stop.

Area Mitigation - Low VOC paints

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	587.00
tblConstructionPhase	NumDays	300.00	557.00
tblConstructionPhase	NumDays	30.00	20.00
tblLandUse	LotAcreage	0.91	2.00
tblLandUse	LotAcreage	0.14	1.86
tblLandUse	LotAcreage	0.43	2.33
tblLandUse	LotAcreage	1.26	3.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	ST_TR	23.72	48.55
tblVehicleTrips	ST_TR	322.50	140.56
tblVehicleTrips	ST_TR	696.00	67.90
tblVehicleTrips	ST_TR	616.12	327.24
tblVehicleTrips	ST_TR	182.17	28.00

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	ST_TR	122.40	75.04
tblVehicleTrips	ST_TR	42.04	66.14
tblVehicleTrips	ST_TR	1.74	1.01
tblVehicleTrips	SU_TR	11.88	48.55
tblVehicleTrips	SU_TR	322.50	140.56
tblVehicleTrips	SU_TR	500.00	67.90
tblVehicleTrips	SU_TR	472.58	327.24
tblVehicleTrips	SU_TR	166.88	28.00
tblVehicleTrips	SU_TR	142.64	75.04
tblVehicleTrips	SU_TR	20.43	66.14
tblVehicleTrips	SU_TR	1.74	1.01
tblVehicleTrips	WD_TR	23.72	48.55
tblVehicleTrips	WD_TR	322.50	140.56
tblVehicleTrips	WD_TR	346.23	67.90
tblVehicleTrips	WD_TR	470.95	327.24
tblVehicleTrips	WD_TR	172.01	28.00
tblVehicleTrips	WD_TR	112.18	75.04
tblVehicleTrips	WD_TR	44.32	66.14
tblVehicleTrips	WD_TR	1.74	1.01

**2.0 Emissions Summary**

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## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	0.8220	2.4022	2.8479	6.4600e-003	0.3557	0.0938	0.4495	0.1354	0.0883	0.2237	0.0000	583.9005	583.9005	0.0894	0.0239	593.2622
2025	0.9978	2.2993	3.0489	6.9100e-003	0.2129	0.0824	0.2953	0.0578	0.0779	0.1356	0.0000	626.3637	626.3637	0.0898	0.0263	636.4583
2026	0.4249	0.5804	0.7819	1.7700e-003	0.0586	0.0210	0.0796	0.0159	0.0199	0.0358	0.0000	160.6801	160.6801	0.0212	6.4500e-003	163.1301
<b>Maximum</b>	<b>0.9978</b>	<b>2.4022</b>	<b>3.0489</b>	<b>6.9100e-003</b>	<b>0.3557</b>	<b>0.0938</b>	<b>0.4495</b>	<b>0.1354</b>	<b>0.0883</b>	<b>0.2237</b>	<b>0.0000</b>	<b>626.3637</b>	<b>626.3637</b>	<b>0.0898</b>	<b>0.0263</b>	<b>636.4583</b>

**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					
2024	0.6497	0.7059	3.0454	6.4600e-003	0.2525	8.7600e-003	0.2613	0.0837	8.6100e-003	0.0923	0.0000	583.9001	583.9001	0.0894	0.0239	593.2618
2025	0.8380	0.7646	3.2559	6.9100e-003	0.2129	9.2500e-003	0.2222	0.0578	9.0900e-003	0.0668	0.0000	626.3633	626.3633	0.0898	0.0263	636.4578
2026	0.3825	0.1873	0.8274	1.7700e-003	0.0586	2.3100e-003	0.0610	0.0159	2.2700e-003	0.0181	0.0000	160.6800	160.6800	0.0212	6.4500e-003	163.1300
<b>Maximum</b>	<b>0.8380</b>	<b>0.7646</b>	<b>3.2559</b>	<b>6.9100e-003</b>	<b>0.2525</b>	<b>9.2500e-003</b>	<b>0.2613</b>	<b>0.0837</b>	<b>9.0900e-003</b>	<b>0.0923</b>	<b>0.0000</b>	<b>626.3633</b>	<b>626.3633</b>	<b>0.0898</b>	<b>0.0263</b>	<b>636.4578</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	16.68	68.61	-6.74	0.00	16.45	89.69	33.96	24.74	89.27	55.14	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.6597	0.1499
2	4-1-2024	6-30-2024	0.8351	0.3933
3	7-1-2024	9-30-2024	0.8443	0.3977
4	10-1-2024	12-31-2024	0.8665	0.4070
5	1-1-2025	3-31-2025	0.8792	0.4110
6	4-1-2025	6-30-2025	0.7932	0.3892
7	7-1-2025	9-30-2025	0.8019	0.3934
8	10-1-2025	12-31-2025	0.8076	0.3991
9	1-1-2026	3-31-2026	0.7860	0.3864
10	4-1-2026	6-30-2026	0.2235	0.1859
		Highest	0.8792	0.4110

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.6850	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
Energy	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	471.4926	471.4926	0.0268	8.8100e-003	474.7868
Mobile	3.8361	3.2986	24.6704	0.0357	3.9369	0.0312	3.9681	1.0541	0.0291	1.0832	0.0000	3,420.7224	3,420.7224	0.3738	0.2377	3,500.9057
Waste						0.0000	0.0000		0.0000	0.0000	94.4453	0.0000	94.4453	4.6832	0.0000	211.5263
Water						0.0000	0.0000		0.0000	0.0000	8.0386	9.3204	17.3591	0.0292	0.0177	23.3530
<b>Total</b>	<b>4.5563</b>	<b>3.6192</b>	<b>24.9425</b>	<b>0.0376</b>	<b>3.9369</b>	<b>0.0555</b>	<b>3.9925</b>	<b>1.0541</b>	<b>0.0535</b>	<b>1.1075</b>	<b>102.4839</b>	<b>3,901.5410</b>	<b>4,004.0249</b>	<b>5.1130</b>	<b>0.2642</b>	<b>4,210.5776</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.5569	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
Energy	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	471.4926	471.4926	0.0268	8.8100e-003	474.7868
Mobile	3.6620	2.8995	21.9742	0.0286	3.0904	0.0263	3.1167	0.8274	0.0245	0.8519	0.0000	2,746.2174	2,746.2174	0.3459	0.2112	2,817.7973
Waste						0.0000	0.0000		0.0000	0.0000	47.2227	0.0000	47.2227	2.3416	0.0000	105.7631
Water						0.0000	0.0000		0.0000	0.0000	6.7846	7.9439	14.7285	0.0247	0.0149	19.7882
<b>Total</b>	<b>4.2542</b>	<b>3.2201</b>	<b>22.2462</b>	<b>0.0306</b>	<b>3.0904</b>	<b>0.0506</b>	<b>3.1411</b>	<b>0.8274</b>	<b>0.0489</b>	<b>0.8763</b>	<b>54.0072</b>	<b>3,225.6594</b>	<b>3,279.6667</b>	<b>2.7390</b>	<b>0.2349</b>	<b>3,418.1412</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>6.63</b>	<b>11.03</b>	<b>10.81</b>	<b>18.73</b>	<b>21.50</b>	<b>8.86</b>	<b>21.32</b>	<b>21.50</b>	<b>8.62</b>	<b>20.88</b>	<b>47.30</b>	<b>17.32</b>	<b>18.09</b>	<b>46.43</b>	<b>11.08</b>	<b>18.82</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2024	1/12/2024	5	10	
2	Grading	Grading	1/13/2024	2/9/2024	5	20	
3	Building Construction	Building Construction	2/10/2024	3/31/2026	5	557	

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

4	Architectural Coating	Architectural Coating	4/1/2024	6/30/2026	5	587
5	Paving	Paving	12/28/2024	1/24/2025	5	20

**Acres of Grading (Site Preparation Phase): 15****Acres of Grading (Grading Phase): 20****Acres of Paving: 6.46****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 194,513; Non-Residential Outdoor: 64,838; Striped Parking Area: 16,891 (Architectural Coating – sqft)****OffRoad Equipment**

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

**Trips and VMT**

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	167.00	67.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1359	0.0917	1.9000e-004		6.1500e-003	6.1500e-003		5.6600e-003	5.6600e-003	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
<b>Total</b>	<b>0.0133</b>	<b>0.1359</b>	<b>0.0917</b>	<b>1.9000e-004</b>	<b>0.0983</b>	<b>6.1500e-003</b>	<b>0.1044</b>	<b>0.0505</b>	<b>5.6600e-003</b>	<b>0.0562</b>	<b>0.0000</b>	<b>16.7285</b>	<b>16.7285</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8638</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.6400e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4184	0.4184	2.0000e-005	1.0000e-005	0.4228
<b>Total</b>	<b>2.2000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.4184</b>	<b>0.4184</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4228</b>

**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					0.0383	0.0000	0.0383	0.0197	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
<b>Total</b>	<b>2.3300e-003</b>	<b>0.0101</b>	<b>0.1043</b>	<b>1.9000e-004</b>	<b>0.0383</b>	<b>3.1000e-004</b>	<b>0.0386</b>	<b>0.0197</b>	<b>3.1000e-004</b>	<b>0.0200</b>	<b>0.0000</b>	<b>16.7285</b>	<b>16.7285</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8638</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.6400e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4184	0.4184	2.0000e-005	1.0000e-005	0.4228
<b>Total</b>	<b>2.2000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.4184</b>	<b>0.4184</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4228</b>

**3.3 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.1703	0.1476	3.0000e-004		7.2400e-003	7.2400e-003		6.6600e-003	6.6600e-003	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2747
<b>Total</b>	<b>0.0166</b>	<b>0.1703</b>	<b>0.1476</b>	<b>3.0000e-004</b>	<b>0.0708</b>	<b>7.2400e-003</b>	<b>0.0781</b>	<b>0.0343</b>	<b>6.6600e-003</b>	<b>0.0409</b>	<b>0.0000</b>	<b>26.0639</b>	<b>26.0639</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2747</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.5000e-004	2.7300e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.6973	0.6973	3.0000e-005	2.0000e-005	0.7047
<b>Total</b>	<b>3.6000e-004</b>	<b>2.5000e-004</b>	<b>2.7300e-003</b>	<b>1.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>9.3000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.6973</b>	<b>0.6973</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7047</b>

**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					0.0276	0.0000	0.0276	0.0134	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6300e-003	0.0157	0.1775	3.0000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2746
<b>Total</b>	<b>3.6300e-003</b>	<b>0.0157</b>	<b>0.1775</b>	<b>3.0000e-004</b>	<b>0.0276</b>	<b>4.8000e-004</b>	<b>0.0281</b>	<b>0.0134</b>	<b>4.8000e-004</b>	<b>0.0138</b>	<b>0.0000</b>	<b>26.0639</b>	<b>26.0639</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2746</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.5000e-004	2.7300e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.6973	0.6973	3.0000e-005	2.0000e-005	0.7047
<b>Total</b>	<b>3.6000e-004</b>	<b>2.5000e-004</b>	<b>2.7300e-003</b>	<b>1.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>9.3000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.6973</b>	<b>0.6973</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7047</b>

**3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1707	1.5595	1.8754	3.1300e-003		0.0711	0.0711		0.0669	0.0669	0.0000	268.9450	268.9450	0.0636	0.0000	270.5349
<b>Total</b>	<b>0.1707</b>	<b>1.5595</b>	<b>1.8754</b>	<b>3.1300e-003</b>		<b>0.0711</b>	<b>0.0711</b>		<b>0.0669</b>	<b>0.0669</b>	<b>0.0000</b>	<b>268.9450</b>	<b>268.9450</b>	<b>0.0636</b>	<b>0.0000</b>	<b>270.5349</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.3900e-003	0.3694	0.1235	1.3900e-003	0.0452	2.1300e-003	0.0474	0.0131	2.0400e-003	0.0151	0.0000	138.6644	138.6644	6.0600e-003	0.0205	144.9104
Worker	0.0467	0.0318	0.3530	9.6000e-004	0.1197	5.7000e-004	0.1202	0.0318	5.2000e-004	0.0323	0.0000	90.0511	90.0511	3.2300e-003	2.9300e-003	91.0064
<b>Total</b>	<b>0.0561</b>	<b>0.4012</b>	<b>0.4765</b>	<b>2.3500e-003</b>	<b>0.1649</b>	<b>2.7000e-003</b>	<b>0.1676</b>	<b>0.0449</b>	<b>2.5600e-003</b>	<b>0.0474</b>	<b>0.0000</b>	<b>228.7155</b>	<b>228.7155</b>	<b>9.2900e-003</b>	<b>0.0234</b>	<b>235.9168</b>

**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	0.0380	0.2592	2.0254	3.1300e-003		4.7300e-003	4.7300e-003		4.7300e-003	4.7300e-003	0.0000	268.9446	268.9446	0.0636	0.0000	270.5346
<b>Total</b>	<b>0.0380</b>	<b>0.2592</b>	<b>2.0254</b>	<b>3.1300e-003</b>		<b>4.7300e-003</b>	<b>4.7300e-003</b>		<b>4.7300e-003</b>	<b>4.7300e-003</b>	<b>0.0000</b>	<b>268.9446</b>	<b>268.9446</b>	<b>0.0636</b>	<b>0.0000</b>	<b>270.5346</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.3900e-003	0.3694	0.1235	1.3900e-003	0.0452	2.1300e-003	0.0474	0.0131	2.0400e-003	0.0151	0.0000	138.6644	138.6644	6.0600e-003	0.0205	144.9104
Worker	0.0467	0.0318	0.3530	9.6000e-004	0.1197	5.7000e-004	0.1202	0.0318	5.2000e-004	0.0323	0.0000	90.0511	90.0511	3.2300e-003	2.9300e-003	91.0064
<b>Total</b>	<b>0.0561</b>	<b>0.4012</b>	<b>0.4765</b>	<b>2.3500e-003</b>	<b>0.1649</b>	<b>2.7000e-003</b>	<b>0.1676</b>	<b>0.0449</b>	<b>2.5600e-003</b>	<b>0.0474</b>	<b>0.0000</b>	<b>228.7155</b>	<b>228.7155</b>	<b>9.2900e-003</b>	<b>0.0234</b>	<b>235.9168</b>

**3.4 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6549</b>	<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0101	0.4067	0.1357	1.5300e-003	0.0509	2.3400e-003	0.0532	0.0147	2.2400e-003	0.0169	0.0000	153.2036	153.2036	7.0500e-003	0.0226	160.1237
Worker	0.0494	0.0321	0.3712	1.0500e-003	0.1346	6.1000e-004	0.1352	0.0358	5.6000e-004	0.0363	0.0000	98.9932	98.9932	3.3100e-003	3.0800e-003	99.9939
<b>Total</b>	<b>0.0595</b>	<b>0.4387</b>	<b>0.5069</b>	<b>2.5800e-003</b>	<b>0.1855</b>	<b>2.9500e-003</b>	<b>0.1885</b>	<b>0.0505</b>	<b>2.8000e-003</b>	<b>0.0533</b>	<b>0.0000</b>	<b>252.1968</b>	<b>252.1968</b>	<b>0.0104</b>	<b>0.0257</b>	<b>260.1177</b>

**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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.0428</b>	<b>0.2916</b>	<b>2.2786</b>	<b>3.5200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>	<b>0.0000</b>	<b>302.6545</b>	<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0101	0.4067	0.1357	1.5300e-003	0.0509	2.3400e-003	0.0532	0.0147	2.2400e-003	0.0169	0.0000	153.2036	153.2036	7.0500e-003	0.0226	160.1237
Worker	0.0494	0.0321	0.3712	1.0500e-003	0.1346	6.1000e-004	0.1352	0.0358	5.6000e-004	0.0363	0.0000	98.9932	98.9932	3.3100e-003	3.0800e-003	99.9939
<b>Total</b>	<b>0.0595</b>	<b>0.4387</b>	<b>0.5069</b>	<b>2.5800e-003</b>	<b>0.1855</b>	<b>2.9500e-003</b>	<b>0.1885</b>	<b>0.0505</b>	<b>2.8000e-003</b>	<b>0.0533</b>	<b>0.0000</b>	<b>252.1968</b>	<b>252.1968</b>	<b>0.0104</b>	<b>0.0257</b>	<b>260.1177</b>

**3.4 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0438	0.3990	0.5147	8.6000e-004		0.0169	0.0169		0.0159	0.0159	0.0000	74.2142	74.2142	0.0175	0.0000	74.6504
<b>Total</b>	<b>0.0438</b>	<b>0.3990</b>	<b>0.5147</b>	<b>8.6000e-004</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0159</b>	<b>0.0159</b>	<b>0.0000</b>	<b>74.2142</b>	<b>74.2142</b>	<b>0.0175</b>	<b>0.0000</b>	<b>74.6504</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3800e-003	0.0976	0.0326	3.7000e-004	0.0125	5.6000e-004	0.0130	3.6000e-003	5.3000e-004	4.1400e-003	0.0000	36.8811	36.8811	1.7800e-003	5.4600e-003	38.5515
Worker	0.0114	7.1000e-003	0.0843	2.5000e-004	0.0330	1.4000e-004	0.0332	8.7700e-003	1.3000e-004	8.9000e-003	0.0000	23.6833	23.6833	7.4000e-004	7.1000e-004	23.9129
<b>Total</b>	<b>0.0138</b>	<b>0.1047</b>	<b>0.1169</b>	<b>6.2000e-004</b>	<b>0.0455</b>	<b>7.0000e-004</b>	<b>0.0462</b>	<b>0.0124</b>	<b>6.6000e-004</b>	<b>0.0130</b>	<b>0.0000</b>	<b>60.5644</b>	<b>60.5644</b>	<b>2.5200e-003</b>	<b>6.1700e-003</b>	<b>62.4644</b>

**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	0.0105	0.0715	0.5587	8.6000e-004		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	74.2141	74.2141	0.0175	0.0000	74.6503
<b>Total</b>	<b>0.0105</b>	<b>0.0715</b>	<b>0.5587</b>	<b>8.6000e-004</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>74.2141</b>	<b>74.2141</b>	<b>0.0175</b>	<b>0.0000</b>	<b>74.6503</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3800e-003	0.0976	0.0326	3.7000e-004	0.0125	5.6000e-004	0.0130	3.6000e-003	5.3000e-004	4.1400e-003	0.0000	36.8811	36.8811	1.7800e-003	5.4600e-003	38.5515
Worker	0.0114	7.1000e-003	0.0843	2.5000e-004	0.0330	1.4000e-004	0.0332	8.7700e-003	1.3000e-004	8.9000e-003	0.0000	23.6833	23.6833	7.4000e-004	7.1000e-004	23.9129
<b>Total</b>	<b>0.0138</b>	<b>0.1047</b>	<b>0.1169</b>	<b>6.2000e-004</b>	<b>0.0455</b>	<b>7.0000e-004</b>	<b>0.0462</b>	<b>0.0124</b>	<b>6.6000e-004</b>	<b>0.0130</b>	<b>0.0000</b>	<b>60.5644</b>	<b>60.5644</b>	<b>2.5200e-003</b>	<b>6.1700e-003</b>	<b>62.4644</b>

**3.5 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.1201	0.1783	2.9000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	25.1496	25.1496	1.4200e-003	0.0000	25.1850
<b>Total</b>	<b>0.5549</b>	<b>0.1201</b>	<b>0.1783</b>	<b>2.9000e-004</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>25.1496</b>	<b>25.1496</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>25.1850</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8400e-003	5.3300e-003	0.0592	1.6000e-004	0.0201	1.0000e-004	0.0202	5.3400e-003	9.0000e-005	5.4200e-003	0.0000	15.1100	15.1100	5.4000e-004	4.9000e-004	15.2703
<b>Total</b>	<b>7.8400e-003</b>	<b>5.3300e-003</b>	<b>0.0592</b>	<b>1.6000e-004</b>	<b>0.0201</b>	<b>1.0000e-004</b>	<b>0.0202</b>	<b>5.3400e-003</b>	<b>9.0000e-005</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>15.1100</b>	<b>15.1100</b>	<b>5.4000e-004</b>	<b>4.9000e-004</b>	<b>15.2703</b>

**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	0.5371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9300e-003	0.0127	0.1805	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.1495	25.1495	1.4200e-003	0.0000	25.1849
<b>Total</b>	<b>0.5401</b>	<b>0.0127</b>	<b>0.1805</b>	<b>2.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>25.1495</b>	<b>25.1495</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>25.1849</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8400e-003	5.3300e-003	0.0592	1.6000e-004	0.0201	1.0000e-004	0.0202	5.3400e-003	9.0000e-005	5.4200e-003	0.0000	15.1100	15.1100	5.4000e-004	4.9000e-004	15.2703
<b>Total</b>	<b>7.8400e-003</b>	<b>5.3300e-003</b>	<b>0.0592</b>	<b>1.6000e-004</b>	<b>0.0201</b>	<b>1.0000e-004</b>	<b>0.0202</b>	<b>5.3400e-003</b>	<b>9.0000e-005</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>15.1100</b>	<b>15.1100</b>	<b>5.4000e-004</b>	<b>4.9000e-004</b>	<b>15.2703</b>

**3.5 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.7339</b>	<b>0.1495</b>	<b>0.2361</b>	<b>3.9000e-004</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>	<b>0.0000</b>	<b>33.3200</b>	<b>33.3200</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7600e-003	6.3400e-003	0.0734	2.1000e-004	0.0266	1.2000e-004	0.0267	7.0700e-003	1.1000e-004	7.1800e-003	0.0000	19.5615	19.5615	6.5000e-004	6.1000e-004	19.7593
<b>Total</b>	<b>9.7600e-003</b>	<b>6.3400e-003</b>	<b>0.0734</b>	<b>2.1000e-004</b>	<b>0.0266</b>	<b>1.2000e-004</b>	<b>0.0267</b>	<b>7.0700e-003</b>	<b>1.1000e-004</b>	<b>7.1800e-003</b>	<b>0.0000</b>	<b>19.5615</b>	<b>19.5615</b>	<b>6.5000e-004</b>	<b>6.1000e-004</b>	<b>19.7593</b>

**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	0.7116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.7155</b>	<b>0.0168</b>	<b>0.2391</b>	<b>3.9000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>33.3199</b>	<b>33.3199</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7600e-003	6.3400e-003	0.0734	2.1000e-004	0.0266	1.2000e-004	0.0267	7.0700e-003	1.1000e-004	7.1800e-003	0.0000	19.5615	19.5615	6.5000e-004	6.1000e-004	19.7593
<b>Total</b>	<b>9.7600e-003</b>	<b>6.3400e-003</b>	<b>0.0734</b>	<b>2.1000e-004</b>	<b>0.0266</b>	<b>1.2000e-004</b>	<b>0.0267</b>	<b>7.0700e-003</b>	<b>1.1000e-004</b>	<b>7.1800e-003</b>	<b>0.0000</b>	<b>19.5615</b>	<b>19.5615</b>	<b>6.5000e-004</b>	<b>6.1000e-004</b>	<b>19.7593</b>

**3.5 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3517					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.0739	0.1167	1.9000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	16.4685	16.4685	9.0000e-004	0.0000	16.4910
<b>Total</b>	<b>0.3627</b>	<b>0.0739</b>	<b>0.1167</b>	<b>1.9000e-004</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>	<b>0.0000</b>	<b>16.4685</b>	<b>16.4685</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>16.4910</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5500e-003	2.8300e-003	0.0336	1.0000e-004	0.0132	6.0000e-005	0.0132	3.4900e-003	5.0000e-005	3.5400e-003	0.0000	9.4330	9.4330	2.9000e-004	2.8000e-004	9.5244
<b>Total</b>	<b>4.5500e-003</b>	<b>2.8300e-003</b>	<b>0.0336</b>	<b>1.0000e-004</b>	<b>0.0132</b>	<b>6.0000e-005</b>	<b>0.0132</b>	<b>3.4900e-003</b>	<b>5.0000e-005</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>9.4330</b>	<b>9.4330</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>9.5244</b>

**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	0.3517					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	8.3100e-003	0.1182	1.9000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	16.4685	16.4685	9.0000e-004	0.0000	16.4909
<b>Total</b>	<b>0.3536</b>	<b>8.3100e-003</b>	<b>0.1182</b>	<b>1.9000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>16.4685</b>	<b>16.4685</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>16.4909</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5500e-003	2.8300e-003	0.0336	1.0000e-004	0.0132	6.0000e-005	0.0132	3.4900e-003	5.0000e-005	3.5400e-003	0.0000	9.4330	9.4330	2.9000e-004	2.8000e-004	9.5244
<b>Total</b>	<b>4.5500e-003</b>	<b>2.8300e-003</b>	<b>0.0336</b>	<b>1.0000e-004</b>	<b>0.0132</b>	<b>6.0000e-005</b>	<b>0.0132</b>	<b>3.4900e-003</b>	<b>5.0000e-005</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>9.4330</b>	<b>9.4330</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>9.5244</b>

**3.6 Paving - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.9000e-004	9.5200e-003	0.0146	2.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	2.0027	2.0027	6.5000e-004	0.0000	2.0189
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.8400e-003</b>	<b>9.5200e-003</b>	<b>0.0146</b>	<b>2.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.3000e-004</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>2.0027</b>	<b>2.0027</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0189</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0697	0.0697	0.0000	0.0000	0.0705
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0697</b>	<b>0.0697</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0705</b>

**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	2.8000e-004	1.2200e-003	0.0173	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.0027	2.0027	6.5000e-004	0.0000	2.0188
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1300e-003</b>	<b>1.2200e-003</b>	<b>0.0173</b>	<b>2.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>2.0027</b>	<b>2.0027</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0188</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0697	0.0697	0.0000	0.0000	0.0705
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0697</b>	<b>0.0697</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0705</b>

**3.6 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2400e-003	0.0772	0.1312	2.1000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630
Paving	7.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0159</b>	<b>0.0772</b>	<b>0.1312</b>	<b>2.1000e-004</b>		<b>3.7700e-003</b>	<b>3.7700e-003</b>		<b>3.4700e-003</b>	<b>3.4700e-003</b>	<b>0.0000</b>	<b>18.0173</b>	<b>18.0173</b>	<b>5.8300e-003</b>	<b>0.0000</b>	<b>18.1630</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.3000e-003	1.0000e-005	8.3000e-004	0.0000	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6132	0.6132	2.0000e-005	2.0000e-005	0.6194
<b>Total</b>	<b>3.1000e-004</b>	<b>2.0000e-004</b>	<b>2.3000e-003</b>	<b>1.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.6132</b>	<b>0.6132</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6194</b>

**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	2.5200e-003	0.0109	0.1557	2.1000e-004		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630
Paving	7.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0101</b>	<b>0.0109</b>	<b>0.1557</b>	<b>2.1000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>18.0173</b>	<b>18.0173</b>	<b>5.8300e-003</b>	<b>0.0000</b>	<b>18.1630</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.3000e-003	1.0000e-005	8.3000e-004	0.0000	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6132	0.6132	2.0000e-005	2.0000e-005	0.6194
<b>Total</b>	<b>3.1000e-004</b>	<b>2.0000e-004</b>	<b>2.3000e-003</b>	<b>1.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.6132</b>	<b>0.6132</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6194</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.6620	2.8995	21.9742	0.0286	3.0904	0.0263	3.1167	0.8274	0.0245	0.8519	0.0000	2,746.217 4	2,746.217 4	0.3459	0.2112	2,817.797 3
Unmitigated	3.8361	3.2986	24.6704	0.0357	3.9369	0.0312	3.9681	1.0541	0.0291	1.0832	0.0000	3,420.722 4	3,420.722 4	0.3738	0.2377	3,500.905 7

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	174.29	174.29	174.29	130,977	102,816
Convenience Market with Gas Pumps	1,405.60	1,405.60	1405.60	592,662	465,234
Fast Food Restaurant w/o Drive Thru	407.40	407.40	407.40	509,940	400,298
Fast Food Restaurant with Drive Thru	6,135.75	6,135.75	6135.75	4,468,179	3,507,475
Gasoline/Service Station	84.00	84.00	84.00	37,923	29,769
High Turnover (Sit Down Restaurant)	375.20	375.20	375.20	336,528	264,171
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	3,637.70	3,637.70	3637.70	4,282,849	3,361,993
Unrefrigerated Warehouse-No Rail	39.90	39.90	39.90	88,307	69,320
Total	12,259.84	12,259.84	12,259.84	10,447,366	8,201,076

**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
Automobile Care Center	6.60	5.50	6.40	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	6.60	5.50	6.40	0.80	80.20	19.00	14	21	65

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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
Fast Food Restaurant w/o Drive Thru	6.60	5.50	6.40	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive Thru	6.60	5.50	6.40	2.20	78.80	19.00	29	21	50
Gasoline/Service Station	6.60	5.50	6.40	2.00	79.00	19.00	14	27	59
High Turnover (Sit Down Restaurant)	6.60	5.50	6.40	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Strip Mall	6.60	5.50	6.40	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No Rail	6.60	5.50	6.40	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Convenience Market with Gas Pumps	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Fast Food Restaurant w/o Drive Thru	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Fast Food Restaurant with Drive Thru	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Gasoline/Service Station	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
High Turnover (Sit Down Restaurant)	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Other Asphalt Surfaces	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Parking Lot	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Strip Mall	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474
Unrefrigerated Warehouse-No Rail	0.506430	0.055863	0.206798	0.143793	0.025842	0.006469	0.011207	0.006259	0.000953	0.000560	0.028990	0.003362	0.003474

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.5339	122.5339	0.0201	2.4100e-003	123.7543
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.5339	122.5339	0.0201	2.4100e-003	123.7543
NaturalGas Mitigated	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	348.9588	348.9588	6.6900e-003	6.4000e-003	351.0324
NaturalGas Unmitigated	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	348.9588	348.9588	6.6900e-003	6.4000e-003	351.0324

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 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					
Automobile Care Center	93986.2	5.1000e-004	4.6100e-003	3.8700e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0155	5.0155	1.0000e-004	9.0000e-005	5.0453
Convenience Market with Gas Pumps	3303.49	2.0000e-005	1.6000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1763	0.1763	0.0000	0.0000	0.1773
Fast Food Restaurant w/o Drive Thru	1.24362e+006	6.7100e-003	0.0610	0.0512	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3643	66.3643	1.2700e-003	1.2200e-003	66.7587
Fast Food Restaurant with Drive Thru	3.88631e+006	0.0210	0.1905	0.1600	1.1400e-003		0.0145	0.0145		0.0145	0.0145	0.0000	207.3884	207.3884	3.9700e-003	3.8000e-003	208.6208
Gasoline/Service Station	11087.8	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5917	0.5917	1.0000e-005	1.0000e-005	0.5952
High Turnover (Sit Down Restaurant)	1.03635e+006	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	55.3036	55.3036	1.0600e-003	1.0100e-003	55.6322
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	128700	6.9000e-004	6.3100e-003	5.3000e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8679	6.8679	1.3000e-004	1.3000e-004	6.9087
Unrefrigerated Warehouse-No Rail	135880	7.3000e-004	6.6600e-003	5.6000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.2511	7.2511	1.4000e-004	1.3000e-004	7.2942
<b>Total</b>		<b>0.0353</b>	<b>0.3206</b>	<b>0.2693</b>	<b>1.9200e-003</b>		<b>0.0244</b>	<b>0.0244</b>		<b>0.0244</b>	<b>0.0244</b>	<b>0.0000</b>	<b>348.9587</b>	<b>348.9587</b>	<b>6.6800e-003</b>	<b>6.3900e-003</b>	<b>351.0324</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	93986.2	5.1000e-004	4.6100e-003	3.8700e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0155	5.0155	1.0000e-004	9.0000e-005	5.0453
Convenience Market with Gas Pumps	3303.49	2.0000e-005	1.6000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1763	0.1763	0.0000	0.0000	0.1773
Fast Food Restaurant w/o Drive Thru	1.24362e+006	6.7100e-003	0.0610	0.0512	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3643	66.3643	1.2700e-003	1.2200e-003	66.7587
Fast Food Restaurant with Drive Thru	3.88631e+006	0.0210	0.1905	0.1600	1.1400e-003		0.0145	0.0145		0.0145	0.0145	0.0000	207.3884	207.3884	3.9700e-003	3.8000e-003	208.6208
Gasoline/Service Station	11087.8	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5917	0.5917	1.0000e-005	1.0000e-005	0.5952
High Turnover (Sit Down Restaurant)	1.03635e+006	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	55.3036	55.3036	1.0600e-003	1.0100e-003	55.6322
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	128700	6.9000e-004	6.3100e-003	5.3000e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8679	6.8679	1.3000e-004	1.3000e-004	6.9087
Unrefrigerated Warehouse-No Rail	135880	7.3000e-004	6.6600e-003	5.6000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.2511	7.2511	1.4000e-004	1.3000e-004	7.2942
<b>Total</b>		<b>0.0353</b>	<b>0.3206</b>	<b>0.2693</b>	<b>1.9200e-003</b>		<b>0.0244</b>	<b>0.0244</b>		<b>0.0244</b>	<b>0.0244</b>	<b>0.0000</b>	<b>348.9587</b>	<b>348.9587</b>	<b>6.6800e-003</b>	<b>6.3900e-003</b>	<b>351.0324</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29079	2.0116	3.3000e-004	4.0000e-005	2.0316
Convenience Market with Gas Pumps	14668.1	1.0147	1.7000e-004	2.0000e-005	1.0248
Fast Food Restaurant w/o Drive Thru	193020	13.3526	2.1900e-003	2.6000e-004	13.4856
Fast Food Restaurant with Drive Thru	603188	41.7269	6.8400e-003	8.2000e-004	42.1425
Gasoline/Service Station	3430.51	0.2373	4.0000e-005	0.0000	0.2397
High Turnover (Sit Down Restaurant)	160850	11.1272	1.8200e-003	2.2000e-004	11.2380
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	57365	3.9684	6.5000e-004	8.0000e-005	4.0079
Strip Mall	571450	39.5314	6.4800e-003	7.8000e-004	39.9251
Unrefrigerated Warehouse-No Rail	138250	9.5638	1.5700e-003	1.9000e-004	9.6590
<b>Total</b>		<b>122.5339</b>	<b>0.0201</b>	<b>2.4100e-003</b>	<b>123.7543</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29079	2.0116	3.3000e-004	4.0000e-005	2.0316
Convenience Market with Gas Pumps	14668.1	1.0147	1.7000e-004	2.0000e-005	1.0248
Fast Food Restaurant w/o Drive Thru	193020	13.3526	2.1900e-003	2.6000e-004	13.4856
Fast Food Restaurant with Drive Thru	603188	41.7269	6.8400e-003	8.2000e-004	42.1425
Gasoline/Service Station	3430.51	0.2373	4.0000e-005	0.0000	0.2397
High Turnover (Sit Down Restaurant)	160850	11.1272	1.8200e-003	2.2000e-004	11.2380
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	57365	3.9684	6.5000e-004	8.0000e-005	4.0079
Strip Mall	571450	39.5314	6.4800e-003	7.8000e-004	39.9251
Unrefrigerated Warehouse-No Rail	138250	9.5638	1.5700e-003	1.9000e-004	9.6590
<b>Total</b>		<b>122.5339</b>	<b>0.0201</b>	<b>2.4100e-003</b>	<b>123.7543</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

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	0.5569	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
Unmitigated	0.6850	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1601					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
<b>Total</b>	<b>0.6850</b>	<b>3.0000e-005</b>	<b>2.8200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.8500e-003</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.0320					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
<b>Total</b>	<b>0.5569</b>	<b>3.0000e-005</b>	<b>2.8200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.8500e-003</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.7285	0.0247	0.0149	19.7882
Unmitigated	17.3591	0.0292	0.0177	23.3530

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.337751 / 0.207009	0.2960	4.4000e-004	2.6000e-004	0.3855
Convenience Market with Gas Pumps	0.104572 / 0.0640924	0.0917	1.4000e-004	8.0000e-005	0.1194
Fast Food Restaurant w/o Drive Thru	1.8212 / 0.116247	1.3542	2.3300e-003	1.4200e-003	1.8343
Fast Food Restaurant with Drive Thru	5.69126 / 0.363272	4.2319	7.2900e-003	4.4200e-003	5.7321
Gasoline/Service Station	0.0398457 / 0.0244215	0.0349	5.0000e-005	3.0000e-005	0.0455
High Turnover (Sit Down Restaurant)	1.51767 / 0.0968725	1.1285	1.9500e-003	1.1800e-003	1.5286
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	4.07399 / 2.49696	3.5709	5.3100e-003	3.1800e-003	4.6503
Unrefrigerated Warehouse-No Rail	9.13438 / 0	6.6509	0.0117	7.1000e-003	9.0574
<b>Total</b>		<b>17.3591</b>	<b>0.0292</b>	<b>0.0177</b>	<b>23.3530</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.285062 / 0.194381	0.2546	3.7000e-004	2.2000e-004	0.3302
Convenience Market with Gas Pumps	0.0882586 / 0.0601828	0.0788	1.2000e-004	7.0000e-005	0.1022
Fast Food Restaurant w/o Drive Thru	1.53709 / 0.109156	1.1456	1.9700e-003	1.1900e-003	1.5508
Fast Food Restaurant with Drive Thru	4.80342 / 0.341112	3.5801	6.1600e-003	3.7300e-003	4.8464
Gasoline/Service Station	0.0336297 / 0.0229318	0.0300	4.0000e-005	3.0000e-005	0.0390
High Turnover (Sit Down Restaurant)	1.28091 / 0.0909632	0.9547	1.6400e-003	1.0000e-003	1.2924
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.43845 / 2.34465	3.0713	4.4900e-003	2.6800e-003	3.9828
Unrefrigerated Warehouse-No Rail	7.70941 / 0	5.6134	9.8600e-003	5.9900e-003	7.6445
<b>Total</b>		<b>14.7285</b>	<b>0.0247</b>	<b>0.0149</b>	<b>19.7882</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	47.2227	2.3416	0.0000	105.7631
Unmitigated	94.4453	4.6832	0.0000	211.5263

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	13.71	2.8471	0.1412	0.0000	6.3765
Fast Food Restaurant w/o Drive Thru	69.11	14.3516	0.7117	0.0000	32.1429
Fast Food Restaurant with Drive Thru	215.98	44.8511	2.2240	0.0000	100.4517
Gasoline/Service Station	1.62	0.3364	0.0167	0.0000	0.7535
High Turnover (Sit Down Restaurant)	59.5	12.3560	0.6127	0.0000	27.6733
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	57.75	11.9926	0.5947	0.0000	26.8594
Unrefrigerated Warehouse-No Rail	37.13	7.7105	0.3823	0.0000	17.2691
<b>Total</b>		<b>94.4453</b>	<b>4.6832</b>	<b>0.0000</b>	<b>211.5263</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	6.855	1.4235	0.0706	0.0000	3.1882
Fast Food Restaurant w/o Drive Thru	34.555	7.1758	0.3558	0.0000	16.0714
Fast Food Restaurant with Drive Thru	107.99	22.4256	1.1120	0.0000	50.2259
Gasoline/Service Station	0.81	0.1682	8.3400e-003	0.0000	0.3767
High Turnover (Sit Down Restaurant)	29.75	6.1780	0.3064	0.0000	13.8367
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	28.875	5.9963	0.2973	0.0000	13.4297
Unrefrigerated Warehouse-No Rail	18.565	3.8553	0.1912	0.0000	8.6345
<b>Total</b>		<b>47.2227</b>	<b>2.3416</b>	<b>0.0000</b>	<b>105.7631</b>

**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**

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

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## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Richards Ranch Commercial**  
**Santa Barbara-North of Santa Ynez County, Annual**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	39.50	1000sqft	2.00	39,500.00	0
Other Asphalt Surfaces	2.70	Acre	2.70	117,612.00	0
Parking Lot	163.90	1000sqft	3.76	163,900.00	0
Fast Food Restaurant w/o Drive Thru	6.00	1000sqft	1.86	6,000.00	0
Fast Food Restaurant with Drive Thru	18.75	1000sqft	2.33	18,750.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Automobile Care Center	3.59	1000sqft	0.08	3,590.00	0
Convenience Market with Gas Pumps	10.00	Pump	0.03	1,411.75	0
Gasoline/Service Station	3.00	Pump	0.01	423.52	0
Strip Mall	55.00	1000sqft	3.47	55,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2030
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	127.09	<b>CH4 Intensity (lb/MW hr)</b>	0.021	<b>N2O Intensity (lb/MW hr)</b>	0.002

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

Project Characteristics - Intensity Factors have been adjusted to reflect PG&E's renewable portfolio for 2030.

Land Use -

Construction Phase - Building and Arch Coating are based on construction schedule

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Architectural Coating - Low VOC Paints

Vehicle Trips - Trip rate is based on traffic study with a 30% internal trip reduction applied, trip length is default.

Area Coating - Low VOC

Construction Off-road Equipment Mitigation - Tier 4 water exposed area

Mobile Land Use Mitigation - Project will improve pedestrian network and is located 0.14 miles away from bus stop.

Area Mitigation - Low VOC paints

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	587.00
tblConstructionPhase	NumDays	300.00	557.00
tblConstructionPhase	NumDays	30.00	20.00
tblLandUse	LotAcreage	0.91	2.00
tblLandUse	LotAcreage	0.14	1.86
tblLandUse	LotAcreage	0.43	2.33
tblLandUse	LotAcreage	1.26	3.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	ST_TR	23.72	48.55
tblVehicleTrips	ST_TR	322.50	140.56
tblVehicleTrips	ST_TR	696.00	67.90
tblVehicleTrips	ST_TR	616.12	327.24
tblVehicleTrips	ST_TR	182.17	28.00
tblVehicleTrips	ST_TR	122.40	75.04
tblVehicleTrips	ST_TR	42.04	66.14
tblVehicleTrips	ST_TR	1.74	1.01
tblVehicleTrips	SU_TR	11.88	48.55
tblVehicleTrips	SU_TR	322.50	140.56

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	SU_TR	500.00	67.90
tblVehicleTrips	SU_TR	472.58	327.24
tblVehicleTrips	SU_TR	166.88	28.00
tblVehicleTrips	SU_TR	142.64	75.04
tblVehicleTrips	SU_TR	20.43	66.14
tblVehicleTrips	SU_TR	1.74	1.01
tblVehicleTrips	WD_TR	23.72	48.55
tblVehicleTrips	WD_TR	322.50	140.56
tblVehicleTrips	WD_TR	346.23	67.90
tblVehicleTrips	WD_TR	470.95	327.24
tblVehicleTrips	WD_TR	172.01	28.00
tblVehicleTrips	WD_TR	112.18	75.04
tblVehicleTrips	WD_TR	44.32	66.14
tblVehicleTrips	WD_TR	1.74	1.01

**2.0 Emissions Summary**

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## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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					
2024	0.8220	2.4022	2.8479	6.4600e-003	0.3557	0.0938	0.4495	0.1354	0.0883	0.2237	0.0000	583.9005	583.9005	0.0894	0.0239	593.2622
2025	0.9978	2.2993	3.0489	6.9100e-003	0.2129	0.0824	0.2953	0.0578	0.0779	0.1356	0.0000	626.3637	626.3637	0.0898	0.0263	636.4583
2026	0.4249	0.5804	0.7819	1.7700e-003	0.0586	0.0210	0.0796	0.0159	0.0199	0.0358	0.0000	160.6801	160.6801	0.0212	6.4500e-003	163.1301
Maximum	0.9978	2.4022	3.0489	6.9100e-003	0.3557	0.0938	0.4495	0.1354	0.0883	0.2237	0.0000	626.3637	626.3637	0.0898	0.0263	636.4583

**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					
2024	0.6497	0.7059	3.0454	6.4600e-003	0.2525	8.7600e-003	0.2613	0.0837	8.6100e-003	0.0923	0.0000	583.9001	583.9001	0.0894	0.0239	593.2618
2025	0.8380	0.7646	3.2559	6.9100e-003	0.2129	9.2500e-003	0.2222	0.0578	9.0900e-003	0.0668	0.0000	626.3633	626.3633	0.0898	0.0263	636.4578
2026	0.3825	0.1873	0.8274	1.7700e-003	0.0586	2.3100e-003	0.0610	0.0159	2.2700e-003	0.0181	0.0000	160.6800	160.6800	0.0212	6.4500e-003	163.1300
Maximum	0.8380	0.7646	3.2559	6.9100e-003	0.2525	9.2500e-003	0.2613	0.0837	9.0900e-003	0.0923	0.0000	626.3633	626.3633	0.0898	0.0263	636.4578

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	16.68	68.61	-6.74	0.00	16.45	89.69	33.96	24.74	89.27	55.14	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.6597	0.1499
2	4-1-2024	6-30-2024	0.8351	0.3933
3	7-1-2024	9-30-2024	0.8443	0.3977
4	10-1-2024	12-31-2024	0.8665	0.4070
5	1-1-2025	3-31-2025	0.8792	0.4110
6	4-1-2025	6-30-2025	0.7932	0.3892
7	7-1-2025	9-30-2025	0.8019	0.3934
8	10-1-2025	12-31-2025	0.8076	0.3991
9	1-1-2026	3-31-2026	0.7860	0.3864
10	4-1-2026	6-30-2026	0.2235	0.1859
		Highest	0.8792	0.4110



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.6850	3.0000e-005	2.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
Energy	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	451.0690	451.0690	0.0236	8.0000e-003	454.0433
Mobile	3.3207	2.8282	22.2676	0.0328	3.9340	0.0265	3.9605	1.0528	0.0247	1.0775	0.0000	3,204.1784	3,204.1784	0.3247	0.2144	3,276.1894
Waste						0.0000	0.0000		0.0000	0.0000	94.4453	0.0000	94.4453	4.6832	0.0000	211.5263
Water						0.0000	0.0000		0.0000	0.0000	8.0386	7.7669	15.8055	0.0290	0.0176	21.7752
<b>Total</b>	<b>4.0409</b>	<b>3.1488</b>	<b>22.5397</b>	<b>0.0347</b>	<b>3.9340</b>	<b>0.0508</b>	<b>3.9849</b>	<b>1.0528</b>	<b>0.0491</b>	<b>1.1019</b>	<b>102.4839</b>	<b>3,663.0198</b>	<b>3,765.5037</b>	<b>5.0605</b>	<b>0.2400</b>	<b>3,963.5400</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.6850	3.0000e-005	2.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
Energy	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	451.0690	451.0690	0.0236	8.0000e-003	454.0433
Mobile	3.1631	2.4955	19.8727	0.0264	3.0882	0.0223	3.1105	0.8265	0.0208	0.8473	0.0000	2,572.5373	2,572.5373	0.2986	0.1906	2,636.7847
Waste						0.0000	0.0000		0.0000	0.0000	47.2227	0.0000	47.2227	2.3416	0.0000	105.7631
Water						0.0000	0.0000		0.0000	0.0000	6.7846	6.6199	13.4045	0.0245	0.0149	18.4434
<b>Total</b>	<b>3.8833</b>	<b>2.8161</b>	<b>20.1447</b>	<b>0.0283</b>	<b>3.0882</b>	<b>0.0467</b>	<b>3.1349</b>	<b>0.8265</b>	<b>0.0452</b>	<b>0.8716</b>	<b>54.0072</b>	<b>3,030.2317</b>	<b>3,084.2389</b>	<b>2.6882</b>	<b>0.2134</b>	<b>3,215.0404</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>3.90</b>	<b>10.57</b>	<b>10.63</b>	<b>18.62</b>	<b>21.50</b>	<b>8.15</b>	<b>21.33</b>	<b>21.50</b>	<b>7.93</b>	<b>20.90</b>	<b>47.30</b>	<b>17.28</b>	<b>18.09</b>	<b>46.88</b>	<b>11.08</b>	<b>18.88</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2024	1/12/2024	5	10	
2	Grading	Grading	1/13/2024	2/9/2024	5	20	
3	Building Construction	Building Construction	2/10/2024	3/31/2026	5	557	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

4	Architectural Coating	Architectural Coating	4/1/2024	6/30/2026	5	587
5	Paving	Paving	12/28/2024	1/24/2025	5	20

**Acres of Grading (Site Preparation Phase): 15****Acres of Grading (Grading Phase): 20****Acres of Paving: 6.46****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 194,513; Non-Residential Outdoor: 64,838; Striped Parking Area: 16,891 (Architectural Coating – sqft)****OffRoad Equipment**

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

**Trips and VMT**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	167.00	67.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1359	0.0917	1.9000e-004		6.1500e-003	6.1500e-003		5.6600e-003	5.6600e-003	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
<b>Total</b>	<b>0.0133</b>	<b>0.1359</b>	<b>0.0917</b>	<b>1.9000e-004</b>	<b>0.0983</b>	<b>6.1500e-003</b>	<b>0.1044</b>	<b>0.0505</b>	<b>5.6600e-003</b>	<b>0.0562</b>	<b>0.0000</b>	<b>16.7285</b>	<b>16.7285</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8638</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.6400e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4184	0.4184	2.0000e-005	1.0000e-005	0.4228
<b>Total</b>	<b>2.2000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.4184</b>	<b>0.4184</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4228</b>

**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					0.0383	0.0000	0.0383	0.0197	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
<b>Total</b>	<b>2.3300e-003</b>	<b>0.0101</b>	<b>0.1043</b>	<b>1.9000e-004</b>	<b>0.0383</b>	<b>3.1000e-004</b>	<b>0.0386</b>	<b>0.0197</b>	<b>3.1000e-004</b>	<b>0.0200</b>	<b>0.0000</b>	<b>16.7285</b>	<b>16.7285</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8638</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.2 Site Preparation - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.6400e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4184	0.4184	2.0000e-005	1.0000e-005	0.4228
<b>Total</b>	<b>2.2000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.4184</b>	<b>0.4184</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4228</b>

**3.3 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.1703	0.1476	3.0000e-004		7.2400e-003	7.2400e-003		6.6600e-003	6.6600e-003	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2747
<b>Total</b>	<b>0.0166</b>	<b>0.1703</b>	<b>0.1476</b>	<b>3.0000e-004</b>	<b>0.0708</b>	<b>7.2400e-003</b>	<b>0.0781</b>	<b>0.0343</b>	<b>6.6600e-003</b>	<b>0.0409</b>	<b>0.0000</b>	<b>26.0639</b>	<b>26.0639</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2747</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.5000e-004	2.7300e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.6973	0.6973	3.0000e-005	2.0000e-005	0.7047
<b>Total</b>	<b>3.6000e-004</b>	<b>2.5000e-004</b>	<b>2.7300e-003</b>	<b>1.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>9.3000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.6973</b>	<b>0.6973</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7047</b>

**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					0.0276	0.0000	0.0276	0.0134	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6300e-003	0.0157	0.1775	3.0000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2746
<b>Total</b>	<b>3.6300e-003</b>	<b>0.0157</b>	<b>0.1775</b>	<b>3.0000e-004</b>	<b>0.0276</b>	<b>4.8000e-004</b>	<b>0.0281</b>	<b>0.0134</b>	<b>4.8000e-004</b>	<b>0.0138</b>	<b>0.0000</b>	<b>26.0639</b>	<b>26.0639</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2746</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.3 Grading - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.5000e-004	2.7300e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.6973	0.6973	3.0000e-005	2.0000e-005	0.7047
<b>Total</b>	<b>3.6000e-004</b>	<b>2.5000e-004</b>	<b>2.7300e-003</b>	<b>1.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>9.3000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.6973</b>	<b>0.6973</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7047</b>

**3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1707	1.5595	1.8754	3.1300e-003		0.0711	0.0711		0.0669	0.0669	0.0000	268.9450	268.9450	0.0636	0.0000	270.5349
<b>Total</b>	<b>0.1707</b>	<b>1.5595</b>	<b>1.8754</b>	<b>3.1300e-003</b>		<b>0.0711</b>	<b>0.0711</b>		<b>0.0669</b>	<b>0.0669</b>	<b>0.0000</b>	<b>268.9450</b>	<b>268.9450</b>	<b>0.0636</b>	<b>0.0000</b>	<b>270.5349</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.3900e-003	0.3694	0.1235	1.3900e-003	0.0452	2.1300e-003	0.0474	0.0131	2.0400e-003	0.0151	0.0000	138.6644	138.6644	6.0600e-003	0.0205	144.9104
Worker	0.0467	0.0318	0.3530	9.6000e-004	0.1197	5.7000e-004	0.1202	0.0318	5.2000e-004	0.0323	0.0000	90.0511	90.0511	3.2300e-003	2.9300e-003	91.0064
<b>Total</b>	<b>0.0561</b>	<b>0.4012</b>	<b>0.4765</b>	<b>2.3500e-003</b>	<b>0.1649</b>	<b>2.7000e-003</b>	<b>0.1676</b>	<b>0.0449</b>	<b>2.5600e-003</b>	<b>0.0474</b>	<b>0.0000</b>	<b>228.7155</b>	<b>228.7155</b>	<b>9.2900e-003</b>	<b>0.0234</b>	<b>235.9168</b>

**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	0.0380	0.2592	2.0254	3.1300e-003		4.7300e-003	4.7300e-003		4.7300e-003	4.7300e-003	0.0000	268.9446	268.9446	0.0636	0.0000	270.5346
<b>Total</b>	<b>0.0380</b>	<b>0.2592</b>	<b>2.0254</b>	<b>3.1300e-003</b>		<b>4.7300e-003</b>	<b>4.7300e-003</b>		<b>4.7300e-003</b>	<b>4.7300e-003</b>	<b>0.0000</b>	<b>268.9446</b>	<b>268.9446</b>	<b>0.0636</b>	<b>0.0000</b>	<b>270.5346</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.3900e-003	0.3694	0.1235	1.3900e-003	0.0452	2.1300e-003	0.0474	0.0131	2.0400e-003	0.0151	0.0000	138.6644	138.6644	6.0600e-003	0.0205	144.9104
Worker	0.0467	0.0318	0.3530	9.6000e-004	0.1197	5.7000e-004	0.1202	0.0318	5.2000e-004	0.0323	0.0000	90.0511	90.0511	3.2300e-003	2.9300e-003	91.0064
<b>Total</b>	<b>0.0561</b>	<b>0.4012</b>	<b>0.4765</b>	<b>2.3500e-003</b>	<b>0.1649</b>	<b>2.7000e-003</b>	<b>0.1676</b>	<b>0.0449</b>	<b>2.5600e-003</b>	<b>0.0474</b>	<b>0.0000</b>	<b>228.7155</b>	<b>228.7155</b>	<b>9.2900e-003</b>	<b>0.0234</b>	<b>235.9168</b>

**3.4 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6549</b>	<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0101	0.4067	0.1357	1.5300e-003	0.0509	2.3400e-003	0.0532	0.0147	2.2400e-003	0.0169	0.0000	153.2036	153.2036	7.0500e-003	0.0226	160.1237
Worker	0.0494	0.0321	0.3712	1.0500e-003	0.1346	6.1000e-004	0.1352	0.0358	5.6000e-004	0.0363	0.0000	98.9932	98.9932	3.3100e-003	3.0800e-003	99.9939
<b>Total</b>	<b>0.0595</b>	<b>0.4387</b>	<b>0.5069</b>	<b>2.5800e-003</b>	<b>0.1855</b>	<b>2.9500e-003</b>	<b>0.1885</b>	<b>0.0505</b>	<b>2.8000e-003</b>	<b>0.0533</b>	<b>0.0000</b>	<b>252.1968</b>	<b>252.1968</b>	<b>0.0104</b>	<b>0.0257</b>	<b>260.1177</b>

**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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.0428</b>	<b>0.2916</b>	<b>2.2786</b>	<b>3.5200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>		<b>5.3200e-003</b>	<b>5.3200e-003</b>	<b>0.0000</b>	<b>302.6545</b>	<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0101	0.4067	0.1357	1.5300e-003	0.0509	2.3400e-003	0.0532	0.0147	2.2400e-003	0.0169	0.0000	153.2036	153.2036	7.0500e-003	0.0226	160.1237
Worker	0.0494	0.0321	0.3712	1.0500e-003	0.1346	6.1000e-004	0.1352	0.0358	5.6000e-004	0.0363	0.0000	98.9932	98.9932	3.3100e-003	3.0800e-003	99.9939
<b>Total</b>	<b>0.0595</b>	<b>0.4387</b>	<b>0.5069</b>	<b>2.5800e-003</b>	<b>0.1855</b>	<b>2.9500e-003</b>	<b>0.1885</b>	<b>0.0505</b>	<b>2.8000e-003</b>	<b>0.0533</b>	<b>0.0000</b>	<b>252.1968</b>	<b>252.1968</b>	<b>0.0104</b>	<b>0.0257</b>	<b>260.1177</b>

**3.4 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0438	0.3990	0.5147	8.6000e-004		0.0169	0.0169		0.0159	0.0159	0.0000	74.2142	74.2142	0.0175	0.0000	74.6504
<b>Total</b>	<b>0.0438</b>	<b>0.3990</b>	<b>0.5147</b>	<b>8.6000e-004</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0159</b>	<b>0.0159</b>	<b>0.0000</b>	<b>74.2142</b>	<b>74.2142</b>	<b>0.0175</b>	<b>0.0000</b>	<b>74.6504</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3800e-003	0.0976	0.0326	3.7000e-004	0.0125	5.6000e-004	0.0130	3.6000e-003	5.3000e-004	4.1400e-003	0.0000	36.8811	36.8811	1.7800e-003	5.4600e-003	38.5515
Worker	0.0114	7.1000e-003	0.0843	2.5000e-004	0.0330	1.4000e-004	0.0332	8.7700e-003	1.3000e-004	8.9000e-003	0.0000	23.6833	23.6833	7.4000e-004	7.1000e-004	23.9129
<b>Total</b>	<b>0.0138</b>	<b>0.1047</b>	<b>0.1169</b>	<b>6.2000e-004</b>	<b>0.0455</b>	<b>7.0000e-004</b>	<b>0.0462</b>	<b>0.0124</b>	<b>6.6000e-004</b>	<b>0.0130</b>	<b>0.0000</b>	<b>60.5644</b>	<b>60.5644</b>	<b>2.5200e-003</b>	<b>6.1700e-003</b>	<b>62.4644</b>

**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	0.0105	0.0715	0.5587	8.6000e-004		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	74.2141	74.2141	0.0175	0.0000	74.6503
<b>Total</b>	<b>0.0105</b>	<b>0.0715</b>	<b>0.5587</b>	<b>8.6000e-004</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>74.2141</b>	<b>74.2141</b>	<b>0.0175</b>	<b>0.0000</b>	<b>74.6503</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.4 Building Construction - 2026****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3800e-003	0.0976	0.0326	3.7000e-004	0.0125	5.6000e-004	0.0130	3.6000e-003	5.3000e-004	4.1400e-003	0.0000	36.8811	36.8811	1.7800e-003	5.4600e-003	38.5515
Worker	0.0114	7.1000e-003	0.0843	2.5000e-004	0.0330	1.4000e-004	0.0332	8.7700e-003	1.3000e-004	8.9000e-003	0.0000	23.6833	23.6833	7.4000e-004	7.1000e-004	23.9129
<b>Total</b>	<b>0.0138</b>	<b>0.1047</b>	<b>0.1169</b>	<b>6.2000e-004</b>	<b>0.0455</b>	<b>7.0000e-004</b>	<b>0.0462</b>	<b>0.0124</b>	<b>6.6000e-004</b>	<b>0.0130</b>	<b>0.0000</b>	<b>60.5644</b>	<b>60.5644</b>	<b>2.5200e-003</b>	<b>6.1700e-003</b>	<b>62.4644</b>

**3.5 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.1201	0.1783	2.9000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	25.1496	25.1496	1.4200e-003	0.0000	25.1850
<b>Total</b>	<b>0.5549</b>	<b>0.1201</b>	<b>0.1783</b>	<b>2.9000e-004</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>25.1496</b>	<b>25.1496</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>25.1850</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8400e-003	5.3300e-003	0.0592	1.6000e-004	0.0201	1.0000e-004	0.0202	5.3400e-003	9.0000e-005	5.4200e-003	0.0000	15.1100	15.1100	5.4000e-004	4.9000e-004	15.2703
<b>Total</b>	<b>7.8400e-003</b>	<b>5.3300e-003</b>	<b>0.0592</b>	<b>1.6000e-004</b>	<b>0.0201</b>	<b>1.0000e-004</b>	<b>0.0202</b>	<b>5.3400e-003</b>	<b>9.0000e-005</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>15.1100</b>	<b>15.1100</b>	<b>5.4000e-004</b>	<b>4.9000e-004</b>	<b>15.2703</b>

**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	0.5371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9300e-003	0.0127	0.1805	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.1495	25.1495	1.4200e-003	0.0000	25.1849
<b>Total</b>	<b>0.5401</b>	<b>0.0127</b>	<b>0.1805</b>	<b>2.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>25.1495</b>	<b>25.1495</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>25.1849</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8400e-003	5.3300e-003	0.0592	1.6000e-004	0.0201	1.0000e-004	0.0202	5.3400e-003	9.0000e-005	5.4200e-003	0.0000	15.1100	15.1100	5.4000e-004	4.9000e-004	15.2703
<b>Total</b>	<b>7.8400e-003</b>	<b>5.3300e-003</b>	<b>0.0592</b>	<b>1.6000e-004</b>	<b>0.0201</b>	<b>1.0000e-004</b>	<b>0.0202</b>	<b>5.3400e-003</b>	<b>9.0000e-005</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>15.1100</b>	<b>15.1100</b>	<b>5.4000e-004</b>	<b>4.9000e-004</b>	<b>15.2703</b>

**3.5 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.7339</b>	<b>0.1495</b>	<b>0.2361</b>	<b>3.9000e-004</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>		<b>6.7200e-003</b>	<b>6.7200e-003</b>	<b>0.0000</b>	<b>33.3200</b>	<b>33.3200</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7600e-003	6.3400e-003	0.0734	2.1000e-004	0.0266	1.2000e-004	0.0267	7.0700e-003	1.1000e-004	7.1800e-003	0.0000	19.5615	19.5615	6.5000e-004	6.1000e-004	19.7593
<b>Total</b>	<b>9.7600e-003</b>	<b>6.3400e-003</b>	<b>0.0734</b>	<b>2.1000e-004</b>	<b>0.0266</b>	<b>1.2000e-004</b>	<b>0.0267</b>	<b>7.0700e-003</b>	<b>1.1000e-004</b>	<b>7.1800e-003</b>	<b>0.0000</b>	<b>19.5615</b>	<b>19.5615</b>	<b>6.5000e-004</b>	<b>6.1000e-004</b>	<b>19.7593</b>

**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	0.7116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
<b>Total</b>	<b>0.7155</b>	<b>0.0168</b>	<b>0.2391</b>	<b>3.9000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>33.3199</b>	<b>33.3199</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>33.3654</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7600e-003	6.3400e-003	0.0734	2.1000e-004	0.0266	1.2000e-004	0.0267	7.0700e-003	1.1000e-004	7.1800e-003	0.0000	19.5615	19.5615	6.5000e-004	6.1000e-004	19.7593
<b>Total</b>	<b>9.7600e-003</b>	<b>6.3400e-003</b>	<b>0.0734</b>	<b>2.1000e-004</b>	<b>0.0266</b>	<b>1.2000e-004</b>	<b>0.0267</b>	<b>7.0700e-003</b>	<b>1.1000e-004</b>	<b>7.1800e-003</b>	<b>0.0000</b>	<b>19.5615</b>	<b>19.5615</b>	<b>6.5000e-004</b>	<b>6.1000e-004</b>	<b>19.7593</b>

**3.5 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3517					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.0739	0.1167	1.9000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	16.4685	16.4685	9.0000e-004	0.0000	16.4910
<b>Total</b>	<b>0.3627</b>	<b>0.0739</b>	<b>0.1167</b>	<b>1.9000e-004</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>	<b>0.0000</b>	<b>16.4685</b>	<b>16.4685</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>16.4910</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5500e-003	2.8300e-003	0.0336	1.0000e-004	0.0132	6.0000e-005	0.0132	3.4900e-003	5.0000e-005	3.5400e-003	0.0000	9.4330	9.4330	2.9000e-004	2.8000e-004	9.5244
<b>Total</b>	<b>4.5500e-003</b>	<b>2.8300e-003</b>	<b>0.0336</b>	<b>1.0000e-004</b>	<b>0.0132</b>	<b>6.0000e-005</b>	<b>0.0132</b>	<b>3.4900e-003</b>	<b>5.0000e-005</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>9.4330</b>	<b>9.4330</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>9.5244</b>

**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	0.3517					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	8.3100e-003	0.1182	1.9000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	16.4685	16.4685	9.0000e-004	0.0000	16.4909
<b>Total</b>	<b>0.3536</b>	<b>8.3100e-003</b>	<b>0.1182</b>	<b>1.9000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>16.4685</b>	<b>16.4685</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>16.4909</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.5 Architectural Coating - 2026****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5500e-003	2.8300e-003	0.0336	1.0000e-004	0.0132	6.0000e-005	0.0132	3.4900e-003	5.0000e-005	3.5400e-003	0.0000	9.4330	9.4330	2.9000e-004	2.8000e-004	9.5244
<b>Total</b>	<b>4.5500e-003</b>	<b>2.8300e-003</b>	<b>0.0336</b>	<b>1.0000e-004</b>	<b>0.0132</b>	<b>6.0000e-005</b>	<b>0.0132</b>	<b>3.4900e-003</b>	<b>5.0000e-005</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>9.4330</b>	<b>9.4330</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>9.5244</b>

**3.6 Paving - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.9000e-004	9.5200e-003	0.0146	2.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	2.0027	2.0027	6.5000e-004	0.0000	2.0189
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.8400e-003</b>	<b>9.5200e-003</b>	<b>0.0146</b>	<b>2.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.3000e-004</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>2.0027</b>	<b>2.0027</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0189</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0697	0.0697	0.0000	0.0000	0.0705
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0697</b>	<b>0.0697</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0705</b>

**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	2.8000e-004	1.2200e-003	0.0173	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.0027	2.0027	6.5000e-004	0.0000	2.0188
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1300e-003</b>	<b>1.2200e-003</b>	<b>0.0173</b>	<b>2.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>2.0027</b>	<b>2.0027</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0188</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0697	0.0697	0.0000	0.0000	0.0705
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0697</b>	<b>0.0697</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0705</b>

**3.6 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2400e-003	0.0772	0.1312	2.1000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630
Paving	7.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0159</b>	<b>0.0772</b>	<b>0.1312</b>	<b>2.1000e-004</b>		<b>3.7700e-003</b>	<b>3.7700e-003</b>		<b>3.4700e-003</b>	<b>3.4700e-003</b>	<b>0.0000</b>	<b>18.0173</b>	<b>18.0173</b>	<b>5.8300e-003</b>	<b>0.0000</b>	<b>18.1630</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.3000e-003	1.0000e-005	8.3000e-004	0.0000	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6132	0.6132	2.0000e-005	2.0000e-005	0.6194
<b>Total</b>	<b>3.1000e-004</b>	<b>2.0000e-004</b>	<b>2.3000e-003</b>	<b>1.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.6132</b>	<b>0.6132</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6194</b>

**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	2.5200e-003	0.0109	0.1557	2.1000e-004		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630
Paving	7.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0101</b>	<b>0.0109</b>	<b>0.1557</b>	<b>2.1000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>18.0173</b>	<b>18.0173</b>	<b>5.8300e-003</b>	<b>0.0000</b>	<b>18.1630</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.6 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.3000e-003	1.0000e-005	8.3000e-004	0.0000	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6132	0.6132	2.0000e-005	2.0000e-005	0.6194
<b>Total</b>	<b>3.1000e-004</b>	<b>2.0000e-004</b>	<b>2.3000e-003</b>	<b>1.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.6132</b>	<b>0.6132</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6194</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1631	2.4955	19.8727	0.0264	3.0882	0.0223	3.1105	0.8265	0.0208	0.8473	0.0000	2,572.537 3	2,572.537 3	0.2986	0.1906	2,636.784 7
Unmitigated	3.3207	2.8282	22.2676	0.0328	3.9340	0.0265	3.9605	1.0528	0.0247	1.0775	0.0000	3,204.178 4	3,204.178 4	0.3247	0.2144	3,276.189 4

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	174.29	174.29	174.29	130,977	102,816
Convenience Market with Gas Pumps	1,405.60	1,405.60	1405.60	592,662	465,234
Fast Food Restaurant w/o Drive Thru	407.40	407.40	407.40	509,940	400,298
Fast Food Restaurant with Drive Thru	6,135.75	6,135.75	6135.75	4,468,179	3,507,475
Gasoline/Service Station	84.00	84.00	84.00	37,923	29,769
High Turnover (Sit Down Restaurant)	375.20	375.20	375.20	336,528	264,171
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	3,637.70	3,637.70	3637.70	4,282,849	3,361,993
Unrefrigerated Warehouse-No Rail	39.90	39.90	39.90	88,307	69,320
Total	12,259.84	12,259.84	12,259.84	10,447,366	8,201,076

**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
Automobile Care Center	6.60	5.50	6.40	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	6.60	5.50	6.40	0.80	80.20	19.00	14	21	65

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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
Fast Food Restaurant w/o Drive	6.60	5.50	6.40	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	6.60	5.50	6.40	2.20	78.80	19.00	29	21	50
Gasoline/Service Station	6.60	5.50	6.40	2.00	79.00	19.00	14	27	59
High Turnover (Sit Down	6.60	5.50	6.40	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Strip Mall	6.60	5.50	6.40	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	6.60	5.50	6.40	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Convenience Market with Gas Pumps	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Fast Food Restaurant w/o Drive Thru	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Fast Food Restaurant with Drive Thru	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Gasoline/Service Station	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
High Turnover (Sit Down Restaurant)	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Other Asphalt Surfaces	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Parking Lot	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Strip Mall	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017
Unrefrigerated Warehouse-No Rail	0.514923	0.057522	0.206064	0.138974	0.023636	0.006062	0.011219	0.006223	0.000940	0.000535	0.027699	0.003185	0.003017

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	102.1102	102.1102	0.0169	1.6100e-003	103.0109
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	102.1102	102.1102	0.0169	1.6100e-003	103.0109
NaturalGas Mitigated	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	348.9588	348.9588	6.6900e-003	6.4000e-003	351.0324
NaturalGas Unmitigated	0.0353	0.3206	0.2693	1.9200e-003		0.0244	0.0244		0.0244	0.0244	0.0000	348.9588	348.9588	6.6900e-003	6.4000e-003	351.0324

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 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					
Automobile Care Center	93986.2	5.1000e-004	4.6100e-003	3.8700e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0155	5.0155	1.0000e-004	9.0000e-005	5.0453
Convenience Market with Gas Pumps	3303.49	2.0000e-005	1.6000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1763	0.1763	0.0000	0.0000	0.1773
Fast Food Restaurant w/o Drive Thru	1.24362e+006	6.7100e-003	0.0610	0.0512	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3643	66.3643	1.2700e-003	1.2200e-003	66.7587
Fast Food Restaurant with Drive Thru	3.88631e+006	0.0210	0.1905	0.1600	1.1400e-003		0.0145	0.0145		0.0145	0.0145	0.0000	207.3884	207.3884	3.9700e-003	3.8000e-003	208.6208
Gasoline/Service Station	11087.8	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5917	0.5917	1.0000e-005	1.0000e-005	0.5952
High Turnover (Sit Down Restaurant)	1.03635e+006	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	55.3036	55.3036	1.0600e-003	1.0100e-003	55.6322
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	128700	6.9000e-004	6.3100e-003	5.3000e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8679	6.8679	1.3000e-004	1.3000e-004	6.9087
Unrefrigerated Warehouse-No Rail	135880	7.3000e-004	6.6600e-003	5.6000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.2511	7.2511	1.4000e-004	1.3000e-004	7.2942
<b>Total</b>		<b>0.0353</b>	<b>0.3206</b>	<b>0.2693</b>	<b>1.9200e-003</b>		<b>0.0244</b>	<b>0.0244</b>		<b>0.0244</b>	<b>0.0244</b>	<b>0.0000</b>	<b>348.9587</b>	<b>348.9587</b>	<b>6.6800e-003</b>	<b>6.3900e-003</b>	<b>351.0324</b>

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	93986.2	5.1000e-004	4.6100e-003	3.8700e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0155	5.0155	1.0000e-004	9.0000e-005	5.0453
Convenience Market with Gas Pumps	3303.49	2.0000e-005	1.6000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1763	0.1763	0.0000	0.0000	0.1773
Fast Food Restaurant w/o Drive Thru	1.24362e+006	6.7100e-003	0.0610	0.0512	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3643	66.3643	1.2700e-003	1.2200e-003	66.7587
Fast Food Restaurant with Drive Thru	3.88631e+006	0.0210	0.1905	0.1600	1.1400e-003		0.0145	0.0145		0.0145	0.0145	0.0000	207.3884	207.3884	3.9700e-003	3.8000e-003	208.6208
Gasoline/Service Station	11087.8	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5917	0.5917	1.0000e-005	1.0000e-005	0.5952
High Turnover (Sit Down Restaurant)	1.03635e+006	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	55.3036	55.3036	1.0600e-003	1.0100e-003	55.6322
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	128700	6.9000e-004	6.3100e-003	5.3000e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8679	6.8679	1.3000e-004	1.3000e-004	6.9087
Unrefrigerated Warehouse-No Rail	135880	7.3000e-004	6.6600e-003	5.6000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.2511	7.2511	1.4000e-004	1.3000e-004	7.2942
<b>Total</b>		<b>0.0353</b>	<b>0.3206</b>	<b>0.2693</b>	<b>1.9200e-003</b>		<b>0.0244</b>	<b>0.0244</b>		<b>0.0244</b>	<b>0.0244</b>	<b>0.0000</b>	<b>348.9587</b>	<b>348.9587</b>	<b>6.6800e-003</b>	<b>6.3900e-003</b>	<b>351.0324</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29079	1.6763	2.8000e-004	3.0000e-005	1.6911
Convenience Market with Gas Pumps	14668.1	0.8456	1.4000e-004	1.0000e-005	0.8530
Fast Food Restaurant w/o Drive Thru	193020	11.1270	1.8400e-003	1.8000e-004	11.2252
Fast Food Restaurant with Drive Thru	603188	34.7720	5.7500e-003	5.5000e-004	35.0787
Gasoline/Service Station	3430.51	0.1978	3.0000e-005	0.0000	0.1995
High Turnover (Sit Down Restaurant)	160850	9.2725	1.5300e-003	1.5000e-004	9.3543
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	57365	3.3069	5.5000e-004	5.0000e-005	3.3361
Strip Mall	571450	32.9424	5.4400e-003	5.2000e-004	33.2330
Unrefrigerated Warehouse-No Rail	138250	7.9697	1.3200e-003	1.3000e-004	8.0400
<b>Total</b>		<b>102.1102</b>	<b>0.0169</b>	<b>1.6200e-003</b>	<b>103.0109</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29079	1.6763	2.8000e-004	3.0000e-005	1.6911
Convenience Market with Gas Pumps	14668.1	0.8456	1.4000e-004	1.0000e-005	0.8530
Fast Food Restaurant w/o Drive Thru	193020	11.1270	1.8400e-003	1.8000e-004	11.2252
Fast Food Restaurant with Drive Thru	603188	34.7720	5.7500e-003	5.5000e-004	35.0787
Gasoline/Service Station	3430.51	0.1978	3.0000e-005	0.0000	0.1995
High Turnover (Sit Down Restaurant)	160850	9.2725	1.5300e-003	1.5000e-004	9.3543
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	57365	3.3069	5.5000e-004	5.0000e-005	3.3361
Strip Mall	571450	32.9424	5.4400e-003	5.2000e-004	33.2330
Unrefrigerated Warehouse-No Rail	138250	7.9697	1.3200e-003	1.3000e-004	8.0400
<b>Total</b>		<b>102.1102</b>	<b>0.0169</b>	<b>1.6200e-003</b>	<b>103.0109</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

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	0.6850	3.0000e-005	2.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
Unmitigated	0.6850	3.0000e-005	2.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1601					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
<b>Total</b>	<b>0.6850</b>	<b>3.0000e-005</b>	<b>2.8100e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.8500e-003</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****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	0.1601					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.4900e-003	5.4900e-003	1.0000e-005	0.0000	5.8500e-003
<b>Total</b>	<b>0.6850</b>	<b>3.0000e-005</b>	<b>2.8100e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.8500e-003</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.4045	0.0245	0.0149	18.4434
Unmitigated	15.8055	0.0290	0.0176	21.7752

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.337751 / 0.207009	0.2666	4.4000e-004	2.6000e-004	0.3556
Convenience Market with Gas Pumps	0.104572 / 0.0640924	0.0826	1.3000e-004	8.0000e-005	0.1101
Fast Food Restaurant w/o Drive Thru	1.8212 / 0.116247	1.2359	2.3200e-003	1.4100e-003	1.7141
Fast Food Restaurant with Drive Thru	5.69126 / 0.363272	3.8621	7.2400e-003	4.4100e-003	5.3566
Gasoline/Service Station	0.0398457 / 0.0244215	0.0315	5.0000e-005	3.0000e-005	0.0420
High Turnover (Sit Down Restaurant)	1.51767 / 0.0968725	1.0299	1.9300e-003	1.1800e-003	1.4284
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	4.07399 / 2.49696	3.2160	5.2500e-003	3.1600e-003	4.2898
Unrefrigerated Warehouse-No Rail	9.13438 / 0	6.0810	0.0116	7.0700e-003	8.4786
<b>Total</b>		<b>15.8055</b>	<b>0.0290</b>	<b>0.0176</b>	<b>21.7752</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.285062 / 0.194381	0.2290	3.7000e-004	2.2000e-004	0.3042
Convenience Market with Gas Pumps	0.0882586 / 0.0601828	0.0709	1.1000e-004	7.0000e-005	0.0942
Fast Food Restaurant w/o Drive Thru	1.53709 / 0.109156	1.0453	1.9500e-003	1.1900e-003	1.4490
Fast Food Restaurant with Drive Thru	4.80342 / 0.341112	3.2666	6.1100e-003	3.7200e-003	4.5280
Gasoline/Service Station	0.0336297 / 0.0229318	0.0270	4.0000e-005	3.0000e-005	0.0359
High Turnover (Sit Down Restaurant)	1.28091 / 0.0909632	0.8711	1.6300e-003	9.9000e-004	1.2075
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.43845 / 2.34465	2.7621	4.4400e-003	2.6700e-003	3.6688
Unrefrigerated Warehouse-No Rail	7.70941 / 0	5.1324	9.7900e-003	5.9700e-003	7.1559
<b>Total</b>		<b>13.4044</b>	<b>0.0244</b>	<b>0.0149</b>	<b>18.4434</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	47.2227	2.3416	0.0000	105.7631
Unmitigated	94.4453	4.6832	0.0000	211.5263

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	13.71	2.8471	0.1412	0.0000	6.3765
Fast Food Restaurant w/o Drive Thru	69.11	14.3516	0.7117	0.0000	32.1429
Fast Food Restaurant with Drive Thru	215.98	44.8511	2.2240	0.0000	100.4517
Gasoline/Service Station	1.62	0.3364	0.0167	0.0000	0.7535
High Turnover (Sit Down Restaurant)	59.5	12.3560	0.6127	0.0000	27.6733
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	57.75	11.9926	0.5947	0.0000	26.8594
Unrefrigerated Warehouse-No Rail	37.13	7.7105	0.3823	0.0000	17.2691
<b>Total</b>		<b>94.4453</b>	<b>4.6832</b>	<b>0.0000</b>	<b>211.5263</b>

## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	6.855	1.4235	0.0706	0.0000	3.1882
Fast Food Restaurant w/o Drive Thru	34.555	7.1758	0.3558	0.0000	16.0714
Fast Food Restaurant with Drive Thru	107.99	22.4256	1.1120	0.0000	50.2259
Gasoline/Service Station	0.81	0.1682	8.3400e-003	0.0000	0.3767
High Turnover (Sit Down Restaurant)	29.75	6.1780	0.3064	0.0000	13.8367
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	28.875	5.9963	0.2973	0.0000	13.4297
Unrefrigerated Warehouse-No Rail	18.565	3.8553	0.1912	0.0000	8.6345
<b>Total</b>		<b>47.2227</b>	<b>2.3416</b>	<b>0.0000</b>	<b>105.7631</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**



## Richards Ranch Commercial - Santa Barbara-North of Santa Ynez County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

**11.0 Vegetation**

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Commercial		Sqft/employee	Emplyoyee per land use
Fast Food With Drive-Thru	18,750 sf	92	203.8043478
Fast Casual	6,000 sf	70	85.71428571
Sit Down Restaurant	5,000 sf	134	37.31343284
Car Wash	3,596 sf	463	7.766738661
Gas Station	3,000 sf	463	6.479481641
Lube Station	2,400 sf	463	5.183585313
Shopping Center	55,000 sf	938	58.63539446
Mini Storage	39,500 sf	781	50.57618438
<b>Total</b>	<b>133,246 sf</b>	<b>Total Employee</b>	<b>455.4734508</b>
Residential			
Townhomes	95 Units		
Apartments	400 Units		
<b>Total</b>	<b>495 Units</b>	<b>Total Residents</b>	<b>1,346</b>

Based on Institute of Trasnportation Engineers

Based on CalEEMod

# **ENERGY IMPACT ASSESSMENT**

**FOR THE PROPOSED**

## **RICHARDS RANCH PROJECT**

**SANTA MARIA, CA**

**SEPTEMBER 2022**

**PREPARED FOR:**

SWCA ENVIRONMENTAL CONSULTANTS, INC.  
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### APPENDICES

Appendix A:     Energy Modeling	
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## LIST OF COMMON TERMS & ACRONYMS

°F	Fahrenheit
3CE	Central Coast Community Energy
AB	Assembly Bill
AFV	Alternative Fuel Vehicle
APS	Alternative Planning Strategy
ARB	California Air Resource Board
BSC	Building Standards Commission
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CBC	California Building Code
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CO <sub>2</sub>	Carbon Dioxide
CPUC	California Public Utilities Commission
EAP	Energy Action Plan
EMFAC	Emissions Factor
EO	Executive Order
EPAct	Energy Policy Act
GHG	Greenhouse Gas
kBTU	Kilo British Thermal Units
kWh	Kilowatt Hour
MMBTU	Million British Thermal Units
mpg	Miles per Gallon
MPO	Metropolitan Planning Organization
NHSTA	National Highway Traffic Safety Administration
PG&E	Pacific Gas and Electric
RME	Resources Management Element
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
SAF	State Alternative Fuel
SB	Senate Bill
SBCAPCD	Santa Barbara County Air Pollution Control District
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategy
SoCalGas	Southern California Gas Company
U.S. DOT	United States Department of Transportation
U.S. EPA	United States Environmental Protection Agency
VMT	Vehicle Mile Traveled

# INTRODUCTION

This report provides an analysis of potential energy impacts associated with the proposed Richards Ranch Annexation Project. This report also provides a summary of existing conditions in the project area and the applicable regulatory framework pertaining to energy.

## PROJECT DESCRIPTION

The proposed Richards Ranch Annexation Project would include the annexation, pre-zoning, and a conceptual development plan for approximately 43.75 acres of property located in unincorporated Santa Barbara County (County) by the City of Santa Maria (City). The conceptual development plan is a mixed commercial/residential project which includes a total of 495 residential units, including 400 apartments and 95 townhomes and an approximate buildout of 130,000 square feet of commercial uses. As identified in the Santa Barbara County Orcutt Community Plan, the current land use designation is Mixed Commercial/Residential, which provides for general commercial, office, and professional, and residential uses. All four parcels have a zoning designation of Retail Commercial (C-2). The proposed project's site plan is depicted in Figure 1 and Figure 2.

## 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.

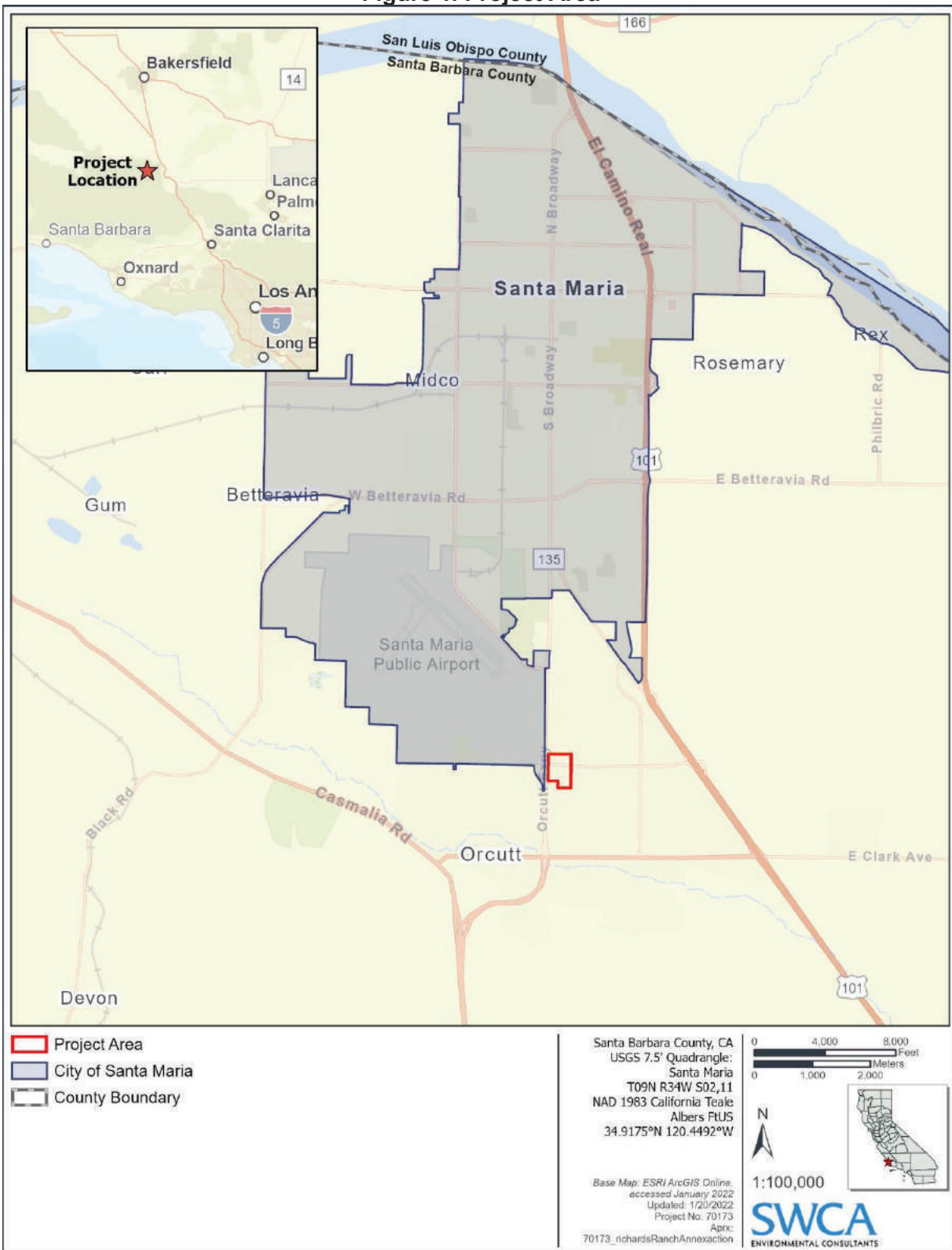
## EXISTING SETTING

The project is located in the unincorporated area of Santa Barbara County. Figure 3 shows a map of the project site with nearby roadways. The project area experiences a cool Mediterranean climate, with an annual normal precipitation of approximately 13.00 inches. Temperatures in the project area range from an average minimum of approximately 38.7 degrees Fahrenheit (°F), in December, to an average maximum of 74.4°F, in September (WRCC 2020).

## Energy Resources

Energy sources for the City of Santa Maria are served primarily by Pacific Gas & Electric (PG&E), Central Coast Community Energy (3CE), and Southern California Gas Company (SoCalGas). Energy resources consist largely of natural gas, nuclear, fossil fuels, hydropower, solar, and wind. The primary use of energy sources is for electricity to operate buildings.

**Figure 1. Project Area**



Source: SWCA 2022



Figure 2. Project Site Plan



Source: SWCA 2022

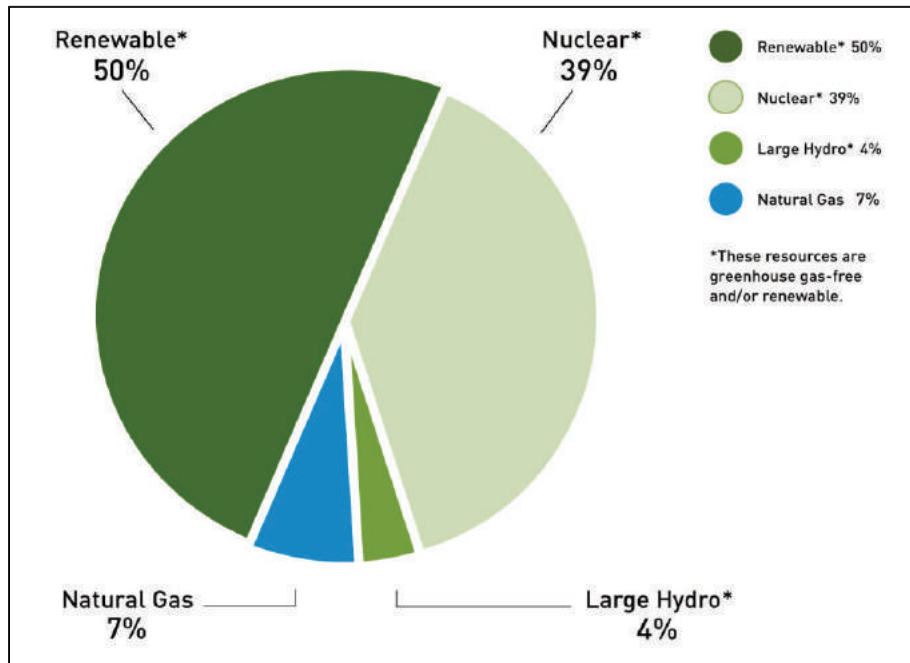
## Electricity

Electric services in the City of Santa Maria are provided by PG&E and 3CE.

### Pacific Gas & Electric

The breakdown of PG&E's power mix is shown in Figure 3. As shown, 97 percent of PG&E's 2021 total electric power mix came from greenhouse gas (GHG)-free sources that include nuclear, large hydro, renewable energy sources, and natural gas (PG&E 2021).

**Figure 3. Pacific Gas & Electric 2021 Power Content Label**



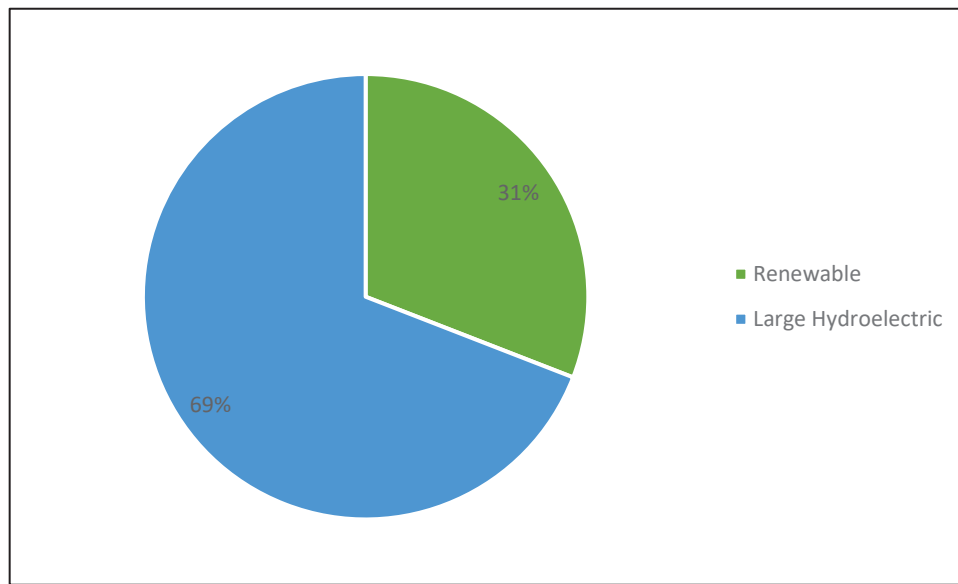
Source: PG&E 2021a

### Central Coast Community Energy

Central Coast Community Energy (3CE) is a locally-controlled public agency supplying clean and renewable electricity for residents and businesses in Monterey, San Benito, parts of San Luis Obispo, Santa Barbara, and Santa Cruz Counties. 3CE is based on a local energy model called Community Choice Energy that partners with the local utility (i.e., PG&E) which continues to provide consolidated billing, electricity transmission and distribution, customer service, and grid maintenance services. 3CE provides customers with a choice for clean and renewable energy, and community reinvestment through rate benefits and local GHG reducing energy programs for residential, commercial, and agricultural customers. Participation in 3CE as an electricity provider is voluntary (3CE 2021).

The breakdown of 3CE power mix is shown in Figure 4. As shown, 3CE energy generation was supplied from approximately 31 percent of renewable energy sources (i.e., biomass and waste, geothermal, small hydroelectric, solar, and wind) and 69 percent of large hydroelectric sources.

**Figure 4. Central Coast Community Energy 2019 Power Content Label**



Source: 3CE 2020

## ***Natural Gas***

Natural gas services in the City of Santa Maria are purchased from SoCalGas. SoCalGas's natural gas system encompasses approximately 20,000 square miles in Southern California (SoCalGas 2020). Natural gas throughput provided by SoCalGas totals approximately 2.8 billion cubic feet per day (SoCalGas 2013).

## **Regulatory Framework**

### **Federal**

#### **Regulations for Greenhouse Gas Emissions from Passenger Cars and Trucks and Corporate Average Fuel Economy Standards**

In October 2012, the United States Environmental Protection Agency (U.S. EPA) and National Highway Traffic Safety Administration (NHTSA), on behalf of the United States Department of Transportation (U.S. DOT), issued final rules to further reduce greenhouse gas (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 (CO<sub>2</sub>) per mile for the fleet of cars and light-duty trucks by the model year 2025.

In January 2017, U.S. 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, U.S. EPA Administrator Scott Pruitt and U.S. DOT Secretary Elaine Chao announced that U.S. EPA intends to reconsider the Final Determination. On April 2, 2018, U.S. 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 U.S. EPA, these key assumptions include gasoline prices and overly optimistic consumer acceptance of advanced technology vehicles. The April 2, 2018 notice is not U.S. EPA's final agency action. The U.S. EPA intends to initiate rulemaking to adopt new standards. Until that rulemaking has been completed, the current standards remain in effect. (U.S. EPA 2017, U.S. EPA 2018).



## **Energy Policy and Conservation Act**

The Energy Policy and Conservation Act of 1975 sought to ensure that all vehicles sold in the United States 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 NHTSA, which is part of the U.S. DOT, 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 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 U.S. EPA, was created to determine vehicle manufacturers' compliance with the fuel economy standards. U.S. 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 U.S. DOT is authorized to assess penalties for noncompliance.

## **Energy Policy Act of 1992**

The Energy Policy Act of 1992 (EPAct) was passed to reduce the country's dependence on foreign petroleum and improve air quality. EPAct includes several parts intended to build an inventory of alternative fuel vehicles (AFVs) in large, centrally fueled fleets in metropolitan areas. EPAct 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 EPAct. 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 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 (ARB 2014). 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.

### **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 (SAF) Plan in partnership with ARB 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 GHG emissions, and increase in-state production of biofuels without causing significant degradation of public health and environmental quality.

### **Assembly Bill 2076: Reducing Dependence on Petroleum**

Pursuant to Assembly Bill (AB) 2076 (Chapter 936, Statutes of 2000), CEC and the California Air Resource Board (ARB) 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) (ARB 2003). Further, a performance-based goal of AB 2076 was to reduce petroleum demand to 15 percent below 2003 demand by 2020.

### **Senate Bill 350: Clean Energy and Pollution Prevention 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 a doubling of the energy efficiency savings in electricity and natural gas for retail customers through energy efficiency and conservation by December 31, 2030.

### **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 (RTP). 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.

### **Senate Bill 1078: California Renewables Portfolio Standard Program**

Senate Bill (SB) 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 of 20 percent of their supply from renewable sources by 2017. This SB will affect statewide GHG emissions associated with electricity generation. In 2008, Governor Schwarzenegger signed Executive Order (EO) S-14-08, which set the Renewables Portfolio Standard (RPS) 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. EO S-14-08 was later superseded by EO S-21-09 on September 15, 2009. EO S-21-09 directed the ARB to adopt regulations requiring 33 percent of electricity sold in the State to come from renewable energy by 2020. Statute SB X1-2 superseded this EO 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 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.

### **Executive Order S-06-06**

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 EO 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 EO also calls for the State to meet a target for use of biomass electricity. The Bioenergy Action Plans developed by CEC 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 provides a 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.

In 2019, 2.87 percent of the total electrical system power in California was derived from biomass (CEC 2020).

### **Executive Order B-48-18: Zero Emission Vehicles**

In January 2018, Governor Brown signed EO 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.

### **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 EAP 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 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.

### **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 CBC 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 CBC, 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 2019 Building Energy Efficiency Standards (2019 Standards), adopted in May 2018, addressed 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. The 2019 Standards required new residential and non-residential construction; as well as major alterations to existing structures, to include electric vehicle (EV)-capable parking spaces which have electrical panel capacity and conduit to accommodate future installation. In addition, the 2019 Standards also required the installation of solar photovoltaic (PV) systems for low-rise residential dwellings, defined as single-family dwellings and multi-family dwellings up to three-stories in height. These requirements are based on various factors, including the floor area of the home, sun exposure, and climate zone. Under the 2019 standards, nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades (CEC 2018).

The recently updated 2022 Building Energy Efficiency Standards (2022 Standards), which were approved in December 2021, encourages efficient electric heat pumps, establishes electric-ready requirements when natural gas is installed and to support the future installation of battery storage, and further expands solar photovoltaic and battery storage standards. The 2022 Standards extend solar PV system requirements, as well as battery storage capabilities for select land uses, including high-rise multi-family and non-residential land uses, such as office buildings, schools, restaurants, warehouses, theaters, grocery stores, and more. Depending on the land use and other factors, solar systems should be sized to meet targets of up to 60 percent of the structure's loads. These new solar requirements will become effective January 1, 2023 and contribute to California's goal of reaching net-zero carbon footprint by 2045 (CEC 2022).

## **Advanced Clean Cars Program**

In January 2012, ARB 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 (ARB 2016).

## **Local**

### **City of Santa Maria General Plan Resource Management Element**

The City of Santa Maria General Plan contains a Resources Management Element (RME) (City of Santa Maria 2001). The Element is a comprehensive long-range planning document that sets forth goals, policies, objectives, and programs to address the conservation and preservation of energy resources by increasing energy efficiency of buildings, appliances, and buildings to the use of alternative forms of energy. Applicable energy policies and objectives include, but are not limited to:

- Policy 6.2: Promote the reduction of overall consumption of limited, non-renewable energy sources, the increase in the efficient use of energy, and the utilization of cost-effective, renewable sources of energy.
- Objective 6.1.b(2): Encourage innovative building and site design which maximizes energy efficiency in private and public facilities.
- Objective 6.1.b(4): Contribute to the energy efficiency of the community through street orientation, the placement of buildings and the use of shading.

The RME also refers to the Circulation Element to implement and promote alternative transportation modes and other transportation system management into project designs such as bicycle and pedestrian paths and those support facilities (e.g., as bicycle lockers and showers), ridesharing programs, and transit improvements (bus turnouts, shelters, and benches).

## IMPACT ANALYSIS

### Thresholds of Significance

In accordance with Appendix F and G of the California Environmental Quality Act (CEQA) Guidelines, energy use impacts associated with the proposed project would be considered significant if it would:

- a) Result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation; or
- b) 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 Impacts*

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 0.05739 gallons of diesel fuel per horsepower-hour derived from the California Air Resources Board (ARB) Off-Road Diesel Emissions Factors (ARB 2017a). Energy uses were quantified for site preparation, grading, building construction, and paving. Demolition would not occur with project implementation. Proposed land uses are summarized in Table 1.



**Table 1. Planned Land Uses**

Use	Size	Employees/Residents
General Commercial	131,100 sf	456
High Density Residential Apartment	400 units	1088
High Density Residential Townhouse	95 units	258
Total	131,100 sf & 495 units	1,802 Residents
sf = square feet Source: SWCA 2022		

## Operational Impacts

The long-term operation of the proposed project would require electricity and natural gas usage for lighting, water conveyance, and landscaping maintenance equipment. Indirect energy use would include 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 2020.4.0. 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 VMT associated with the proposed project. A maximum daily trip rate of 14,842 was used to calculate mobile-source emissions. (ATE 2022). Annual energy usage was quantified based on CalEEMod default assumptions for PG&E, including compliance with renewable portfolio standards. Average fuel usage rates by vehicle class, fuel type (e.g., diesel, gasoline, electric, and natural gas), and calendar year were obtained from Santa Barbara County's emissions inventory that's derived from ARB's Emissions Factors (EMFAC) 2017 version 1.0.3 (ARB 2017b).

## Project Impacts and Mitigation Measures

**Impact E-A. Would the project result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?**

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, including fuel use associated with the on-site operation of off-road equipment and vehicles traveling to and from the construction site. Table 2 summarizes the levels of energy consumption associated with project construction. As depicted, the operation of off-road construction equipment would use an estimated total of 197,755 gallons of diesel. On-road vehicles would use an estimated total of 98,136 gallons of gasoline and 15,261 gallons of diesel. In total, construction fuel use would equate to approximately 41,069 million British thermal units (MMBTU). 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 facilities. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to five minutes in accordance with Santa Barbara County Air Pollution Control District (SBCAPCD) requirements. Furthermore, implementation of Air Quality Mitigation Measure AQ-1.2 includes numerous measures that would further reduce construction-related fuel use and promote the use of alternative fuels. 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, the construction of the proposed project would not result in an inefficient, wasteful, or unnecessary consumption of energy. This impact would be considered **less than significant**.

**Table 2. Construction Energy Consumption**

Source	Total Fuel Use (gallons)	Total MMBTU
<b>Phase 1</b>		
Off-Road Equipment Use (Diesel)	197,755	27,168
On-Road Vehicles (Gasoline)	98,136	11,804
On-Road Vehicles (Diesel)	15,261	2,097
Total:		41,069
MMBTU = Million British thermal units		
Fuel use was calculated based, in part, on default construction schedules, the equipment uses, 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.		

### Operational Mobile-Source Energy Consumption

Operational mobile-source energy consumption would be primarily associated with vehicle trips to and from the project. Table 3 summarizes the annual fuel use at project build-out. As noted in Table 3, the vehicle trips associated with the proposed land uses would consume an annual estimated 76,414 gallons of diesel and 412,601 gallons of gasoline. The development of increasingly efficient automobile engines would result in increased energy efficiency and energy conservation. Implementation of Greenhouse Gas Mitigation Measure GHG-1 would also help to promote the use of alternative means of transportation and help to ensure that the proposed project meets or exceeds applicable building code requirements. The proposed project would not result in increased fuel usage that would be considered unnecessary, inefficient, or wasteful. This impact would be considered **less than significant**.

**Table 3. Operational Fuel Consumption**

Source	Annual Fuel Use (gallons)	Annual MMBTU
<b>Scenario 1 (Phase 1 and Phase 2)</b>		
On-Road Vehicles (Diesel)	76,414	10,498
On-Road Vehicles (Gasoline)	412,601	49,630
Total:		60,128
MMBTU = Million British thermal units		
Fuel use was calculated based, in part, on project trip generation rates derived from the traffic analysis for the project (ATE 2022).		
Refer to Appendix A for modeling assumptions and results.		

### 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.

Estimated electricity and natural gas consumption associated with the proposed facilities are summarized in Table 4. As depicted, the project would result in the annual consumption of approximately 3,856,306 kilowatt hours (kWh) of electricity, 231,812 kWh of water, and 12,126,017 kilo British thermal units (kBtu) of natural gas. In total, the proposed facilities would consume an annual total of approximately 26,075 MMBTU. The development of increasingly efficient building fixtures would result in increased energy efficiency and energy conservation. The project would be subject to energy conservation requirements in the CEC (Title 24, Part 6, of the California Code of Regulations, California's Energy Efficiency Standards for Residential and Nonresidential Buildings) and the California Green Building Standards Code (CALGreen) (Title 24, Part 11 of the California Code of Regulations). However, additional measures would be required to support the State's goal of achieving carbon neutrality by year 2045, per the ARB's Draft 2022 Climate Change Scoping Plan Update and Executive Order B-55-18. For this reason, this impact would be considered **potentially significant**.

**Table 4. Operational Electricity, Water, and Natural Gas Consumption**

Source	Annual Energy Use	Annual MMBTU
<b>Residential and Commercial</b>		
Electricity (kWh)	3,856,306	13,158
Water (kWh)	231,812	791
Natural Gas Use (kBTU)	12,126,017	12,126
Total:		26,075
MMBTU = Million British thermal units; kWh = Kilowatt hour; kBTU = Kilo British thermal unit		

**Mitigation Measures**

Implement Mitigation Measure GHG-2.

**Energy-1:** The project shall include the following measures:

- Meet or exceed Cal Green Tier 2 standards at the time of development for building energy efficiency.
- Meet or exceed Cal Green building standards at the time of development for water conservation (e.g. use of low flow water fixtures, water efficient irrigation systems, and draught tolerant landscaping).
- All built-in appliances shall be Energy Star certified or equivalent.
- To the extent allowed by the building code at the time of development, incorporate natural lighting in buildings to minimize daytime lighting demand.
- Outdoor lighting shall be designed to minimize electrical demand, such as the use of solar-powered lighting and lighting controlled by motion sensors.
- Proposed residential and non-residential land uses shall elect to receive electricity from Central Coast Community Energy (3CE).

**Significance After Mitigation**

Implementation of Mitigation Measure Energy-1 would include measures that would further reduce project-related energy use. In addition, Mitigation Measure GHG-1 would prohibit the use of natural gas-fired equipment/appliances. Pacific Gas & Electric Company (PG&E) has historically been the primary electricity provider within the City of Santa Maria. Central Coast Community Energy (3CE, formerly Monterey Bay Community Power) is striving to provide 100 percent electricity from renewable sources by 2030. Electing to receive energy from 3CE would ensure increased use of electricity from renewable sources. In addition, Mitigation Measure GHG-2 would prohibit the use of natural gas for proposed residential and commercial development. With mitigation, this impact would be considered **less than significant**.

**Impact E-B. Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?**

The project would be required to be in full compliance with the CBC, including applicable green building standards and building energy efficiency standards. However, as noted above, additional measures would be required to support the State's goal of achieving carbon neutrality by year 2045, per the ARB's Draft 2022 Climate Change Scoping Plan Update and Executive Order B-55-18. For this reason, this impact would be considered **potentially significant**.

Implementation of Mitigation Measure Energy-1 and Mitigation Measure GHG-2 would ensure consistency with the City's General Plan RME. The City's General Plan RME ensures the conservation and preservation of energy resources by increasing the energy efficiency of buildings, appliances, and buildings to the use of alternative forms of energy. The project would not conflict with other goals and policies set forth in RME pertaining to renewable energy and energy efficiency. Furthermore, implementation of Mitigation Measure Energy-1 would ensure that the proposed project meets or exceeds building code requirements related to building energy efficiency. Mitigation Measure Energy-1 would also require proposed land uses to obtain electricity from 3CE, which would further ensure the use of electricity from renewable sources in support of the State's carbon neutrality goal per Executive Order B-55-18 and ARB's 2022 Draft Climate Change Scoping Plan. With mitigation, the proposed project would not conflict with state or local plans for renewable energy or energy efficiency. With mitigation, this impact would be considered **less than significant**.

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# **APPENDIX A**

## **Energy Modeling**



## Energy Use Summary Operational Year 2027 Mitigated

### Construction Energy Use

	Gallons	Annual MMBTU
Off-Road Equipment Fuel (Diesel)	197,755	27,168
On-Road Vehicle Fuel (Gasoline)	98,136	11,804
On-Road Vehicle Fuel (Diesel)	15,261	2,097
<b>Total:</b>		41,069

### Operational Fuel Use

	Gallons	Annual MMBTU
Mobile Fuel (Diesel)	76,414	10,498
Mobile Fuel (Gasoline)	412,601	49,630
<b>Total:</b>		60,128

### Operational Electricity & Natural Gas Use

	Annual Energy	Annual MMBTU
Electricity (kWh/yr, MMBTU)	3,856,306	13,158
Water Use, Treatment & Conveyance (kWh/Yr, MMBTU)	231,812	791
Natural Gas (kBTU/yr, MMBTU)	12,126,017	12,126
<b>Total:</b>		26,075

## 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)
Grubbing	30	Concrete/Industrial Saws	81	1	8	30	0.73	0.05739	814
		Excavators	158	3	8	30	0.38	0.05739	2481
		Rubber Tired Dozers	247	2	8	30	0.4	0.05739	2722
Site Prep Residential	20	Rubber Tired Dozers	247	3	8	20	0.4	0.05739	2722
		Tractors/Loaders/Backhoes	97	4	8	20	0.37	0.05739	1318
Site Prep Commercial	10	Rubber Tired Dozers	247	3	8	10	0.4	0.05739	1361
		Tractors/Loaders/Backhoes	97	4	8	10	0.37	0.05739	659
Grading Residential	45	Excavators	158	2	8	45	0.38	0.05739	2481
		Graders	187	1	8	45	0.41	0.05739	1584
		Rubber Tired Dozers	247	1	8	45	0.4	0.05739	2041
		Scrapers	367	2	8	45	0.48	0.05739	7279
		Tractors/Loaders/Backhoes	97	2	8	45	0.37	0.05739	1483
Grading Commercial	20	Excavators	158	1	8	20	0.38	0.05739	551
		Graders	187	1	8	20	0.41	0.05739	704
		Rubber Tired Dozers	247	1	8	20	0.4	0.05739	907
		Tractors/Loaders/Backhoes	97	3	8	20	0.37	0.05739	989
Construction Residential	557	Cranes	231	1	7	557	0.29	0.05739	14990
		Forklifts	89	3	8	557	0.2	0.05739	13656
		Generator Sets	84	1	8	557	0.74	0.05739	15896
		Tractors/Loaders/Backhoes	97	3	7	557	0.37	0.05739	24093
		Welders	46	1	8	557	0.45	0.05739	5294
Construction Commercial	557	Cranes	231	1	7	557	0.29	0.05739	14990
		Forklifts	89	3	8	557	0.2	0.05739	13656
		Generator Sets	84	1	8	557	0.74	0.05739	15896
		Tractors/Loaders/Backhoes	97	3	7	557	0.37	0.05739	24093
		Welders	46	1	8	557	0.45	0.05739	5294
Paving Residential	35	Pavers	130	2	8	35	0.48	0.05739	2005
		Paving Equipment	132	2	8	35	0.36	0.05739	1527
		Rollers	80	2	8	35	0.38	0.05739	977
Paving Commercial	20	Pavers	130	2	8	20	0.42	0.05739	1003
		Paving Equipment	132	2	8	20	0.36	0.05739	873
		Rollers	80	2	8	20	0.38	0.05739	558
Architectural Coating Residential	469	Air Compressor	78	1	6	469	0.42	0.05739	5291
Architectural Coating Commercial	587	Air Compressor	78	1	6	587	0.48	0.05739	7568

Equipment usage assumptions based on default assumptions contained in CalEEMod.

\*Based on CARB Off-road Diesel Emissions Factors <https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions->

<b>Total Diesel Fuel Use (Gallons):</b>	197755
<b>Number of Construction Years:</b>	3.21
<b>Average Diesel Fuel Use/Year:</b>	61606
<b>BTU/Gallon:</b>	137381
<b>BTU:</b>	27167712998
<b>MMBTU:</b>	27168



# Construction Fuel Use - On-Road Vehicles

Activity	Grubbing	Site Prep Commercial	Sire Prep Residential	Grading Commercial	Grading Residential	Construction Commercial	Construction Residential	Arch Coating Commercial	Arch Coating Residential	Paving Commercial	Paving Residential
Days	30	10	20	20	45	557	557	587	469	20	35
Worker Trips	15	18	18	15	20	156	356	15	71	31	15
Miles/Trip	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Total VMT	3735	1494	2988	2490	7470	721203.6	1645823.6	73081.5	276381.7	5146	4357.5
Vendor Trips	0	0	0	0	0	64	53	0	0	0	0
Miles/Trip	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Total VMT	0	0	0	0	0	228147.2	188934.4	0	0	0	0
Haul Trips	0	0	0	0	0	0	0	0	0	0	0
Miles/Trip	20	20	20	20	20	20	20	20	20	20	20
Total VMT	0	0	0	0	0	0	0	0	0	0	0

	Annual VMT	Gallons/Mile*	Gallons	BTU/gallon**	BTU	MMBTU
HDT	0	0.18853355	0	137381	0	0.00
LDA	914724	0.03099285	28350	120286	3410094841	3410.09
LDT1	914724	0.03634600	33247	120286	3999094404	3999.09
LDT2	914724	0.03994594	36539	120286	4395189648	4395.19
MDV	417082	0.03658918	15261	137381	2096526421	2096.53

\*Gallons per mile based on year 2027 conditions for Santa Barbara 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](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	1.56540407	171.4361318	77744.39644	5531474.113		
LDT1	0.0127893	21.07885122	353.7104788	579949.616		
LDT2	0.48712851	90.58711624	17222.23218	2267742.808		
MDV	1.5961722	79.94299312	43624.16292	1679831.445		
HDT***	3.506774894	0.041176945	18600.26949	181.9970735		
Total	7.158268975	363.0862693	157544.7715	10059179.98		10216724.75
Percent of Total			1.54%	98.46%		
LDA-Miles/Gallon	49.98340818	32.26550935				
LDA-Gallons/Mile	0.020006639	0.030992847				
LDT1-Miles/Gallon	27.65674585	27.51334073				
LDT1-Gallons/Mile	0.036157544	0.036346004				
LDT2-Miles/Gallon	35.35459688	25.03383375				
LDT2-Gallons/Mile	0.028284865	0.039945939				
MDV-Miles/Gallon	27.33048661	21.01286654				
MDV-Gallons/Mile	0.036589177	0.04758989				
HDT-Miles/Gallon	5.304095659	0.000226251				
HDT-Gallons/Mile	0.188533553	4419.877957				

\*Fuel consumptions derived from EMFAC2017 (v1.0.2) for year 2027 conditions.

\*\*VMT derived from EMFAC2017 (v1.0.2) for year 2027 conditons.

\*\*\*HDT diesel engine T7 CAIRP construction, T7 single construction, T7 tractor construction. HDT gasoline engine T7IS.

Fuel consumption and VMT based on the Santa Barbara County.

## Operational Fuel Use - Proposed Project Year 2027 Mitigated

LAND USE	Total Annual VMT
Santa Maria Richards Ranch	11,526,540

	VMT	Gallons/Mile*	Gallons	BTU/gallon**	BTU	MMBTU
<b>Diesel</b>	821062	0.09306695	76414	137381	10497792026	10497.79
<b>Gasoline</b>	10705478	0.03854112	412601	120286	49630138363	49630.14

\*Gallons per mile based on year 2027 conditions for Santa Barbara 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](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	0.87267849		8054.095974	
LDA	1.55540407	171.4361318	78720.03072	5603760.867
LDT1	0.0127893	21.07885122	316.4537309	591852.1255
LDT2	0.48712851	90.58711624	18212.01448	2269108.914
LHD1	8.94045887	21.4264202	159047.74	177362.0339
LHD2	3.4622276	3.859200951	55050.21612	27862.75303
MDV	1.5961722	79.94299312	45204.32391	1649801.916
MH	0.3427297	1.909102267	3361.327856	9093.686583
Motor Coach	0.60854221		3892.800988	
PTO	1.30449828		6385.277652	
SBUS	3.50895045	1.957408529	27823.04546	17564.90792
T6 Ag	0.02857563		255.0726458	
T6 CAIRP heavy	0.23120399		2636.941683	
T6 CAIRP small	0.02581603		271.4334468	
T6 instate construction heavy	0.58954613		4876.888274	
T6 instate construction small	2.32037044		19204.508	
T6 instate heavy	8.19173228		80131.57253	
T6 instate small	8.71568685		83239.49586	
T6 OOS heavy	0.12546484		1427.694801	
T6 OOS small	0.016107		169.8386503	
T6 Public	0.51586725		3659.178556	
T6 utility	0.10198059		932.1105666	
T7 Ag	0.01577202		91.34935093	
T7 CAIRP	4.49940406		30491.76433	
T7 CAIRP construction	0.59733741		3503.111212	
T7 NNOOS	5.22021014		37187.08228	
T7 NOOS	1.81146287		11975.4194	
T7 other port	1.41602468		7887.271609	
T7 Public	1.07415573		5569.499192	
T7 Single	5.23770123		32157.53457	
T7 single construction	1.58139579		8690.574588	
T7 SWCV	0.86295066		1914.88941	
T7 tractor	5.78182503		42511.47128	
T7 tractor construction	1.3280417		7168.95891	
T7 utility	0.05028985		297.322696	
UBUS	1.75305021	0.581478796	11227.46071	3020.045788
MCY		2.218870471		85954.16176
OBUS		1.932746561		9133.056854
T6TS		6.827467462		32410.38409
T7IS		0.041176945		169.8963109
<b>Total</b>	74.78355206	403.7989646	803545.7714	10477094.75
<b>Percent of Total</b>			7.12%	92.88%
<b>Miles/Gallon</b>	10.74495326	25.94631405		
<b>Gallons/Mile</b>	0.093066947	0.03854112		

11280640.52

\*Fuel consumptions derived from EMFAC2017 (v1.0.2) for year 2027 conditons.

\*\*VMT derived from EMFAC2017 (v1.0.2) for year 2027 conditons.

Fuel consumption and VMT based on the Santa Barbara County.

## Operational Electricity & Natural Gas Use Year 2027 Mitigated

	kWh/yr	MWh/Yr	BTU/kWh*	BTU	MMBTU
Electricity	3856306	3856	3412	13157714741	13158

\*Energy coefficient derived from US EIA.

[https://www.eia.gov/energyexplained/index.php?page=about\\_energy\\_units](https://www.eia.gov/energyexplained/index.php?page=about_energy_units)

	kBTU/yr			BTU	MMBTU
Natural Gas	12126017			12126017000	12126

\*Energy coefficient derived from US EIA.

[https://www.eia.gov/energyexplained/index.php?page=about\\_energy\\_units](https://www.eia.gov/energyexplained/index.php?page=about_energy_units)

Water Energy Use Year 2027 Mitigated

	WATER USE*		ELECTRIC INTENSITY FACTORS		ANNUAL ELECTRIC USE (kWh/Yr)		
	MGAL/YR	INDOOR	OUTDOOR	INDOOR	OUTDOOR	TOTAL	
ANNUAL INDOOR WATER USE	43.98	3500		153920		231,812	
ANNUAL OUTDOOR WATER USE	22.26		3500		77893		

\*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](https://www.eia.gov/energyexplained/index.php?page=about_energy_units)

BTU/kWh\*\* 3412  
BTU: 790942544  
MMBTU: 790.94



# SIERRA DELTA CONSULTANTS LLC

A Full Service Consulting Company

## PHASE I ENVIRONMENTAL SITE ASSESSMENT

Approximately 43.64 acres of vacant land east of the intersection of  
State Highway 135 and Union Valley Parkway  
Orcutt, CA 93455  
APN: 107-250-019 / 020 / 021 / 022

*Prepared for*

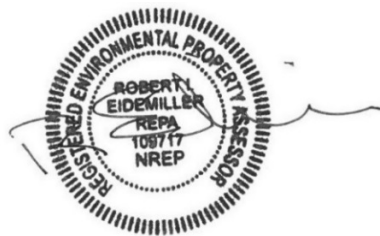
Richards Ranch LLC  
P.O. Box 13914  
San Luis Obispo, CA 93406

SDC Project Number: *MD3I.01*

Report Date: *June 16, 2021*

---

*I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable Federal, State and Local Statutes, Regulations and Ordinances. I developed and performed the AAI in conformance with the federal rule.*



Robert I. Eidemiller, Environmental Professional  
***Sierra Delta Consultants***

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## EXECUTIVE SUMMARY

SIERRA DELTA CONSULTANTS LLC (“SDC”) performed a Phase I Environmental Site Assessment (“ESA”) in conformance with the scope and limitations of ASTM Practice E1527-13 for the property identified as Assessor’s Parcel Number(s) (APN(s): 107-250-019/020/021/022. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. The ESA was requested by Richards Ranch LLC and conducted between June 7, 2021 and June 16, 2021. No address is associated with the Subject Property which consists of: Approximately 43.64 acres of vacant land east of the intersection of Highway 135 and Union Valley Parkway in Orcutt, CA 93455.

### Property Description

***The Subject Property is comprised of approximately 43.64 acres of vacant land located east of the intersection of Highway 135 and Union Valley Parkway.***

### Findings

Recognized Environmental Conditions (RECs) are defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, at, or on 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. De minimis conditions are not recognized environmental conditions.

- ***SDC found that this assessment has revealed no evidence of RECs on or associated with the Subject Property.***

Historical Recognized Environmental Conditions (HRECs) are defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

- ***SDC found that this assessment has revealed no evidence of HRECs on or associated with the Subject Property.***

Controlled Recognized Environmental Conditions (CRECs) are defined by the ASTM Standard Practice E1527-13 as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation or required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)).

- ***SDC found that this assessment has revealed no evidence of CRECs on or associated with the Subject Property.***

Business Environmental Risks (BERs) are defined by the ASTM Standard Practice E1527-13 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in the standard ASTM scope. BERs may affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the Subject Property.

- ***SDC found that this assessment has revealed no evidence of BERs on or associated with the Subject Property.***

***It is SDC's opinion that no conditions indicative of current releases or threatened releases associated with the Subject Property were identified during the research and development of this report. It is SDC's opinion that the risk for contamination at the Subject Property is minimal and that no further investigation of the Subject Property is warranted at this time.***

***A completed questionnaire was not received by the date of this report; therefore SDC was unable to determine if the owner / knowledgeable party is aware of any recognized environmental conditions associated with the Subject Property. As per the ASTM E 1527-13 Standard, "Failure to conduct these inquiries could result in a determination that "all appropriate inquiry" is not complete"; therefore not providing CERCLA Liability Protection.***

***SDC recommends that the owner / knowledgeable party complete the questionnaire located in Appendix C.***



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Appendix E – Radius Report

## 1.0 INTRODUCTION

This report contains the results of a Phase I Environmental Site Assessment (“ESA”) conducted for the Subject Property. Sierra Delta Consultants LLC (“SDC”) was retained by:

Richards Ranch LLC  
P.O. Box 13914  
San Luis Obispo, CA 93406

Authorization to proceed on the project was granted via email from Michael D. Stoltey on June 7, 2021. This report of findings completes the agreed upon scope of services.

### 1.1 Purpose

The purpose of this Phase I ESA was to identify recognized environmental conditions in connection with the Subject Property as defined by ASTM Standard E1527-13 at the time of the site reconnaissance. This practice is intended to permit the user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response Compensation and Liability Act (CERCLA) liability.

### 1.2 Detailed Scope of Services

This Phase I ESA was prepared according to the ASTM Standard E1527-13 which complies with the EPA’s (AAI) All Appropriate Inquiries federal regulations. SDC utilized a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to the ASTM Standard E1527-13 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the Subject Property through a review of referenced sources which may include topographic maps and geologic, soils and hydrologic reports.
- Usage of the Subject Property and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports and interviews.
- Observations and interviews regarding the Subject Property usage and conditions including: the use, treatment, storage, disposal or generation of hazardous substances, petroleum products, hazardous wastes, nonhazardous solid wastes and wastewater.
- Usage of adjoining and surrounding area properties and the likely impact of known or suspected releases of hazardous substances or petroleum products from those properties on the Subject Property.

- Information in referenced environmental agency databases and local environmental records, within the specified approximate minimum search distances from the Subject Property.

### **1.3 Significant Assumptions**

There is the possibility that even with the proper application of these methodologies there may exist on the Subject Property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. SDC believes that the information obtained from the record review and the interviews concerning the site is reliable. However, SDC cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The methodologies of this assessment are not intended to produce all-inclusive or comprehensive results, but rather to provide the user with information relating to the Subject Property.

### **1.4 Limitations and Exceptions**

SDC has prepared this Phase I ESA report using reasonable efforts to identify recognized environmental conditions associated with hazardous substances or petroleum products at the Subject Property. Findings contained within this report are based on information collected from observations made on the day of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The professional services performed do not guarantee compliance with federal, state or local laws, regulations and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this report, SDC is not responsible for consequences or conditions arising from facts not fully disclosed to SDC during the assessment.

The scope of this Phase I ESA is limited to: observations made during the site visit; observations made during the off-site reconnaissance; interviews with knowledgeable persons, interviews with public agency personnel, and reviews of readily available published and unpublished reports, literature, and historical sources. As a result, these conclusions are based on information supplied by others, and interpretations by qualified personnel. Any conclusions and/or recommendations made in this report are subject to modification if subsequent information is obtained by SDC.

It is impossible to predict events that may occur after the site visit, such as illegal dumping or disposal, accidental spillage or the inaccuracy of the published or unpublished reports, literature or documents referenced herein. There is no assessment thorough enough to completely exclude the presence of hazardous waste or substances at any site. Therefore, if none are identified as part of a limited scope of work, such a conclusion should not be construed as a guaranteed absence of such materials. It is merely the result of the assessment.

This report provides opinions of SDC concerning recognized environmental conditions at the Subject Property. It is possible, despite the use of reasonable care and interpretation, SDC may have failed to identify regulatory violations or the presence of hazardous substances, underground storage tanks, or other obscured or subsurface areas of potential environmental concern. SDC assumes no responsibility for conditions that were not specifically evaluated or conditions that were not generally recognized as environmentally unacceptable at the time this report was prepared.

This report was prepared according the ASTM Standard E1527-13 which complies with the EPA's (AAI) All Appropriate Inquiries federal regulations; however, SDC elected to diverge from the ASTM Standard E1527-13 Standard Practice for Environmental Site Assessments in the following areas:

- A 50-year Chain of Title report was not requested by the Client; therefore, only the title history available through the sources mentioned in this report were reviewed.

## **1.5 Special Terms and Conditions**

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described herein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the client. No subsurface exploratory drilling or sampling was done under the scope of this work. Unless specifically stated otherwise in the report, no chemical analysis has been performed during the course of this ESA. Section 4.6 of the ASTM Standard Practice for Phase I Environmental Site Assessments (E 1527-13) states that the Phase I ESA shall be valid for up to 180 days from the date of issuance.

## **1.6 User Reliance**

This Report was prepared by Sierra Delta Consultants LLC ("Consultant") for the sole and exclusive use of Richards Ranch LLC. Nothing under the Agreement between Sierra Delta Consultants LLC and its Client, Richards Ranch LLC, shall be construed to give any rights or benefits to anyone other than Client and Consultant, and all duties and responsibilities undertaken pursuant to the Agreement will be for the sole and exclusive benefit of Client and Consultant and not for the benefit of any other party. In particular, Consultant does not intend, without its written consent, for this Report to be disseminated to anyone other than Client or to be used or relied upon by anyone other than its Client. Use of the Report by any other person is unauthorized and such use is at the sole risk of the user. Anyone using or relying upon this Report, agrees, by virtue of its use, to indemnify and hold harmless, Consultant from and against all claims and damages arising out of, or resulting from the performance of the work by Consultant involving this Report or pollution-related activities.

## 1.7 Non-Scope Considerations

Non-scope issues as per Section 13 of the ASTM E1527-13, which include, but are not limited to, asbestos-containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment, industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance and wetlands were not addressed as they are non-scope issues.

## 1.8 Data Gaps

The report shall identify and comment on significant data gaps that affect the ability of the environmental professional to identify recognized environmental conditions and identify the sources of information that were consulted to address the data gaps. A data gap is a failure to achieve the historical research by the Environmental Site Assessment despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by the Environmental Site Assessment, including, but not limited to site reconnaissance and interviews. The ASTM standard states that a data gap by itself is not inherently significant, but is only significant if other information and/or professional experience raise reasonable concerns about the data gap.

In the event that data gaps are identified, SDC will endeavor to comment on the significance of those gaps. However, SDC cannot, and does not warrant or guarantee that no significant event, releases, or conditions arose during periods such as data gaps.

**Aerial photographs were not available for the site prior to 1957 or at five year intervals, however, because of the availability of other data sources, the absence of earlier aerial photographs or at five year intervals is not considered to comprise a significant data gap.**

## 2.0 SITE DESCRIPTION

The following sections describe the Subject Property.

### 2.1 Location and Legal Description

No address is associated with the Subject Property which consists of: Approximately 43.64 acres of vacant land east of the intersection of Highway 135 and Union Valley Parkway in Orcutt, CA 93455. The Subject Property identified as Assessor's Parcel Numbers (APNs): 107-250-019/020/021/022 is located in Santa Barbara County, CA.

A regional map is included herein as Figure 1. A vicinity map is included herein as Figure 2.

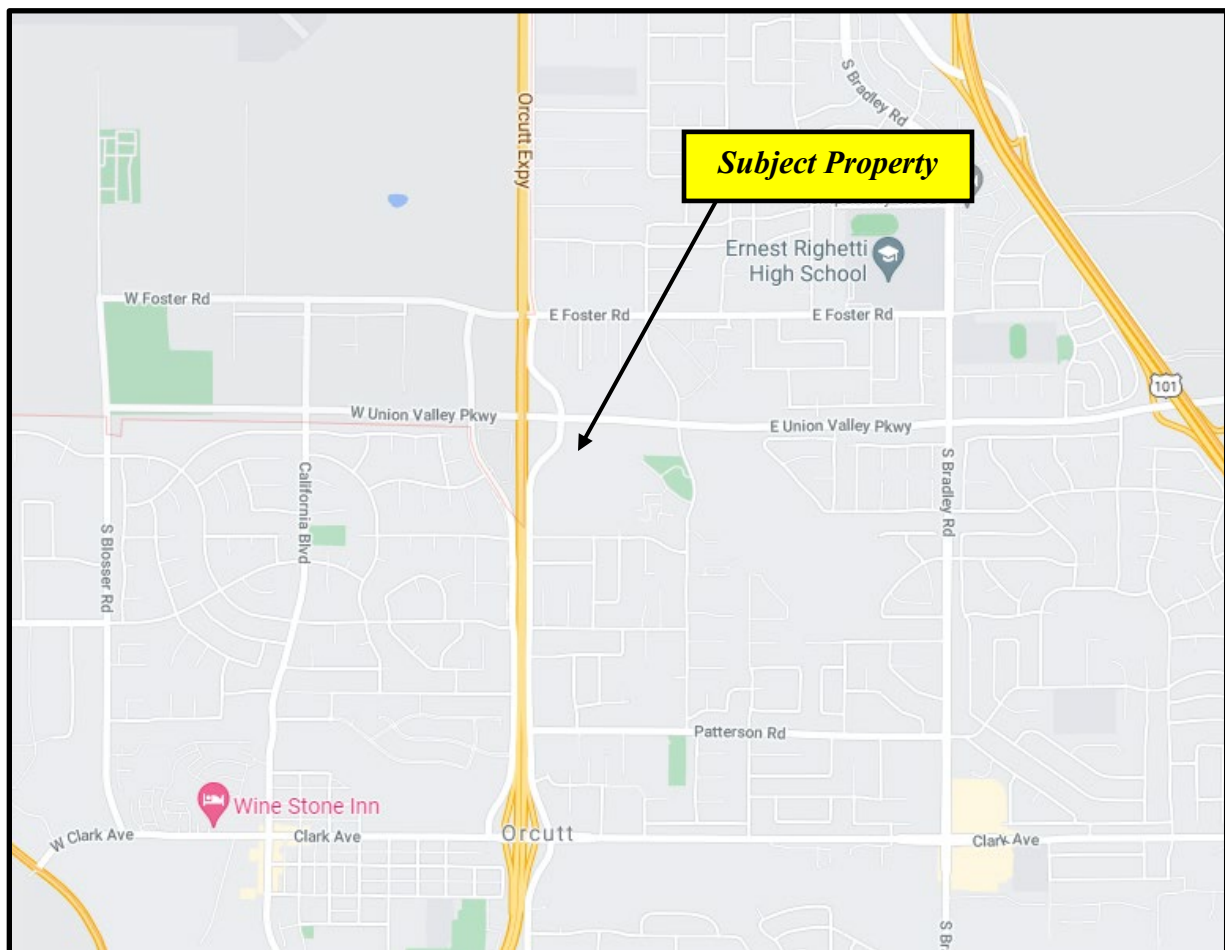


Figure 1: Regional Map.



*\*The aerial photograph is provided for reference and may not depict current site conditions. Property lines are approximations. No Scale.*

**Figure 2:** Vicinity Map (Google Earth, 2019).

## 2.2 Site and Vicinity General Characteristics

The Subject Property is located east of the intersection of Highway 135 and Union Valley Parkway in an area of primarily residential development.

### 2.3 Current Use of the Subject Property

The Subject Property is currently undeveloped land.

## 2.4 Description of Subject Property Improvements

The following section describes general conditions and features as noted during SDC's inspection of the Subject Property.



**2.4.1 Hazardous Materials / Storage**

No areas of hazardous materials storage were noted on the Subject Property.

**2.4.2 Refuse Disposal**

No signs of illegal dumping were observed at the time of the site reconnaissance.

**2.4.3 Roads**

The Subject Property can be accessed from Union Valley Parkway or Orcutt Road / Hwy 135.

**2.4.4 Vegetation**

No diseased or distressed vegetation was observed on the Subject Property at the time of the site reconnaissance.

**2.4.5 Utilities**

The following table lists utility providers for the area of the Subject Property.

**Table 1:** Utility providers for the Subject Property

<b>Service</b>	<b>Provider</b>
Water	City of Santa Maria
Sewer	City of Santa Maria
Power	Pacific Gas & Electric
Gas	The Gas Company

**2.5 Current Use of the Adjoining Properties**

The current uses for the adjoining properties are listed in Table 2.

**Table 2:** Current land uses for the adjoining properties

<b>Direction</b>	<b>Land Use</b>
North	Residential
South	Church & Residential
East	Residential & Vacant Land
West	Highway 135 followed by Residential & Vacant Land

### 3.0 PHYSICAL SETTING

#### 3.1 Topography

The Subject Property is located within the Santa Maria Quadrangle of the USGS 7.5-minute topographic map series. The elevation of the Subject Property is approximately 345 feet above mean sea level. A topographic map is included herein as Figure 3.

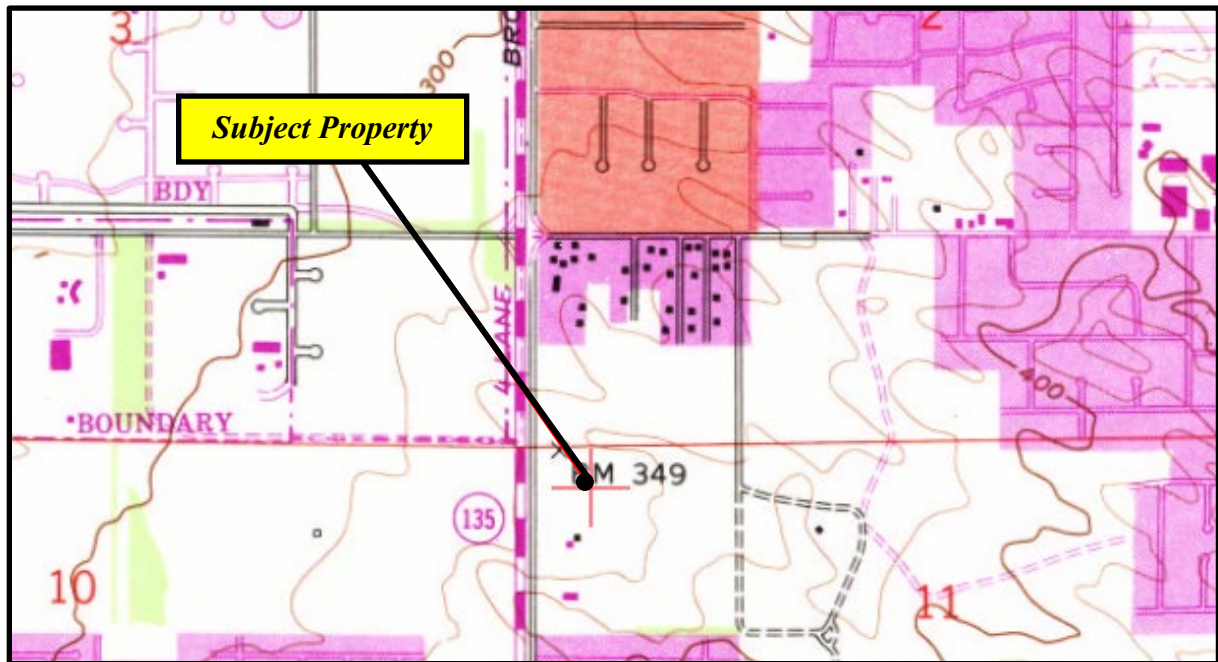


Figure 3: Topographic Map (USGS, 1982).

#### 3.2 Regional Geology / Hydrology

The Subject Property is located within the Santa Maria Groundwater Basin. The Santa Maria Main Groundwater Basin is an alluvial basin of 170 mi<sup>2</sup> that is bordered by the Nipomo Mesa and Sierra Madre Foothills to the north, the San Rafael Mountains to the east, the Solomon-Casmalia Hills to the south and the Pacific Ocean to the west. The Basin is situated in the northwest portion of Santa Barbara County and extends into the southwest portion of San Luis Obispo County. The Valley is approximately 28 miles long and 12 miles wide. Average rainfall varies from about 12 to 16 inches per year within the basin. Surface drainage is primarily from the Sisquoc and Santa Maria Rivers that traverse the north side of the basin from east to west. Orcutt Creek, Bradley Canyon, Cat Canyon and Foxen Canyon are the primary drainages on the south side of the basin. The aquifer is considered to be essentially continuous hydrologically with the exception of clay lenses that cause localized confinement. Depressions of the water table occur in areas of heavy pumping.

Groundwater is found in alluvium, dune sands, and the Orcutt, Paso Robles, Pismo, and Careaga Formations. Groundwater is unconfined throughout most of the basin except in the coastal portion where it is confined.

Depth to groundwater has been recorded as approximately 75 - 80 feet below ground surface based on monitoring well data in the area.

## **4.0 HISTORICAL RECORDS REVIEW**

According to the ASTM Standard E1527-13 all obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. The following sections summarize historical research for the Subject Property and adjoining properties. For copies of the historical records mentioned below the reader is referred to Appendix D.

### **4.1 Aerial Photographs**

SDC reviewed available aerial photographs of the Subject Property and surrounding areas. Aerial photographs were reviewed for the years 1956, 1968, 1994, 2009 and 2019. Aerial photographs were available online at UCSB Library FrameFinder and U.S.G.S. EarthExplorer. The most recent aerial photograph was viewed on Google Earth. The following is a summary of the observations and interpretations noted during the aerial photograph review:

#### **2019**

The Subject Property appears to be undeveloped.

#### **1956 / 1968 / 1994 / 2009**

The Subject Property appears to be primarily undeveloped, however structures were noted on the southwest portion of the property.

### **4.2 Historical USGS Topographic Maps**

SDC reviewed available historical United States Geological Survey (USGS) Topographic Maps for information regarding past uses of the Subject Property. The USGS Topographic Map(s) were reviewed for the years 1947 and 1982.

- Review of the historical USGS Topographic Maps did not identify past uses indicating recognized environmental conditions at the Subject Property or surrounding area. A copy of the 1982 USGS Topographic Map is provided in the previous Figure 3.

### **4.3 Sanborn Fire Insurance Maps**

In the late nineteenth century, the Sanborn Company began preparing maps of central business districts for use by fire insurance companies. These maps were updated and expanded geographically periodically through the twentieth century. The Sanborn maps often indicate construction materials of specific building structures and the location of fuel storage tanks.

- Sanborn maps were unavailable for the area of the Subject Property.

## **5.0 USER PROVIDED INFORMATION**

The following section summarizes information provided by the user of this report (Richards Ranch LLC). In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that “all appropriate inquiry” is not complete.

### **5.1 Title Records**

Title records were provided for review by the User. SDC reviewed title information obtained from First American Title Company. Review of the title information did not identify any environmental liens associated with the Subject Property. For a copy of the property profile the reader is referred to Appendix A.

### **5.2 Environmental Liens or Activity and Use Limitations**

SDC was not informed by the user of any environmental liens or activity and use limitations (AULs). Title documents did not identify any liens or AULs for the Subject Property.

### **5.3 Specialized Knowledge**

SDC was not informed by the user of any specialized knowledge or experience related to the Subject Property or nearby properties.

### **5.4 Commonly Known or Reasonably Ascertainable Information**

The user did not inform SDC of commonly known or reasonably ascertainable information about the Subject Property or nearby properties which aided in identifying recognized environmental conditions.

### **5.5 Valuation Reduction for Environmental Issues**

The user did not indicate to SDC any information to suggest that the valuation of the Subject Property is significantly less than the valuation for comparable properties due to environmental factors.

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

A Site Questionnaire was not completed by the owner of the Subject Property.

A completed questionnaire was not received by the date of this report; therefore SDC was unable to determine if the owner / knowledgeable party is aware of any recognized environmental conditions associated with the Subject Property. As per the ASTM E 1527-13 Standard, “Failure to conduct these inquiries could result in a determination that “all appropriate inquiry” is not complete”; therefore not providing CERCLA Liability Protection.

SDC recommends that the owner / knowledgeable party complete the questionnaire located in Appendix C.

## **5.7 Reasons for Performing Phase I**

SDC understands that the findings of this Phase I ESA will be used to evaluate a pending financial transaction associated with the Subject Property.

## 6.0 RECORDS REVIEW

Information in this section is based solely on the specific references contained within each subsection. Sources of information may include: commercially available and proprietary regulatory databases, regulatory agency files, personal interviews and telephone interviews. In some of the following subsections, the words up gradient, cross gradient, and down gradient refer to the presumed groundwater flow direction in relation to the Subject Property. These determinations are based subjectively on regional hydrogeologic information, topographic maps and local site conditions described in Section 4.3. Using the ASTM definition of migration, SDC considers the migration of hazardous substances or petroleum products in any form onto the Subject Property during the evaluation of each site listed within regulatory databases, which include solid, liquid, and vapor. For a copy of the regulatory database report obtained during the research and development of this Phase I ESA the reader is referred to Appendix E.

### 6.1 Regulatory Database Summary

**Table 3:** Regulatory Database Search Results Summary

Database	Search Radius (miles)	Subject Property	Adjacent Properties	Sites of Concern
Federal NPL or Delisted NPL Sites	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Sites	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSD Facility	0.50	N	N	N
Federal RCRA Generators Sites (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	NA	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Sites	0.50	N	N	N

Database	Search Radius (miles)	Subject Property	Adjacent Properties	Sites of Concern
State/Tribal Leaking Underground Storage Tank Site (LUST) / SLICs	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
Additional Environmental Records (Local)	0.50	N	N	N
Records of Emergency Release Reports – CHMIRS, MCS, SPILLS90	Subject Property & Adjacent	N	N	N
Other Ascertainable Records / Hazardous Substances – HMMD, HAZNET, FINDS, ECHO, CUPA, CERS Listings	0.50	Y	N	N
EDR Historical Sites / Govt Archives – Auto, Gas, Cleaners, UST	0.25	N	N	N

*\*Sites may be listed in more than one database.*

#### **6.1.1 Subject Property Listings**

- The Subject Property was listed in the CIWQS database during review of the regulatory database report. The listing is associated with a permit for storm water construction which was terminated in 2014.

#### **6.1.2 Adjacent Property Listings**

- Adjacent properties were not identified during review of the regulatory database report.

#### **6.1.3 Sites of Concern**

- No sites of concern were identified during review of the regulatory database report. All identified sites should be considered low risk to the Subject Property based on the responsible party being identified, site type, distance, cleanup status, lack of listings pertaining to any spills or releases of hazardous substances and/or gradient with respect to groundwater flow in the area.



## **6.2 Regulatory Agencies**

### **6.2.1 Health Department**

The Santa Barbara County Environmental Health Services (EHS) is the agency that has been designated the Certified Unified Program Agency (CUPA) for the Subject Property. The CUPA identifies facilities that may have to prepare; a Hazardous Materials Business Plan, a Federal Risk Management Plan (RMP), or a California Accidental Release Prevention (CalARP) plan; or any combination of these plans. Additionally, the CUPA agency may provide oversight for the remediation of contaminated sites

- **SDC contacted the EHS for files pertaining to the Subject Property. No response was received by the date of this report.**

### **6.2.2 Air Pollution Control District**

The Santa Barbara County Air Pollution Control District (APCD) maintains a database, which contains information on properties (or “sites”) where airborne hazardous substances have been released, or where the potential for such a release exists.

- **SDC contacted the APCD for files pertaining to the Subject Property and reviewed the APCD permitted facilities map. No records were identified for the Subject Property.**

### **6.2.3 Regional Water Quality Agency**

The Regional Water Quality Control Board (RWQCB) maintains the GeoTracker database. The GeoTracker database contains information on sites that impact, or have the potential to impact, water quality in California.

- **The Subject Property was not listed within the GeoTracker database.**

### **6.2.4 Department of Toxic Substances Control**

The Department of Toxic Substances Control (DTSC) maintains the EnviroStor and Hazardous Waste Tracking System (HWTS) databases. EnviroStor contains information on environmental cleanups and permitted facilities in California. The HWTS provides information on hazardous waste manifesting.

- **The Subject Property was not listed within the EnviroStor or HWTS database.**

### **6.2.5            *Oil and Gas Exploration***

The Geologic Energy Management Division's (CalGEM) online mapping application Well Finder presents California's oil and gas industry information from the geographic perspective. Find and locate oil and gas wells and other types of related facilities throughout the state. Search by address, latitude/longitude, unique well number (also known as "API"), Public Land Survey System (PLSS) township/range/section, or by oil and gas field names. Dig deeper into individual well records. Explore where permits have been issued for oil and gas operations. Investigate wells by their type of use, such as oil and gas producers versus injectors.

- **No operating or abandoned oil or gas wells were identified on or adjacent to the Subject Property.**

### **6.2.6            *CalEPA Regulated Site Portal***

The CalEPA Regulated Site Portal is a website that combines data about environmentally regulated sites and facilities in California into a single, searchable database and interactive map. The portal was created to provide a more holistic view of regulated activities statewide. By combining data from a variety of state and federal databases, the portal provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials.

- **The CalEPA Regulated Site Portal was searched for records pertaining to the Subject Property. No records were identified.**

### **6.2.7            *Planning Department***

The County of Santa Barbara Planning Division is responsible establishing land use policies and plans and subsequently implementing them.

- **The Subject Property is currently zoned C-2: Commercial. No Activity Use Limitations (AULs) or Engineering Controls (ECs) were identified for the Subject Property.**

## 7.0 SITE RECONNAISSANCE

SDC conducted a site reconnaissance survey of the subject and adjacent properties on June 16, 2021. The following is a summary of the visual and/or physical observations made during the site reconnaissance.

### 7.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of: the Subject Property and improvements; adjoining sites as viewed from the Subject Property; and, the surrounding area based on visual observations made during the trip to and from the Subject Property. Unimproved portions of the Subject Property (if any) were observed along the perimeter and in a general grid pattern in safely accessible areas. Building exteriors (if any) were observed along the perimeter from the ground, unless described otherwise. Building interiors (if any) were observed as they were made safely accessible, unless described otherwise.

During the site reconnaissance, the entire property was surveyed.

### 7.2 General Site Settings and Summaries

The following table summarizes the general site settings including interior and exterior observation of structures (if any) along with additional information obtained during the research and development of this report.

**Table 3:** Subject Property Summary

Report Component	Summary
General Site Settings / Structures:	The Subject Property is currently undeveloped land.
Roads:	The Subject Property can be accessed from Union Valley Parkway or Orcutt Road / Hwy 135.
Topography:	The elevation of the Subject Property is approximately 345 feet above mean sea level.
Hazardous materials storage tanks and storage areas:	No areas of hazardous materials storage were noted on the Subject Property.
Refuse disposal:	No signs of illegal dumping were observed at the time of the site reconnaissance.
Stressed vegetation (from other than insufficient water):	No diseased or distressed vegetation was observed on the Subject Property at the time of the site reconnaissance.
Surface water flooding:	None noted by SDC during the site reconnaissance.
Odors:	No unusual odors were identified by SDC personnel during the site reconnaissance.
Pools of liquid:	None noted by SDC during the site reconnaissance.

Electrical or hydraulic equipment know or likely to contain Polychlorinated Biphenyls (PCBs):	None noted by SDC during the site reconnaissance.
Unidentified substance containers (including empty drum storage):	None noted by SDC during the site reconnaissance.
Stained soil and pavement, corrosion, and degradation of floors and walls:	None noted by SDC during the site reconnaissance.
Pits, ponds, lagoons, sumps:	None noted by SDC during the site reconnaissance.
Solid waste and waste water:	None noted by SDC during the site reconnaissance.
Wells (including dry wells, irrigation wells, injection wells, or monitoring wells):	None noted by SDC during the site reconnaissance.
Septic systems:	None noted by SDC during the site reconnaissance.
High voltage electrical lines:	None noted by SDC during the site reconnaissance.
High-pressure gas or fuel transmission lines:	None noted by SDC during the site reconnaissance.
Railroad tracks:	None noted by SDC during the site reconnaissance.
Potential off-site sources:	None noted by SDC during the site reconnaissance.
Inaccessible or Un-surveyed portions of Subject Property:	During the site reconnaissance, the entire property was surveyed.

## **8.0 INTERVIEWS**

### **8.1 Interview with Owner / Representative**

A Site Questionnaire was not completed by the owner of the Subject Property.

A completed questionnaire was not received by the date of this report; therefore SDC was unable to determine if the owner / knowledgeable party is aware of any recognized environmental conditions associated with the Subject Property. As per the ASTM E 1527-13 Standard, “Failure to conduct these inquiries could result in a determination that “all appropriate inquiry” is not complete”; therefore not providing CERCLA Liability Protection.

SDC recommends that the owner / knowledgeable party complete the questionnaire located in Appendix C.

### **8.2 Interview with Site Manager**

A site manager was not interviewed.

### **8.3 Interview with Occupants**

The Subject Property is undeveloped.

## 9.0 FINDINGS

### 9.1 Conclusions

***The Subject Property is comprised of approximately 43.64 acres of vacant land located east of the intersection of Highway 135 and Union Valley Parkway.***

#### Findings

Recognized Environmental Conditions (RECs) are defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, at, or on 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. De minimis conditions are not recognized environmental conditions.

- ***SDC found that this assessment has revealed no evidence of RECs on or associated with the Subject Property.***

Historical Recognized Environmental Conditions (HRECs) are defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

- ***SDC found that this assessment has revealed no evidence of HRECs on or associated with the Subject Property.***

Controlled Recognized Environmental Conditions (CRECs) are defined by the ASTM Standard Practice E1527-13 as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation or required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)).

- ***SDC found that this assessment has revealed no evidence of CRECs on or associated with the Subject Property.***

Business Environmental Risks (BERs) are defined by the ASTM Standard Practice E1527-13 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in the standard ASTM scope. BERs may affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the Subject Property.

- *SDC found that this assessment has revealed no evidence of BERs on or associated with the Subject Property.*

## 9.2 Recommendations

*It is SDC's opinion that no conditions indicative of current releases or threatened releases associated with the Subject Property were identified during the research and development of this report. It is SDC's opinion that the risk for contamination at the Subject Property is minimal and that no further investigation of the Subject Property is warranted at this time.*

*A completed questionnaire was not received by the date of this report; therefore SDC was unable to determine if the owner / knowledgeable party is aware of any recognized environmental conditions associated with the Subject Property. As per the ASTM E 1527-13 Standard, "Failure to conduct these inquiries could result in a determination that "all appropriate inquiry" is not complete"; therefore not providing CERCLA Liability Protection.*

*SDC recommends that the owner / knowledgeable party complete the questionnaire located in Appendix C.*

**10.0 REFERENCES**

CalePA Regulated Site Portal. 2021. [Online]. Available at: <https://siteportal.calepa.ca.gov/nsite/map/help>

Department of Toxic Substance Control (DTSC). 2021. EnviroStor Database [Online]. Available at: <https://www.envirostor.dtsc.ca.gov/public/>

Department of Toxic Substance Control; Hazardous Waste Tracking System (HWTS). 2021. [Online]. Available at: [http://hwts.dtsc.ca.gov/report\\_search.cfm?id=5](http://hwts.dtsc.ca.gov/report_search.cfm?id=5)

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Regional Water Quality Control Board (RWQCB). 2021. Geotracker [Online]. Available at: <https://geotracker.waterboards.ca.gov/>

Santa Barbara County Air Pollution Control District (APCD). 2021. 260 North San Antonio Road, Santa Barbara, CA, 93110. (805) 961-8800.

Santa Barbara County Environmental Health Services (EHS). 2021. 225 Camino Del Remedio, Santa Barbara, CA 93110. (805) 681-4901

USGS EarthExplorer, 2021. [Online]. Available at: <https://earthexplorer.usgs.gov/>



**11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL**

**NAME & TITLE:** Robb Eidemiller  
Director of Consulting Services Division  
**PROJECT ASSIGNMENT:** Principal-in-Charge  
**FIRM ASSOCIATION:** Sierra Delta Consultants LLC  
**EXPERIENCE WITH FIRM:** 35 years  
**WITH OTHER FIRMS:** 15 years

**EDUCATION:** M.S./1978/Geomorphology/Environmental  
Engineering/Louisiana State University  
  
B.A./1971/Geomorphology/ U.C.L.A.

**ENVIRONMENTAL PROFESSIONAL STATEMENT:**

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 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.

**11.1 Experience and Qualifications**

Mr. Eidemiller is Director of the Consulting Services Division of Sierra Delta Consultants LLC. He has over 40 years of project experience in the fields of project feasibility studies; environmental impact assessments and reports; baseline inventories; land use planning; permits acquisition; water resources development; project site location analyses; residential, commercial and industrial development plans; surface and subsurface mining reclamation plans; exploratory drilling and seismic exploration; hazardous waste definition and clean-up; and waste management.

Mr. Eidemiller's relevant experience would include being Principal-in-Charge for over 2000 Environmental Site Assessments (ESAs), Environmental Impact Statements (EISs) and Environmental Impact Reports (EIRs). Projects have involved oil and gas facilities, transmission lines, railroads, airports, sand and gravel operations, large and small housing projects, flood drainage projects, agricultural projects, golf courses, hotels, and commercial developments.

## **11.2 Sierra Delta Consultants LLC Profile**

SDC was founded in 1985 and offers numerous environmental consulting services. The following sections provide a brief discussion of environmental services provided by SDC.

### **11.2.1 Phase I and II Environmental Site Assessments**

The SDC Team conducts environmental site assessments for real estate transactions. These audits are an essential part of real estate and corporate transactions because they are the best way to identify environmental liabilities affecting the purchase, sale, lease, and financing of property.

The purpose of the assessment is to facilitate property transactions while providing some protection to the parties involved. Failure to address recent "Superfund" legislation regarding environmental contamination, liability, and clean-up responsibilities can result in property liens, staggering costs for remediation and liability for damages. We often recommend that the investigation be conducted at the request of the client's legal counsel to preserve confidentiality.

A comprehensive site history is conducted to assess current and past operations, and to discover any spills and discharges that may have occurred in the past. Regulatory permits, monitoring programs, and storage and handling procedures for by-products and wastes are reviewed. The site history may include examination of historical aerial photographs, site reconnaissance, and interviews with regulatory agencies and previous owners.

If indicated and warranted by the Phase I Environmental Site Assessment, additional testing may be conducted to delineate the level and extent of contamination (Phase II - Environmental Site Assessment). Sampling might include surface water, groundwater, soils, dust, insulation, and building atmospheres. Drilling may also be required around underground storage tanks. Samples are analyzed by an EPA approved laboratory and results reviewed by our staff. A confidential environmental audit report is presented to the client.

### **11.2.2 Environmental Studies**

The SDC team possesses the technical skill and experience to design and conduct a variety of ecological and environmental investigations. Many of the investigations recently conducted have been, and are, conducted in conjunction with the planning of development projects. Areas of specialization would include:

#### **11.2.2.1 Resources Management**

SDC provides resource management services including:

- mitigation planning
- water resources management
- wildlife management
- grazing management
- hazardous waste management

- cultural resources management
- water rights surveys
- visual quality analyses
- floodplain reclamation
- wetland habitat development and restoration

#### *11.2.2.2 Lake Management*

SDC provides lake management services including:

- follow-up services
- lake O&M plans
- lake restoration
- leak detection
- odor control
- proper utilization of secondary effluent for golf course irrigation
- water budgets
- water quality analyses

#### *11.2.2.3 Ecological Research*

SDC provides ecological research including:

- aquatic and terrestrial ecology
- endangered species studies
- vegetation surveys and studies
- fisheries biology
- riparian habitat studies
- soil science
- wildlife biology
- water quality analysis

#### *11.2.2.4 Wetland Regulation*

SDC provides wetland services including:

- wetland boundary determination using the multi-parameter approach
- preliminary assessment of regulatory requirements
- preliminary project design consultation regarding regulatory compliance
- determination of Clean Water Act (wetlands) jurisdiction
- 404(b)(1) alternatives analysis
- preparation of U.S. Army Corps of Engineers 404 permit
- mitigation planning, project re-design and agency negotiation
- public hearing participation

- EIR/EIS contractor liaison and/or management
- water quality certification procurement and other associated permits, certifications, and authorizations as required

#### *11.2.2.5 Environmental Assessments and Impact Statements*

SDC provides Impact Assessment services including:

- habitat characterization
- in-field water quality sampling
- inventories including terrestrial vegetation, aquatic vegetation, invertebrates, fishes, large mammals, birds, reptiles and amphibians, bathymetry, hydraulics, background acoustics, visual/aesthetic setting
- statistical analyses/data processing
- laboratory analyses including total alkalinity, nitrogen and phosphorus in H<sub>2</sub>O and bottom samples, chlorophyll
- Geographic Information Systems (GIS)
- cultural resources surveys
- reports and impact statements
- public participation programs

# **APPENDIX A**

# Property Detail Report

CA

APN: 107-250-019

Santa Barbara County Data as of: 06/08/2021

## Owner Information

Owner Name: Wal-Mart Stores Inc

Vesting:

Mailing Address: Property Tax #8013, Bentonville, AR 72712

Occupancy: Unknown

## Location Information

Legal Description:

APN: 107-250-019

Munic / Twnshp:

Subdivision:

Neighborhood:

Elementary School: Patterson Road Ele...

Latitude: 34.87877

Alternate APN:

Twnshp-Rng-Sec:

Tract #:

School District:

Middle School: Orcutt Junior High...

Longitude: -120.43579

County:

Santa Barbara, CA

Census Tract / Block:

Legal Lot / Block:

Legal Book / Page:

School District

High School: Ernest Righetti Hi...

## Last Transfer / Conveyance - Current Owner

Transfer / Rec Date:

Price:

Transfer Doc #:

Buyer Name:

Seller Name:

Deed Type:

## Last Market Sale

Sale / Rec Date:

Multi / Split Sale:

1st Mtg Amt / Type:

2nd Mtg Amt / Type:

Seller Name:

Lender:

Sale Price / Type:

Price / Sq. Ft.:

1st Mtg Rate / Type:

2nd Mtg Rate / Type:

Deed Type:

New Construction:

1st Mtg Doc #: N/A

Sale Doc #: N/A

Title Company:

## Prior Sale Information

Sale / Rec Date:

1st Mtg Amt / Type:

Prior Lender:

Sale Price / Type:

1st Mtg Rate / Type:

Prior Deed Type:

Prior Sale Doc #: N/A

## Property Characteristics

Gross Living Area:

Living Area:

Total Adj. Area:

Above Grade:

Basement Area:

Style:

Foundation:

Quality:

Condition:

Total Rooms:

0

Bedrooms:

Baths (F / H):

Pool:

Fireplace:

Cooling:

Heating:

Exterior Wall:

Construction Type:

Year Built / Eff:

Stories:

Parking Type:

Garage #:

Garage Area:

Porch Type:

Patio Type:

Roof Type:

Roof Material:

## Site Information

Land Use: Vacant Land (NEC)

State Use:

County Use: 0000 - Vacant Land

Site Influence:

Flood Zone Code: X

Community Name: Santa Barbara County  
Unincorporated Areas

Lot Area:

98,881 Sq. Ft.

Lot Width / Depth:

Usable Lot:

Acres:

2.27

Flood Map #:

06083C0195F

Flood Panel #:

0195F

Zoning:

# of Buildings:

Res / Comm Units:

Water / Sewer Type:

Flood Map Date: 09/30/2005

Inside SFHA: False

## Tax Information

Assessed Year:

2020

Tax Year:

2020

Tax Area:

080-041

Property Tax:

\$8,328.56

Exemption:

Assessed Value:

\$743,894

Land Value:

\$743,894

Improvement Value:

Improved %:

Delinquent Year:

Market Total Value:

Market Land Value:

Market Imprv Value:

Market Imprv %:

+ FIRST AMERICAN TITLE, 1LA, AD16		SANTA BARBARA, CA
06/16/2021 10:37AM BS1P		PAGE 1 OF 2
SANTA BARBARA 2020-21 TAX ROLL	ORDER SEARCH RESULTS	
ORDER: 00000000	TOF: 0	COMMENT:

PAYMENTS AS OF 06/14/2021  
SEARCH PARAMETERS

ENTERED APN: 107-250-019

✓ APN: 107-250-019	BILL: 2020-1079834
--------------------	--------------------

TRA: 80-041 - ORCUTT  
MAIL: BENTONVILLE AR 72712

ASSESSED OWNER(S)	2020-21 ASSESSED VALUES
-------------------	-------------------------

WAL-MART STORES INC	LAND	743,894
	TAXABLE	743,894

2020-21 TAXES	1ST INST	2ND INST	TOTAL TAX
STATUS	PAID	PAID	
PAYMENT DATE	12/10/2020	12/10/2020	
DELINQUENT DATE	12/10/2020	04/12/2021	
INSTALLMENT	4,164.28	4,164.28	8,328.56
PENALTY	416.42	446.42	862.84
BALANCE DUE	0.00	0.00	0.00

WARNINGS AND/OR COMMENTS
--------------------------

\*\* NO BONDS OR PRIOR YEAR DELQ TAXES \*\*

ASSESSMENT DETAIL			
FUND	TYPE	AMOUNT	DESCRIPTION OF ASSESSMENT(S)

0000	GENERAL	7,438.94	COUNTY GENERAL FUND
8355	SCHOOL	195.20	SANTA MARIA JT UN HIGH BOND 2004
7456	SCHOOL	175.11	ORCUTT BOND 2016 INT/REDEM
8356	SCHOOL	168.94	SANTA MARIA JT HS BOND 2016-H
9421	SCHOOL	162.76	ALLAN HANCOCK CC BOND 2006
7451	SCHOOL	118.73	ORCUTT UNION ELEM BOND 1999
8351	SCHOOL	67.62	SANTA MARIA JT UN HIGH BOND 2000
2511	MAINTENANCE	1.26	ORCUTT FLOOD ZONE BEN ASSMT
		8,328.56	TOTAL OF SPECIAL ASSESSMENTS

ADDITIONAL PROPERTY INFORMATION
---------------------------------

COUNTY USE CODE: 0000 LOT SQ FEET: 98,881  
STANDARD LAND USE: RESIDENTIAL LOT

CURRENT OPEN ORDERS			
TOF	COMPANY	ORDER	DATE

0	FA	0000000	06/16/2021
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CONDITIONS, DISCLAIMERS AND EXCLUSIONS:
This Tax Certificate/Tax Order Report does not constitute a report on or certification of: (1) mineral (productive and/or non-productive) taxes or leases; (2) personal property taxes; or (3) other non ad valorem taxes (such as paving liens, stand-by charges or maintenance assessments).

**+ FIRST AMERICAN TITLE, 1LA,  
AD16**

**SANTA BARBARA, CA**

**06/16/2021 10:37AM BS1P**

**PAGE 2 OF 2**

**SANTA BARBARA 2020-21 TAX ROLL**

**ORDER SEARCH RESULTS**

**ORDER: 0000000**

**TOF: 0**

**COMMENT:**

Data Trace Information Services LLC ("Data Trace") may have warranted the accuracy of this Tax Certificate/Tax Order Report to its customer (the "Data Trace Customer") pursuant to the terms and conditions of a written tax service agreement between Data Trace and said Data Trace Customer (the "Tax Service Agreement"). Any such warranty (hereinafter, "Data Trace Customer Warranty") does not: (a) extend to a third party bearer of this Tax Certificate/Tax Order Report; (b) cover any changes made to the records of the taxing authority after the "payments as of," "paid," or "payment" dates delineated above; and (c) cover any invalid tax information shown on the records of the taxing authority or resulting from an error by the Data Trace Customer (including, without limitation, submission of incorrect property information by said Data Trace Customer). DATA TRACE MAKES NO WARRANTIES (EXPRESS OR IMPLIED) WITH RESPECT TO THIS TAX CERTIFICATE/TAX ORDER REPORT OTHER THAN (WHERE APPLICABLE) THE DATA TRACE CUSTOMER WARRANTY. Any and all claims under a Data Trace Customer Warranty must be submitted to Data Trace by the corresponding Data Trace Customer and are subject to the terms and conditions set forth in the pertinent Tax Service Agreement (including, without limitation, the filing deadlines applicable to such claims). In some jurisdictions Data Trace's validation of a Tax Certificate/Tax Order Report is required to activate a Data Trace Customer Warranty.

**END OF SEARCH**



*SP* RECORDING REQUESTED BY:  
Stewart Title of California, Inc.

When Recorded Mail Document To:

Wal-Mart Stores, Inc.  
% J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

Escrow No. 5031619  
Title Order No. 99512646

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unin  
und*



2006-0076277

Recorded  
Official Records  
County Of  
SANTA BARBARA  
JOSEPH E. HOLLAND  
Recorder

REC FEE 19.00

08:01AM 28-Sep-2006

FGH  
Page 1 of 5

SPACE ABOVE THIS LINE FOR RECORDER'S USE

**TITLE OF DOCUMENT**

**Grant Deed**

Assessor's Identification Number (AIN) : 107-250-11, 12 & 13

SPL  
RECORDING REQUESTED BY  
STEWART TITLE

When Recorded Return To:

Wal-Mart Stores, Inc.  
c/o J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

MAIL TAX STATEMENTS TO:

Wal-Mart Stores, Inc.  
Property Tax Dept. 8013, Mail Stop 0550  
1301 S.E. 10<sup>th</sup> Street (ref Store No. 4576-00),  
Bentonville, AR 72716

DOCUMENTARY TRANSFER TAX:

NOT OF PUBLIC RECORD, PURSUANT TO REVENUE AND TAXATION CODE SECTION 11932

GRANT DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

RUTH ANN CARROLL ASISTIN AND KATHLEEN BRODIE, as Co-Successor Trustees of the Richards Family Trust of March 1, 1990, who acquired title as Ruth Ann Carroll and Kathleen Connell, Co-Successor Trustees of the Richards Family Trust,

do hereby GRANT to

WAL-MART STORES, INC., a Delaware corporation,

that certain real property in the City of Santa Maria, County of Santa Barbara, State of California, described on Exhibit "A", attached hereto and incorporated herein by reference.

RUTH ANN CARROLL ASISTIN AND  
KATHLEEN BRODIE, as Co-Successor  
Trustees of the Richards Family Trusts of  
March 1, 1990

By: Ruth Ann Carroll Asistin  
Ruth Ann Carroll Asistin

Dated: Aug 12, 2006

By: Kathleen Brodie  
Kathleen Brodie

Dated: August 18, 2006

**EXHIBIT "A"**

**LEGAL DESCRIPTION**

All that certain real property located in the City of Santa Maria, County of Santa Barbara, State of California, more particularly described as follows:

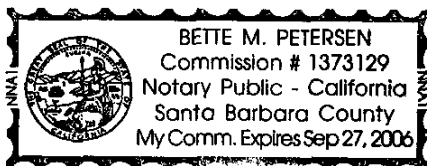
PARCELS A, B AND C OF PARCEL MAP NO. 11691 IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA, RECORDED IN BOOK 12 PAGE 57 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

**EXHIBIT "A"**

STATE OF California )  
COUNTY OF Santa Barbara )

On August 17, 2006, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Ruth Ann Carroll Asister, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

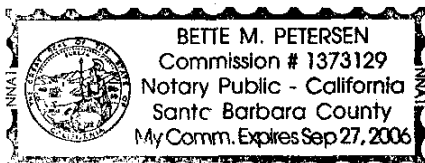


Bette M. Petersen  
\_\_\_\_\_, Notary Public

STATE OF California )  
COUNTY OF Santa Barbara )

On August 18, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Bohleen Bralier, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Bette M. Petersen  
\_\_\_\_\_, Notary Public

# ILLEGIBLE NOTARY SEAL DECLARATION

GOVERNMENT CODE 27361.7


I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary: Bette M. Petersen  
Date Commission Expires: September 27, 2006  
County where Bond is filed: Santa Barbara  
Commission Number: 1373129

Manufacturer/Vendor Identification Number: NNA1

Place of Execution of this declaration: Anaheim, California

Date: September 15, 2006

  
\_\_\_\_\_  
Stewart Title of California  
By: Bill Cuddy

# Property Detail Report

CA

APN: 107-250-020

Santa Barbara County Data as of: 06/08/2021

## Owner Information

Owner Name: Wal-Mart Stores Inc

Vesting:

Mailing Address: Property Tax #8013, Bentonville, AR 72712

Occupancy: Unknown

## Location Information

Legal Description:

APN: 107-250-020

Munic / Twnshp:

Subdivision:

Neighborhood:

Elementary School: Patterson Road Ele...

Latitude: 34.88022

Alternate APN:

Twnshp-Rng-Sec:

Tract #:

School District:

Middle School: Lakeview Junior Hi...

Longitude: -120.43577

County:

Santa Barbara, CA

Census Tract / Block:

Legal Lot / Block:

Legal Book / Page:

School District

High School: Ernest Righetti Hi...

## Last Transfer / Conveyance - Current Owner

Transfer / Rec Date:

Price:

Transfer Doc #:

Buyer Name:

Seller Name:

Deed Type:

## Last Market Sale

Sale / Rec Date:

Multi / Split Sale:

1st Mtg Amt / Type:

2nd Mtg Amt / Type:

Seller Name:

Lender:

Sale Price / Type:

Price / Sq. Ft.:

1st Mtg Rate / Type:

2nd Mtg Rate / Type:

Deed Type:

New Construction:

1st Mtg Doc #: N/A

Sale Doc #: N/A

Title Company:

## Prior Sale Information

Sale / Rec Date:

1st Mtg Amt / Type:

Prior Lender:

Sale Price / Type:

1st Mtg Rate / Type:

Prior Deed Type:

Prior Sale Doc #: N/A

## Property Characteristics

Gross Living Area:

Living Area:

Total Adj. Area:

Above Grade:

Basement Area:

Style:

Foundation:

Quality:

Condition:

Total Rooms:

0

Bedrooms:

Baths (F / H):

Pool:

Fireplace:

Cooling:

Heating:

Exterior Wall:

Construction Type:

Year Built / Eff:

Stories:

Parking Type:

Garage #:

Garage Area:

Porch Type:

Patio Type:

Roof Type:

Roof Material:

## Site Information

Land Use: Vacant Land (NEC)

State Use:

County Use: 0000 - Vacant Land

Site Influence:

Flood Zone Code: X

Community Name: Santa Barbara County  
Unincorporated Areas

Lot Area:

78,844 Sq. Ft.

Lot Width / Depth:

Usable Lot:

Acres:

1.81

Flood Map #:

06083C0195F

Flood Panel #:

0195F

Zoning:

# of Buildings:

Res / Comm Units:

Water / Sewer Type:

Flood Map Date: 09/30/2005

Inside SFHA: False

## Tax Information

Assessed Year:

2020

Tax Year:

2020

Tax Area:

080-041

Property Tax:

\$6,659.22

Exemption:

Assessed Value:

\$594,772

Land Value:

\$594,772

Improvement Value:

Improved %:

Delinquent Year:

Market Total Value:

Market Land Value:

Market Imprv Value:

Market Imprv %:

+ FIRST AMERICAN TITLE, 1LA, AD16		SANTA BARBARA, CA
06/16/2021 10:49AM BS1P		PAGE 1 OF 2
SANTA BARBARA 2020-21 TAX ROLL	ORDER SEARCH RESULTS	
ORDER: 00000000	TOF: 0	COMMENT:

PAYMENTS AS OF 06/14/2021  
SEARCH PARAMETERS

ENTERED APN: 107-250-020
✓ APN: 107-250-020 BILL: 2020-1079835
TRA: 80-041 - ORCUTT
MAIL: BENTONVILLE AR 72712

ASSESSED OWNER(S)	2020-21 ASSESSED VALUES
WAL-MART STORES INC	LAND 594,772
	TAXABLE 594,772

2020-21 TAXES	1ST INST	2ND INST	TOTAL TAX
STATUS	PAID	PAID	
PAYMENT DATE	12/10/2020	12/10/2020	
DELINQUENT DATE	12/10/2020	04/12/2021	
INSTALLMENT	3,329.61	3,329.61	6,659.22
PENALTY	332.96	362.96	695.92
BALANCE DUE	0.00	0.00	0.00

WARNINGS AND/OR COMMENTS
** NO BONDS OR PRIOR YEAR DELQ TAXES **

ASSESSMENT DETAIL			
FUND	TYPE	AMOUNT	DESCRIPTION OF ASSESSMENT(S)
0000	GENERAL	5,947.73	COUNTY GENERAL FUND
8355	SCHOOL	156.07	SANTA MARIA JT UN HIGH BOND 2004
7456	SCHOOL	140.01	ORCUTT BOND 2016 INT/REDEM
8356	SCHOOL	135.07	SANTA MARIA JT HS BOND 2016-H
9421	SCHOOL	130.14	ALLAN HANCOCK CC BOND 2006
7451	SCHOOL	94.93	ORCUTT UNION ELEM BOND 1999
8351	SCHOOL	54.06	SANTA MARIA JT UN HIGH BOND 2000
2511	MAINTENANCE	1.21	ORCUTT FLOOD ZONE BEN ASSMT
		6,659.22	TOTAL OF SPECIAL ASSESSMENTS

ADDITIONAL PROPERTY INFORMATION			
COUNTY USE CODE:	0000	LOT SQ FEET:	78,843
STANDARD LAND USE:	RESIDENTIAL LOT		

CONDITIONS, DISCLAIMERS AND EXCLUSIONS:
This Tax Certificate/Tax Order Report does not constitute a report on or certification of: (1) mineral (productive and/or non-productive) taxes or leases; (2) personal property taxes; or (3) other non ad valorem taxes (such as paving liens, stand-by charges or maintenance assessments).

**+ FIRST AMERICAN TITLE, 1LA,  
AD16**

**SANTA BARBARA, CA**

**06/16/2021 10:49AM BS1P**

**PAGE 2 OF 2**

**SANTA BARBARA 2020-21 TAX ROLL**

**ORDER SEARCH RESULTS**

**ORDER: 0000000**

**TOF: 0**

**COMMENT:**

Data Trace Information Services LLC ("Data Trace") may have warranted the accuracy of this Tax Certificate/Tax Order Report to its customer (the "Data Trace Customer") pursuant to the terms and conditions of a written tax service agreement between Data Trace and said Data Trace Customer (the "Tax Service Agreement"). Any such warranty (hereinafter, "Data Trace Customer Warranty") does not: (a) extend to a third party bearer of this Tax Certificate/Tax Order Report; (b) cover any changes made to the records of the taxing authority after the "payments as of," "paid," or "payment" dates delineated above; and (c) cover any invalid tax information shown on the records of the taxing authority or resulting from an error by the Data Trace Customer (including, without limitation, submission of incorrect property information by said Data Trace Customer). DATA TRACE MAKES NO WARRANTIES (EXPRESS OR IMPLIED) WITH RESPECT TO THIS TAX CERTIFICATE/TAX ORDER REPORT OTHER THAN (WHERE APPLICABLE) THE DATA TRACE CUSTOMER WARRANTY. Any and all claims under a Data Trace Customer Warranty must be submitted to Data Trace by the corresponding Data Trace Customer and are subject to the terms and conditions set forth in the pertinent Tax Service Agreement (including, without limitation, the filing deadlines applicable to such claims). In some jurisdictions Data Trace's validation of a Tax Certificate/Tax Order Report is required to activate a Data Trace Customer Warranty.

**END OF SEARCH**



*SP* RECORDING REQUESTED BY:  
Stewart Title of California, Inc.

When Recorded Mail Document To:

Wal-Mart Stores, Inc.  
% J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

Escrow No. 5031619  
Title Order No. 99512646

*5  
unin  
und*



2006-0076277

Recorded  
Official Records  
County Of  
SANTA BARBARA  
JOSEPH E. HOLLAND  
Recorder

REC FEE 19.00

08:01AM 28-Sep-2006

FGH  
Page 1 of 5

SPACE ABOVE THIS LINE FOR RECORDER'S USE

**TITLE OF DOCUMENT**

**Grant Deed**

Assessor's Identification Number (AIN) : 107-250-11, 12 & 13

SPL  
RECORDING REQUESTED BY  
STEWART TITLE

When Recorded Return To:

Wal-Mart Stores, Inc.  
c/o J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

MAIL TAX STATEMENTS TO:

Wal-Mart Stores, Inc.  
Property Tax Dept. 8013, Mail Stop 0550  
1301 S.E. 10<sup>th</sup> Street (ref Store No. 4576-00),  
Bentonville, AR 72716

DOCUMENTARY TRANSFER TAX:

NOT OF PUBLIC RECORD, PURSUANT TO REVENUE AND TAXATION CODE SECTION 11932

GRANT DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

RUTH ANN CARROLL ASISTIN AND KATHLEEN BRODIE, as Co-Successor Trustees of the Richards Family Trust of March 1, 1990, who acquired title as Ruth Ann Carroll and Kathleen Connell, Co-Successor Trustees of the Richards Family Trust,

do hereby GRANT to

WAL-MART STORES, INC., a Delaware corporation,

that certain real property in the City of Santa Maria, County of Santa Barbara, State of California, described on Exhibit "A", attached hereto and incorporated herein by reference.

RUTH ANN CARROLL ASISTIN AND  
KATHLEEN BRODIE, as Co-Successor  
Trustees of the Richards Family Trusts of  
March 1, 1990

By: Ruth Ann Carroll Asistin  
Ruth Ann Carroll Asistin

Dated: Aug 12, 2006

By: Kathleen Brodie  
Kathleen Brodie

Dated: August 18, 2006

**EXHIBIT "A"**

**LEGAL DESCRIPTION**

All that certain real property located in the City of Santa Maria, County of Santa Barbara, State of California, more particularly described as follows:

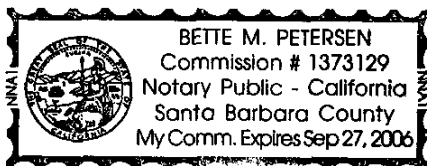
PARCELS A, B AND C OF PARCEL MAP NO. 11691 IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA, RECORDED IN BOOK 12 PAGE 57 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

**EXHIBIT "A"**

STATE OF California )  
COUNTY OF Santa Barbara )

On August 17, 2006, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Ruth Ann Carroll Asister, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

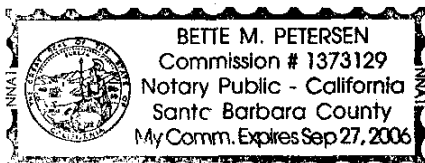


Bette M. Petersen  
\_\_\_\_\_, Notary Public

STATE OF California )  
COUNTY OF Santa Barbara )

On August 18, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Bohleen Bralier, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Bette M. Petersen  
\_\_\_\_\_, Notary Public

# ILLEGIBLE NOTARY SEAL DECLARATION

GOVERNMENT CODE 27361.7


I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary: Bette M. Petersen  
Date Commission Expires: September 27, 2006  
County where Bond is filed: Santa Barbara  
Commission Number: 1373129

Manufacturer/Vendor Identification Number: NNA1

Place of Execution of this declaration: Anaheim, California

Date: September 15, 2006

  
\_\_\_\_\_  
Stewart Title of California  
By: Bill Cuddyer

# Property Detail Report

CA

APN: 107-250-021

Santa Barbara County Data as of: 06/08/2021

## Owner Information

Owner Name: Wal-Mart Stores Inc

Vesting:

Mailing Address: Property Tax #8013, Bentonville, AR 72712

Occupancy: Unknown

## Location Information

Legal Description:

APN: 107-250-021

Munic / Twnshp:

Subdivision:

Neighborhood:

Elementary School: Patterson Road Ele...

Latitude: 34.88046

Alternate APN:

Twnshp-Rng-Sec:

Tract #:

School District:

Middle School: Lakeview Junior Hi...

Longitude: -120.43355

County:

Santa Barbara, CA

Census Tract / Block:

Legal Lot / Block:

Legal Book / Page:

School District

High School: Ernest Righetti Hi...

## Last Transfer / Conveyance - Current Owner

Transfer / Rec Date:

Price:

Transfer Doc #:

Buyer Name:

Seller Name:

Deed Type:

## Last Market Sale

Sale / Rec Date:

Multi / Split Sale:

1st Mtg Amt / Type:

2nd Mtg Amt / Type:

Seller Name:

Lender:

Sale Price / Type:

Price / Sq. Ft.:

1st Mtg Rate / Type:

2nd Mtg Rate / Type:

Deed Type:

New Construction:

1st Mtg Doc #: N/A

Sale Doc #: N/A

Title Company:

## Prior Sale Information

Sale / Rec Date:

1st Mtg Amt / Type:

Prior Lender:

Sale Price / Type:

1st Mtg Rate / Type:

Prior Deed Type:

Prior Sale Doc #: N/A

## Property Characteristics

Gross Living Area:

Living Area:

Total Adj. Area:

Above Grade:

Basement Area:

Style:

Foundation:

Quality:

Condition:

Total Rooms:

0

Bedrooms:

Baths (F / H):

Pool:

Fireplace:

Cooling:

Heating:

Exterior Wall:

Construction Type:

Year Built / Eff:

Stories:

Parking Type:

Garage #:

Garage Area:

Porch Type:

Patio Type:

Roof Type:

Roof Material:

## Site Information

Land Use: Vacant Land (NEC)

State Use:

County Use: 0000 - Vacant Land

Site Influence:

Flood Zone Code: X

Community Name: Santa Barbara County  
Unincorporated Areas

Lot Area:

529,690 Sq. Ft.

Lot Width / Depth:

Usable Lot:

Acres:

12.16

Flood Map #:

06083C0195F

Flood Panel #:

0195F

Zoning:

# of Buildings:

Res / Comm Units:

Water / Sewer Type:

Flood Map Date: 09/30/2005

Inside SFHA: False

## Tax Information

Assessed Year:

2020

Tax Year:

2020

Tax Area:

080-041

Property Tax:

\$44,703.66

Exemption:

Assessed Value:

\$3,993,250

Land Value:

\$3,993,250

Improvement Value:

Improved %:

Delinquent Year:

Market Total Value:

Market Land Value:

Market Imprv Value:

Market Imprv %:

+ FIRST AMERICAN TITLE, 1LA, AD16		SANTA BARBARA, CA
06/16/2021 10:50AM BS1P		PAGE 1 OF 2
SANTA BARBARA 2020-21 TAX ROLL	ORDER SEARCH RESULTS	
ORDER: 00000000	TOF: 0	COMMENT:

PAYMENTS AS OF 06/14/2021  
SEARCH PARAMETERS

ENTERED APN: 107-250-021

✓ APN: 107-250-021	BILL: 2020-1079836
--------------------	--------------------

TRA: 80-041 - ORCUTT  
MAIL: BENTONVILLE AR 72712

ASSESSED OWNER(S)	2020-21 ASSESSED VALUES
-------------------	-------------------------

WAL-MART STORES INC	LAND	3,993,250
	TAXABLE	3,993,250

2020-21 TAXES	1ST INST	2ND INST	TOTAL TAX
STATUS	PAID	PAID	
PAYMENT DATE	12/10/2020	04/08/2021	
DELINQUENT DATE	12/10/2020	04/12/2021	
INSTALLMENT	22,351.83	22,351.83	44,703.66
PENALTY	2,235.18	2,265.18	4,500.36
BALANCE DUE	0.00	0.00	0.00

WARNINGS AND/OR COMMENTS
--------------------------

\*\* NO BONDS OR PRIOR YEAR DELQ TAXES \*\*

ASSESSMENT DETAIL			
FUND	TYPE	AMOUNT	DESCRIPTION OF ASSESSMENT(S)
0000	GENERAL	39,932.51	COUNTY GENERAL FUND
8355	SCHOOL	1,047.83	SANTA MARIA JT UN HIGH BOND 2004
7456	SCHOOL	940.01	ORCUTT BOND 2016 INT/REDEM
8356	SCHOOL	906.87	SANTA MARIA JT HS BOND 2016-H
9421	SCHOOL	873.72	ALLAN HANCOCK CC BOND 2006
7451	SCHOOL	637.32	ORCUTT UNION ELEM BOND 1999
8351	SCHOOL	362.99	SANTA MARIA JT UN HIGH BOND 2000
2511	MAINTENANCE	2.41	ORCUTT FLOOD ZONE BEN ASSMT
		44,703.66	TOTAL OF SPECIAL ASSESSMENTS

ADDITIONAL PROPERTY INFORMATION
---------------------------------

COUNTY USE CODE: 0000 LOT SQ FEET: 529,689  
STANDARD LAND USE: RESIDENTIAL LOT

CONDITIONS, DISCLAIMERS AND EXCLUSIONS:
This Tax Certificate/Tax Order Report does not constitute a report on or certification of: (1) mineral (productive and/or non-productive) taxes or leases; (2) personal property taxes; or (3) other non ad valorem taxes (such as paving liens, stand-by charges or maintenance assessments).

**+ FIRST AMERICAN TITLE, 1LA,  
AD16**

**SANTA BARBARA, CA**

**06/16/2021 10:50AM BS1P**

**PAGE 2 OF 2**

**SANTA BARBARA 2020-21 TAX ROLL**

**ORDER SEARCH RESULTS**

**ORDER: 0000000**

**TOF: 0**

**COMMENT:**

Data Trace Information Services LLC ("Data Trace") may have warranted the accuracy of this Tax Certificate/Tax Order Report to its customer (the "Data Trace Customer") pursuant to the terms and conditions of a written tax service agreement between Data Trace and said Data Trace Customer (the "Tax Service Agreement"). Any such warranty (hereinafter, "Data Trace Customer Warranty") does not: (a) extend to a third party bearer of this Tax Certificate/Tax Order Report; (b) cover any changes made to the records of the taxing authority after the "payments as of," "paid," or "payment" dates delineated above; and (c) cover any invalid tax information shown on the records of the taxing authority or resulting from an error by the Data Trace Customer (including, without limitation, submission of incorrect property information by said Data Trace Customer). DATA TRACE MAKES NO WARRANTIES (EXPRESS OR IMPLIED) WITH RESPECT TO THIS TAX CERTIFICATE/TAX ORDER REPORT OTHER THAN (WHERE APPLICABLE) THE DATA TRACE CUSTOMER WARRANTY. Any and all claims under a Data Trace Customer Warranty must be submitted to Data Trace by the corresponding Data Trace Customer and are subject to the terms and conditions set forth in the pertinent Tax Service Agreement (including, without limitation, the filing deadlines applicable to such claims). In some jurisdictions Data Trace's validation of a Tax Certificate/Tax Order Report is required to activate a Data Trace Customer Warranty.

**END OF SEARCH**



*SP* RECORDING REQUESTED BY:  
Stewart Title of California, Inc.

When Recorded Mail Document To:

Wal-Mart Stores, Inc.  
% J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

Escrow No. 5031619  
Title Order No. 99512646

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und*



2006-0076277

Recorded  
Official Records  
County Of  
SANTA BARBARA  
JOSEPH E. HOLLAND  
Recorder

REC FEE 19.00

08:01AM 28-Sep-2006

FGH  
Page 1 of 5

SPACE ABOVE THIS LINE FOR RECORDER'S USE

**TITLE OF DOCUMENT**

**Grant Deed**

Assessor's Identification Number (AIN) : 107-250-11, 12 & 13

SPL  
RECORDING REQUESTED BY  
STEWART TITLE

When Recorded Return To:

Wal-Mart Stores, Inc.  
c/o J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

MAIL TAX STATEMENTS TO:

Wal-Mart Stores, Inc.  
Property Tax Dept. 8013, Mail Stop 0550  
1301 S.E. 10<sup>th</sup> Street (ref Store No. 4576-00),  
Bentonville, AR 72716

DOCUMENTARY TRANSFER TAX:

NOT OF PUBLIC RECORD, PURSUANT TO REVENUE AND TAXATION CODE SECTION 11932

GRANT DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

RUTH ANN CARROLL ASISTIN AND KATHLEEN BRODIE, as Co-Successor Trustees of the Richards Family Trust of March 1, 1990, who acquired title as Ruth Ann Carroll and Kathleen Connell, Co-Successor Trustees of the Richards Family Trust,

do hereby GRANT to

WAL-MART STORES, INC., a Delaware corporation,

that certain real property in the City of Santa Maria, County of Santa Barbara, State of California, described on Exhibit "A", attached hereto and incorporated herein by reference.

RUTH ANN CARROLL ASISTIN AND  
KATHLEEN BRODIE, as Co-Successor  
Trustees of the Richards Family Trusts of  
March 1, 1990

By: Ruth Ann Carroll Asistin  
Ruth Ann Carroll Asistin

Dated: Aug 12, 2006

By: Kathleen Brodie  
Kathleen Brodie

Dated: August 18, 2006

**EXHIBIT "A"**

**LEGAL DESCRIPTION**

All that certain real property located in the City of Santa Maria, County of Santa Barbara, State of California, more particularly described as follows:

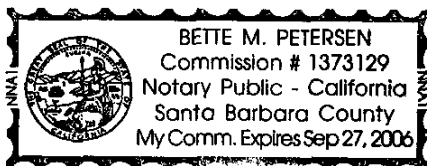
PARCELS A, B AND C OF PARCEL MAP NO. 11691 IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA, RECORDED IN BOOK 12 PAGE 57 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

**EXHIBIT "A"**

STATE OF California )  
COUNTY OF Santa Barbara )

On August 17, 2006, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Ruth Ann Carroll Asister, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

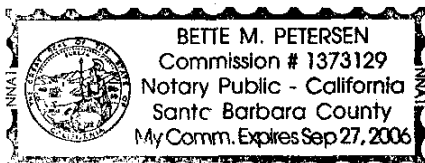


Bette M. Petersen  
\_\_\_\_\_, Notary Public

STATE OF California )  
COUNTY OF Santa Barbara )

On August 18, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Bohleen Bralier, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Bette M. Petersen  
\_\_\_\_\_, Notary Public

# ILLEGIBLE NOTARY SEAL DECLARATION

GOVERNMENT CODE 27361.7


I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary: Bette M. Petersen  
Date Commission Expires: September 27, 2006  
County where Bond is filed: Santa Barbara  
Commission Number: 1373129

Manufacturer/Vendor Identification Number: NNA1

Place of Execution of this declaration: Anaheim, California

Date: September 15, 2006

  
\_\_\_\_\_  
Stewart Title of California  
By: Bill Cuddy

# Property Detail Report

CA

APN: 107-250-022

Santa Barbara County Data as of: 06/08/2021

## Owner Information

Owner Name: Wal-Mart Stores Inc

Vesting:

Mailing Address: Property Tax #8013, Bentonville, AR 72712

Occupancy: Unknown

## Location Information

Legal Description:

APN: 107-250-022

Munic / Twnshp:

Subdivision:

Neighborhood:

Elementary School: Patterson Road Ele...

Latitude: 34.87764

Alternate APN:

Twnshp-Rng-Sec:

Tract #:

School District:

Middle School: Orcutt Junior High...

Longitude: -120.43358

County:

Santa Barbara, CA

Census Tract / Block:

Legal Lot / Block:

Legal Book / Page:

School District

High School: Ernest Righetti Hi...

## Last Transfer / Conveyance - Current Owner

Transfer / Rec Date:

Price:

Transfer Doc #:

Buyer Name:

Seller Name:

Deed Type:

## Last Market Sale

Sale / Rec Date:

Multi / Split Sale:

1st Mtg Amt / Type:

2nd Mtg Amt / Type:

Seller Name:

Lender:

Sale Price / Type:

Price / Sq. Ft.:

1st Mtg Rate / Type:

2nd Mtg Rate / Type:

Deed Type:

New Construction:

1st Mtg Doc #: N/A

Sale Doc #: N/A

Title Company:

## Prior Sale Information

Sale / Rec Date:

1st Mtg Amt / Type:

Prior Lender:

Sale Price / Type:

1st Mtg Rate / Type:

Prior Deed Type:

Prior Sale Doc #: N/A

## Property Characteristics

Gross Living Area:

Living Area:

Total Adj. Area:

Above Grade:

Basement Area:

Style:

Foundation:

Quality:

Condition:

Total Rooms:

0

Bedrooms:

Baths (F / H):

Pool:

Fireplace:

Cooling:

Heating:

Exterior Wall:

Construction Type:

Year Built / Eff:

Stories:

Parking Type:

Garage #:

Garage Area:

Porch Type:

Patio Type:

Roof Type:

Roof Material:

## Site Information

Land Use: Vacant Land (NEC)

State Use:

County Use: 0000 - Vacant Land

Site Influence:

Flood Zone Code: X

Community Name: Santa Barbara County  
Unincorporated Areas

Lot Area:

1,193,544 Sq. Ft.

Lot Width / Depth:

Usable Lot:

Acres:

27.4

Flood Map #:

06083C0195F

Flood Panel #:

0195F

Zoning:

# of Buildings:

Res / Comm Units:

Water / Sewer Type:

Flood Map Date: 09/30/2005

Inside SFHA: False

## Tax Information

Assessed Year:

2020

Tax Year:

2020

Tax Area:

080-041

Property Tax:

\$101,296.12

Exemption:

Assessed Value:

\$9,048,608

Land Value:

\$9,048,608

Improvement Value:

Improved %:

Delinquent Year:

Market Total Value:

Market Land Value:

Market Imprv Value:

Market Imprv %:

+ FIRST AMERICAN TITLE, 1LA, AD16		SANTA BARBARA, CA
06/16/2021 10:55AM BS1P		PAGE 1 OF 2
SANTA BARBARA 2020-21 TAX ROLL	ORDER SEARCH RESULTS	
ORDER: 00000000	TOF: 0	COMMENT:

PAYMENTS AS OF 06/14/2021  
SEARCH PARAMETERS

ENTERED APN: 107-250-022

✓ APN: 107-250-022	BILL: 2020-1079837
--------------------	--------------------

TRA: 80-041 - ORCUTT  
MAIL: BENTONVILLE AR 72712

ASSESSED OWNER(S)	2020-21 ASSESSED VALUES
-------------------	-------------------------

WAL-MART STORES INC	LAND	9,048,608
	TAXABLE	9,048,608

2020-21 TAXES	1ST INST	2ND INST	TOTAL TAX
STATUS	PAID	PAID	
PAYMENT DATE	12/10/2020	04/08/2021	
DELINQUENT DATE	12/10/2020	04/12/2021	
INSTALLMENT	50,648.06	50,648.06	101,296.12
PENALTY	5,064.80	5,094.80	10,159.60
BALANCE DUE	0.00	0.00	0.00

WARNINGS AND/OR COMMENTS
--------------------------

\*\* NO BONDS OR PRIOR YEAR DELQ TAXES \*\*

ASSESSMENT DETAIL			
FUND	TYPE	AMOUNT	DESCRIPTION OF ASSESSMENT(S)
0000	GENERAL	90,486.09	COUNTY GENERAL FUND
8355	SCHOOL	2,374.35	SANTA MARIA JT UN HIGH BOND 2004
7456	SCHOOL	2,130.04	ORCUTT BOND 2016 INT/REDEM
8356	SCHOOL	2,054.94	SANTA MARIA JT HS BOND 2016-H
9421	SCHOOL	1,979.84	ALLAN HANCOCK CC BOND 2006
7451	SCHOOL	1,444.16	ORCUTT UNION ELEM BOND 1999
8351	SCHOOL	822.52	SANTA MARIA JT UN HIGH BOND 2000
2511	MAINTENANCE	4.18	ORCUTT FLOOD ZONE BEN ASSMT
		101,296.12	TOTAL OF SPECIAL ASSESSMENTS

ADDITIONAL PROPERTY INFORMATION
---------------------------------

COUNTY USE CODE: 0000 LOT SQ FEET: 1,193,544  
STANDARD LAND USE: RESIDENTIAL LOT

CONDITIONS, DISCLAIMERS AND EXCLUSIONS:
This Tax Certificate/Tax Order Report does not constitute a report on or certification of: (1) mineral (productive and/or non-productive) taxes or leases; (2) personal property taxes; or (3) other non ad valorem taxes (such as paving liens, stand-by charges or maintenance assessments).

**+ FIRST AMERICAN TITLE, 1LA,  
AD16**

**SANTA BARBARA, CA**

**06/16/2021 10:55AM BS1P**

**PAGE 2 OF 2**

**SANTA BARBARA 2020-21 TAX ROLL**

**ORDER SEARCH RESULTS**

**ORDER: 0000000**

**TOF: 0**

**COMMENT:**

Data Trace Information Services LLC ("Data Trace") may have warranted the accuracy of this Tax Certificate/Tax Order Report to its customer (the "Data Trace Customer") pursuant to the terms and conditions of a written tax service agreement between Data Trace and said Data Trace Customer (the "Tax Service Agreement"). Any such warranty (hereinafter, "Data Trace Customer Warranty") does not: (a) extend to a third party bearer of this Tax Certificate/Tax Order Report; (b) cover any changes made to the records of the taxing authority after the "payments as of," "paid," or "payment" dates delineated above; and (c) cover any invalid tax information shown on the records of the taxing authority or resulting from an error by the Data Trace Customer (including, without limitation, submission of incorrect property information by said Data Trace Customer). DATA TRACE MAKES NO WARRANTIES (EXPRESS OR IMPLIED) WITH RESPECT TO THIS TAX CERTIFICATE/TAX ORDER REPORT OTHER THAN (WHERE APPLICABLE) THE DATA TRACE CUSTOMER WARRANTY. Any and all claims under a Data Trace Customer Warranty must be submitted to Data Trace by the corresponding Data Trace Customer and are subject to the terms and conditions set forth in the pertinent Tax Service Agreement (including, without limitation, the filing deadlines applicable to such claims). In some jurisdictions Data Trace's validation of a Tax Certificate/Tax Order Report is required to activate a Data Trace Customer Warranty.

**END OF SEARCH**



*SP* RECORDING REQUESTED BY:  
Stewart Title of California, Inc.

When Recorded Mail Document To:

Wal-Mart Stores, Inc.  
% J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

Escrow No. 5031619  
Title Order No. 99512646

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und*



2006-0076277

Recorded  
Official Records  
County Of  
SANTA BARBARA  
JOSEPH E. HOLLAND  
Recorder

REC FEE 19.00

08:01AM 28-Sep-2006

FGH  
Page 1 of 5

SPACE ABOVE THIS LINE FOR RECORDER'S USE

**TITLE OF DOCUMENT**

**Grant Deed**

Assessor's Identification Number (AIN) : 107-250-11, 12 & 13

SPL  
**RECORDING REQUESTED BY  
STEWART TITLE**

When Recorded Return To:

Wal-Mart Stores, Inc.  
c/o J. Matthew Wilcox, Esq.  
Gresham Savage Nolan & Tilden  
550 E. Hospitality Lane, Suite 300  
San Bernardino, CA 92408-4205

**MAIL TAX STATEMENTS TO:**

Wal-Mart Stores, Inc.  
Property Tax Dept. 8013, Mail Stop 0550  
1301 S.E. 10<sup>th</sup> Street (ref Store No. 4576-00),  
Bentonville, AR 72716

DOCUMENTARY TRANSFER TAX:

NOT OF PUBLIC RECORD, PURSUANT TO REVENUE AND TAXATION CODE SECTION 11932

**GRANT DEED**

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

RUTH ANN CARROLL ASISTIN AND KATHLEEN BRODIE, as Co-Successor Trustees of the Richards Family Trust of March 1, 1990, who acquired title as Ruth Ann Carroll and Kathleen Connell, Co-Successor Trustees of the Richards Family Trust,

do hereby GRANT to

WAL-MART STORES, INC., a Delaware corporation,

that certain real property in the City of Santa Maria, County of Santa Barbara, State of California, described on Exhibit "A", attached hereto and incorporated herein by reference.

RUTH ANN CARROLL ASISTIN AND  
KATHLEEN BRODIE, as Co-Successor  
Trustees of the Richards Family Trusts of  
March 1, 1990

By: Ruth Ann Carroll Asistin  
Ruth Ann Carroll Asistin

Dated: Aug 12, 2006

By: Kathleen Brodie  
Kathleen Brodie

Dated: August 18, 2006

**EXHIBIT "A"**

**LEGAL DESCRIPTION**

All that certain real property located in the City of Santa Maria, County of Santa Barbara, State of California, more particularly described as follows:

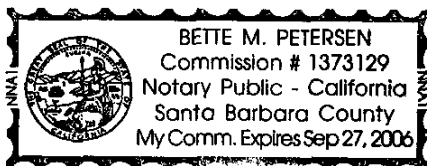
PARCELS A, B AND C OF PARCEL MAP NO. 11691 IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA, RECORDED IN BOOK 12 PAGE 57 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

**EXHIBIT "A"**

STATE OF California )  
COUNTY OF Santa Barbara )

On August 17, 2006, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Ruth Ann Carroll Asister, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

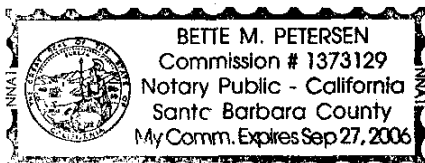


Bette M. Petersen  
\_\_\_\_\_, Notary Public

STATE OF California )  
COUNTY OF Santa Barbara )

On August 18, 2006, before me, Bette M. Petersen, a Notary Public, in and for said County and State, personally appeared Bohleen Bralier, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Bette M. Petersen  
\_\_\_\_\_, Notary Public

# ILLEGIBLE NOTARY SEAL DECLARATION

GOVERNMENT CODE 27361.7


I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary: Bette M. Petersen  
Date Commission Expires: September 27, 2006  
County where Bond is filed: Santa Barbara  
Commission Number: 1373129

Manufacturer/Vendor Identification Number: NNA1

Place of Execution of this declaration: Anaheim, California

Date: September 15, 2006

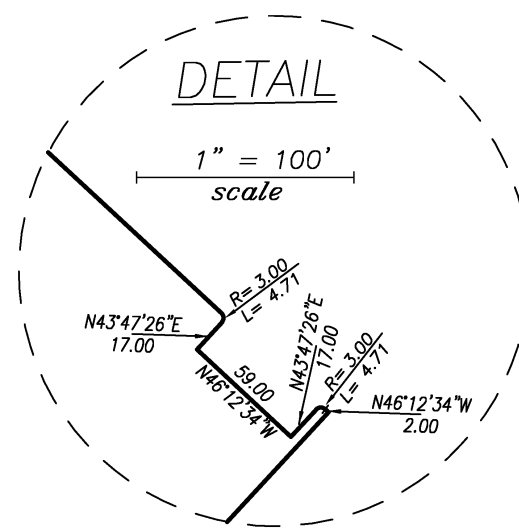
  
\_\_\_\_\_  
Stewart Title of California  
By: Bill Cuddy

**NOTICE**  
Assessor Parcels are for tax assessment purposes only and do not indicate either parcel legality or a valid building site.

1" = 400'  
scale

LINE TABLE		
NO.	BEARING	DISTANCE
L 1	N1°42'06"E	266.84
L 2	N32°30'25"E	9.77
L 3	N32°30'25"E	39.34
L 4	N35°21'21"E	70.38
L 5	N12°25'36"E	24.29
L 6	N42°58'45"E	28.02
L 7	N65°28'03"E	32.88
L 8	N42°49'43"E	89.17
L 9	N37°19'49"E	43.20
L 10	N28°20'57"E	100.55
L 11	N20°01'13"E	65.96
L 12	N11°25'26"E	109.18
L 13	N43°24'40"W	40.67
L 14	S89°47'05"E	84.10
L 15	S1°42'06"W	255.77
L 16	S33°54'06"W	42.71
L 17	S40°19'43"W	93.62
L 18	S43°10'34"W	109.53
L 19	S44°15'25"W	73.64
L 20	S49°33'01"W	68.92
L 21	S31°08'27"W	82.73
L 22	S20°47'25"W	79.30
L 23	S11°49'38"W	78.26
L 24	S88°27'25"E	52.27
L 25	S22°31'32"E	12.93
L 26	S37°54'49"E	120.36
L 27	S52°57'08"E	72.98
L 28	S63°03'08"E	40.67
L 29	S53°52'41"E	46.93
L 30	S41°59'16"E	82.86
L 31	S28°25'01"E	16.76
L 32	S1°42'06"W	238.99
L 33	N80°30'20"W	51.24

L 34	N41°10'11"E	31.25
L 35	N6°53'09"W	28.50
L 36	N20°15'47"W	73.54
L 37	N47°49'14"W	43.14
L 38	N26°20'49"W	56.80
L 39	N37°13'07"W	87.62
L 40	N33°35'45"W	66.02
L 41	N45°33'53"W	89.50
L 42	N34°13'44"W	65.38
L 43	N26°45'57"W	32.54
L 44	N1°42'06"E	33.95
L 45	S89°47'05"E	335.11
L 46	N1°42'06"E	68.15
L 47	N85°18'31"W	284.61
L 48	S1°42'06"W	98.64
L 49	N33°54'06"E	55.32
L 50	N22°54'57"E	60.92
L 51	N10°56'50"E	116.98
L 52	N48°28'49"E	50.38
L 53	N87°07'17"W	107.06
L 54	S80°30'20"E	115.26
L 55	N44°32'00"W	59.18
L 56	N24°31'44"W	27.94
L 57	N11°04'15"W	52.19
L 58	N5°10'33"W	50.48
L 59	N19°31'34"W	52.08
L 60	N28°25'10"W	45.17
L 61	S63°19'54"E	41.63
L 62	S2°10'06"W	85.04
L 63	S1°57'22"W	60.54
L 64	N80°48'58"W	134.35
L 65	N84°26'37"W	117.99
L 66	N1°42'06"E	72.10



Center Sec 11

Assessor's Map Bk, 107-Pg, 25  
County of Santa Barbara, Calif.

08/19 change Meehan Ln to Pendula Ln

# **APPENDIX B**





Photo 1: View across the Subject Property.



Photo 2: View across the Subject Property.



Photo 3: View of the intersection of Orcutt Road and Union Valley Parkway.



Photo 4: View across the Subject Property.



Photo 5: View across the Subject Property.



Photo 6: View across the Subject Property.



# **APPENDIX C**

**SITE QUESTIONNAIRE**

STREET ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE / ZIP CODE: \_\_\_\_\_

*Upon reviewing this questionnaire please contact the Sierra Delta Consultants LLC (SDC) Representative listed below if you have any questions. Please answer the questions to the best of your knowledge.*

**MR. JOHN WALKER - PHONE: (805) 239-4752 / john@sierradeltallc.com**

*Please return completed questionnaire to Sierra Delta Consultants via go ckn'qt 'fax to (805) 239-9309*

QUESTIONNAIRE COMPLETED BY: \_\_\_\_\_

I AM THE SUBJECT PROPERTY'S: (PLEASE SELECT ONE)

""OWNER"" "PROPERTY MANAGER"" "LEGAL REPRESENTATIVE"" "OTHER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_ FAX NUMBER \_\_\_\_\_

NAME OF UTILITY PROVIDERS FOR THE SUBJECT PROPERTY:

POWER: \_\_\_\_\_ GAS: \_\_\_\_\_

"

""WATER: \_\_\_\_\_ SEWER: \_\_\_\_\_

*Has an environmental investigation previously been completed for the Subject Property? \_\_\_\_\_*

- *If YES, please provide a copy to SDC for review at your earliest opportunity.*

*In the space below please provide information regarding the current use of the Subject Property:*

*In the space below please provide information regarding the historical use of the Subject Property:  
(i.e. prior to current use, when the property was first built upon)*

*In the space below please note the current uses of adjacent properties to the north, south, east, and west:*

N:

S:

E:

W:

	QUESTIONS	YES	NO	COMMENTS / DETAILS
1.	Is the <b>Subject Property</b> currently used for industrial purposes?			
1A.	Did you observe evidence or have prior knowledge the <b>Subject Property</b> had been used for industrial purposes <b>in the past</b> ?			
2.	Is the <b>Subject Property</b> <i>currently</i> used as a gasoline station, dry cleaner, photo development lab, junkyard, landfill; or a facility used for motor repair, commercial printing waste management, waste storage, waste processing, or recycling ( <b>if applicable, identify which</b> )?			
2A.	Has the <b>Subject Property</b> been utilized as one of the above <i>in the past</i> ? ( <b>if applicable, identify which</b> )?			
3.	Are there <b>currently</b> any containers (greater than 5 gallons (19L) in volume, 50 gallons (190L) in the aggregate), storing pesticides, paints, gasoline, or other chemicals; or damaged/discarded automotive/industrial batteries, located on the <b>Subject Property</b> ?			
3A.	Did you observe evidence or have prior knowledge of <b>past use or storage</b> of containers storing pesticides, paints, gasoline, or other chemicals; or damaged and/or discarded automotive/industrial batteries; on the <b>Subject Property</b> ?			
4.	Are there <b>currently</b> any industrial drums (typically 55gallons (208L)), or sacks of chemicals located on the <b>Subject Property</b> ?			
4A.	Did you observe evidence or have prior knowledge, of a <b>past presence</b> of industrial drums (typically 55 gallons (208L)), or sacks of chemicals on the <b>Subject Property</b> ?			
5.	Did you observe evidence or have prior knowledge of the presence of fill dirt, from a <b>contaminated site</b> , on the <b>Subject Property</b> ?			
5A.	Did you observe evidence or have prior knowledge of the presence of fill dirt, <b>from an unknown origin</b> , on the <b>Subject Property</b> ?			

	QUESTIONS	YES	NO	COMMENTS / DETAILS
6.	Are there <b>currently</b> any pits, ponds, or lagoons located on the <b>Subject Property</b> in connection with waste treatment or waste disposal?			
6A.	Did you observe evidence or have prior knowledge of a <b>past presence</b> of any pits, ponds, or lagoons used in connection with waste treatment/disposal, located on the <b>Subject Property</b> ?			
7.	Are there <b>currently</b> areas of stained soil on the <b>Subject Property</b> ?			
7A.	Did you observe evidence or have prior knowledge of areas of stained soil on the <b>Subject Property in the past</b> ?			
8.	Are there <b>currently</b> any registered, or unregistered storage tanks, (aboveground or underground), or waste oil clarifiers/separators located on the <b>Subject Property</b> ? (if yes, please give details)			
8A.	Did you observe evidence or have <b>prior knowledge</b> of <b>past</b> registered, or unregistered storage tanks, (aboveground or underground), or waste oil clarifiers/separators located on the <b>Subject Property</b> ? (if yes, please give details)			
9.	Are there <b>currently</b> any vent-pipes, fill-pipes, or access ways indicating a fill-pipe, protruding from the ground on the Subject Property; or adjacent to any structure located on the <b>Subject Property</b> ?			
9A.	Did you observe evidence or have <b>prior knowledge</b> of the existence of <b>past</b> vent-pipes, fill-pipes, or access ways indicating a fill-pipe, on the Subject Property; or adjacent to any structure on the <b>Subject Property</b> ?			
10.	Are there <b>currently</b> any indications of leaks, spills, foul odors, or staining (from sources other than water), associated with flooring, drains, walls, ceilings, or exposed grounds on the <b>Subject Property</b> ?			
10A.	Did you observe evidence or have <b>prior knowledge</b> of <b>past</b> leaks, spills, foul odors, or staining (from sources other than water) on the <b>Subject Property</b> ?			
10B.	Do you have knowledge of any Environmental Clean-ups performed or required to be performed on the <b>Subject Property</b> ?			

	QUESTIONS	YES	NO	COMMENTS / DETAILS
11.	If the <b>Subject Property</b> is served by a <b>private well or non-public water system</b> ; did you observe evidence or have knowledge the well or non-public water system contained contaminants that would have exceeded guidelines applicable to water systems?			
12.	Does the owner/occupant of the <b>Subject Property</b> have knowledge of <i>environmental liens</i> , or government notification, relating to past or recurrent violations of environmental laws, pertaining to the Subject Property or to areas adjacent to any structure located on the Subject Property?			
13.	Has the owner/occupant of the <b>Subject Property</b> been informed or have knowledge of the <i>current</i> existence of hazardous substances or petroleum products on the Subject Property or any structure located on the Subject Property?			
13A.	Has the owner/occupant of the <b>Subject Property</b> been informed or have knowledge of the <i>prior existence</i> of hazardous substances or petroleum products, on the Subject Property, or any structure located on the Subject Property?			
14.	Has the owner/occupant of the <b>Subject Property</b> been informed of <i>current environmental violations</i> regarding the Subject Property or any structure located on the Subject Property?			
14A.	Has the owner/occupant of the <b>Subject Property</b> been informed of or have knowledge of <i>past environmental violations</i> regarding the Subject Property or any structure located on the Subject Property?			
15.	Does the owner/occupant of the <b>Subject Property</b> have knowledge of an Environmental Site Assessment of the Subject Property recommending further assessment due to potential contamination from the presence of hazardous substances?			
15A.	Is the owner/occupant of the <b>Subject Property</b> aware of past, pending, threatened lawsuits or administrative proceedings by an owner or occupant of the Subject Property concerning the release or threatened release of hazardous substances or petroleum products?			

	QUESTIONS	YES	NO	COMMENTS / DETAILS
16.	Does the <b>Subject Property</b> discharge wastewater (not including sanitary waste or storm water) onto, or adjacent to the Subject Property; and/or into a <b>storm water drainage system</b> and/or into a <b>sanitary sewer system</b> ?			
17.	Did you observe evidence or have prior knowledge of hazardous substances, petroleum products, unidentified waste materials, tires, automotive/industrial batteries, or any other waste materials have been dumped above grade, buried, and/or burned on the <b>Subject Property</b> ?			
18.	Is there a transformer, capacitor, or any hydraulic equipment located on the <b>Subject Property</b> ? If present, do you know if the equipment contains PCB's?			
19.	Are you aware of any activity and use limitations (AULs), such as <b>engineering controls</b> , land use restrictions or <b>institutional controls</b> that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?			
20.	Do you have any specialized knowledge or experience related to the <b>property</b> or nearby properties? For example, are you involved in the same line of business as the current or former <b>occupants</b> of the <b>property</b> or an adjoining <b>property</b> so that you would have specialized knowledge of the chemical and processes used by this type of business?			
21.	Based on your knowledge and experience related to the <b>property</b> are there any obvious indicators that point to the presence or likely presence of contamination at the property?			
22.	Based upon your knowledge is there a difference between the purchase price and fair market value of the property? If you conclude there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?			

**ADJACENT PROPERTIES**

The following questions pertain to properties contiguous to the Subject Property. Please answer the questions to the best of your knowledge.

23.	Are <b>Adjoining Properties</b> currently used for industrial purposes? <i>(if yes, please give details)</i>			
23A.	Did you observe evidence or have prior knowledge of <b>past industrial usage</b> of <b>Adjoining Properties</b> ? <i>(if yes, please give details)</i>			

	QUESTIONS	YES	NO	COMMENTS / DETAILS
24.	Are there <b>currently</b> any containers / drums (greater than 5 gallons (19L) in volume, 50 gallons (190L) in the aggregate), storing pesticides, paints, gasoline, or other chemicals; or damaged/discarded automotive/industrial batteries, located on the <b>Adjacent Property</b> ?			
24A.	Did you observe evidence or have <b>prior knowledge of past use</b> or storage of containers storing pesticides, paints, or other chemicals; or damaged and/or discarded automotive/industrial batteries; on the <b>Adjacent Property</b> ?			
25.	Are there <b>currently</b> any industrial drums (typically 55gallons (208L)), or sacks of chemicals located on the <b>Adjacent Property</b> ?			
25A.	Did you observe evidence or have prior knowledge, of a <b>past presence</b> of industrial drums (typically 55 gallons (208L)), or sacks of chemicals on the <b>Adjacent Property</b> ?			
26.	Did you observe evidence or have prior knowledge of the presence of fill dirt, from a <b>contaminated site</b> , on the <b>Adjacent Property</b> ?			
26A.	Did you observe evidence or have prior knowledge of the presence of fill dirt, <b>from an unknown origin</b> , on the <b>Adjacent Property</b> ?			
27.	Are there <b>currently</b> any pits, ponds, or lagoons located on the <b>Adjacent Property</b> in connection with waste treatment or waste disposal?			
27A.	Did you observe evidence or have prior knowledge of a <b>past presence</b> of any pits, ponds, or lagoons used in connection with waste treatment/disposal, located on the <b>Adjacent Property</b> ?			
28.	Are there <b>currently</b> areas of stained soils on the <b>Adjacent Property</b> ?			

	QUESTIONS	YES	NO	COMMENTS / DETAILS
28A.	Did you observe evidence or have prior knowledge of areas of stained soils on the <b>Adjacent Property in the past</b> ?			
29.	Are there <b>currently</b> any storage tanks, (aboveground or underground), located on the <b>Adjacent Property</b> ? <i>(if yes, please give details)</i>			
29A.	Did you observe evidence or have <b>prior knowledge</b> of <b>past</b> storage tanks, (aboveground or underground), located on the <b>Adjacent Property</b> ? <i>(if yes, please give details)</i>			
30.	Are there <b>currently</b> any vent-pipes, fill-pipes, or access ways indicating a fill-pipe, protruding from the ground on Adjacent Properties; or adjacent to any structure located on the <b>Adjacent Property</b> ?			
30A.	Did you observe evidence or have <b>prior knowledge</b> of the existence of <b>past</b> vent-pipes, fill-pipes, or access ways indicating a fill-pipe, on the Adjacent Properties; or adjacent to any structure on the <b>Adjacent Property</b> ?			
31.	Are there <b>currently</b> any indications of leaks, spills, foul odors, or staining <i>(from sources other than water)</i> , associated with flooring, drains, walls, ceilings, or exposed grounds on the <b>Adjacent Property</b> ?			
31A.	Did you observe evidence or have <b>prior knowledge</b> of <b>past</b> leaks, spills, foul odors, or staining <i>(from sources other than water)</i> on the <b>Adjacent Property</b> ?			

I acknowledge that I have read this questionnaire and have responded to the issues and questions to the best of my knowledge. I have prepared the answers to this questionnaire jointly with the bank and its representatives and I have made a full disclosure of my knowledge of suspected or actual environmental concerns regarding this property. The undersigned owner(s) and/or operator(s) acknowledge(s) and agree(s) that intentionally falsifying or concealing any material fact with regard to the subject matter of this Environmental Questionnaire may, in addition to other penalties, result in prosecution under applicable law including 18 U.S.C. section 1001.

Name: (Printed) \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



# APPENDIX D

# HISTORICAL DOCUMENTATION

AERIAL PHOTOGRAPHS: 1956, 1968, 1994, 2009 and 2019

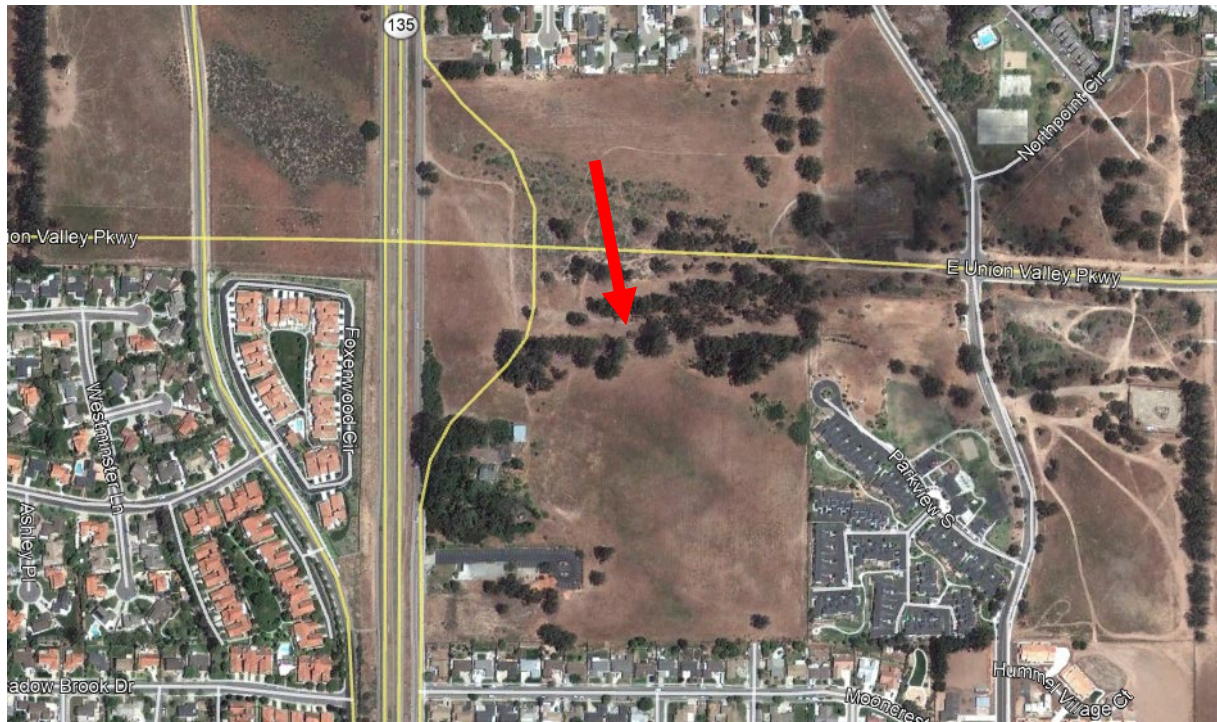
USGS TOPOGRAPHIC MAPS: 1947, 1982

SANBORN FIRE INSURANCE MAPS: No Coverage



2019





2009



1994

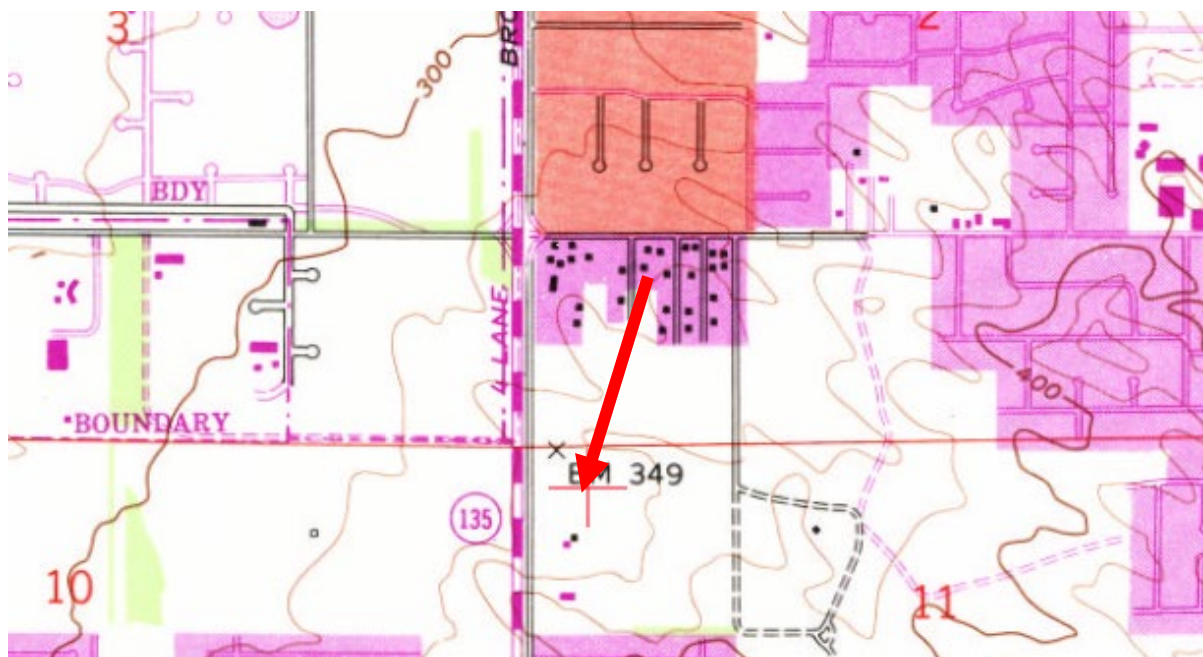




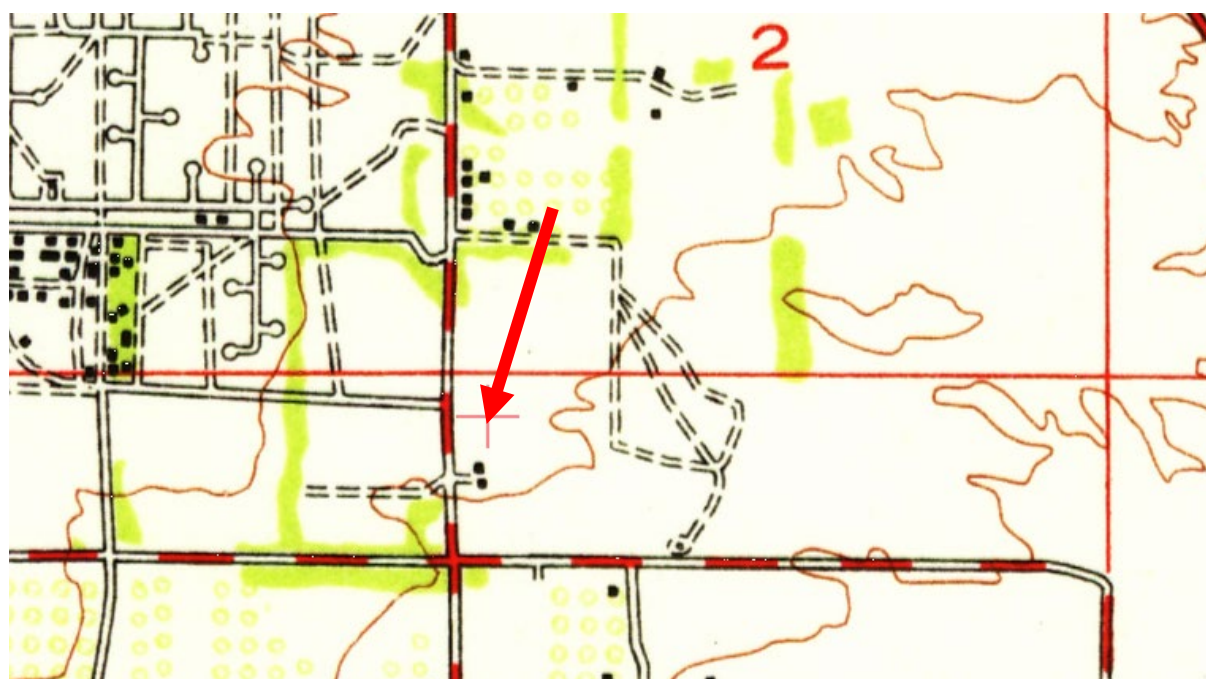
1968



1956



1982



1947



# APPENDIX E

**MD3I.01**

No Site Address

Orcutt, CA 93455

Inquiry Number: 6529736.2s

June 09, 2021

## The EDR Radius Map™ Report



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



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### GEOCHECK ADDENDUM

#### GeoCheck - Not Requested

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

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## EXECUTIVE SUMMARY

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

### **TARGET PROPERTY INFORMATION**

#### **ADDRESS**

NO SITE ADDRESS  
ORCUTT, CA 93455

#### **COORDINATES**

Latitude (North): 34.8786970 - 34° 52' 43.30"  
Longitude (West): 120.4338920 - 120° 26' 2.01"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 734539.4  
UTM Y (Meters): 3862398.5  
Elevation: 360 ft. above sea level

### **USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

Target Property Map: 5603138 SANTA MARIA, CA  
Version Date: 2012  
  
South Map: 5603024 ORCUTT, CA  
Version Date: 2012

### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140603, 20140926  
Source: USDA

# MAPPED SITES SUMMARY

Target Property Address:  
NO SITE ADDRESS  
ORCUTT, CA 93455

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">1</a>	UNION VALLEY PARKWAY	UNION VALLEY PARKWAY	CIWQS	Higher	1 ft.
<a href="#">2</a>	CRYSTAL SAUCEDA	136 MOONCREST LANE	RCRA NonGen / NLR	Higher	462, 0.087, SSW
<a href="#">A3</a>	GREKA - NORTH ORCUTT	4310 HUMMEL DR	AST	Higher	1175, 0.223, East
<a href="#">A4</a>	GREKA - NORTH ORCUTT	4310 HUMMEL DR	CUPA Listings	Higher	1175, 0.223, East
<a href="#">5</a>	ARCO STATION	3618 BROADWAY	HIST CORTESE	Lower	1784, 0.338, NNW
<a href="#">B6</a>	SANTA BARBARA CO AGR	624 W FOSTER RD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, HIST UST, RCRA	Lower	3036, 0.575, WNW
<a href="#">B7</a>	SANTA BARBARA COUNTY	624 WEST FOSTER ROAD	ENVIROSTOR, HIST UST	Lower	3036, 0.575, WNW
<a href="#">8</a>	DELTA HIGH SCHOOL	251 EAST CLARK AVENU	ENVIROSTOR, SCH, CERS	Lower	5021, 0.951, SW

## 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-SQG..... RCRA - Small Quantity Generators  
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROLS..... Institutional Controls Sites List

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

ERNS..... Emergency Response Notification System

## 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***

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

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

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

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

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

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

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

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

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  
ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
IHS OPEN DUMPS..... Open Dumps on Indian Land

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

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

## EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register  
 PFAS..... PFAS Contamination Site Location Listing

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

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

### ***Local Land Records***

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

### ***Records of Emergency Release Reports***

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

### ***Other Ascertainable Records***

FUDS..... Formerly Used Defense Sites  
 DOD..... Department of Defense Sites  
 SCR 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

## EXECUTIVE SUMMARY

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
UXO.....	Unexploded Ordnance Sites
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
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
MINES MRDS.....	Mineral Resources Data System
HWTS.....	Hazardous Waste Tracking System

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

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

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

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

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
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## EXECUTIVE SUMMARY

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 03/22/2021 has revealed that there is 1 CORRACTS 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>
<b><i>SANTA BARBARA CO AGR</i></b> EPA ID:: CAD000775676	<b><i>624 W FOSTER RD</i></b>	<b><i>WNW 1/2 - 1 (0.575 mi.)</i></b>	<b><i>B6</i></b>	<b><i>13</i></b>

#### ***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 01/25/2021 has revealed that there are 2 ENVIROSTOR sites 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>
<b><i>SANTA BARBARA COUNTY</i></b> Facility Id: 80001339	<b><i>624 WEST FOSTER ROAD</i></b>	<b><i>WNW 1/2 - 1 (0.575 mi.)</i></b>	<b><i>B7</i></b>	<b><i>60</i></b>



## EXECUTIVE SUMMARY

Status: No Further Action

**DELTA HIGH SCHOOL**

Facility Id: 60001014

Status: No Further Action

**251 EAST CLARK AVENU**

**SW 1/2 - 1 (0.951 mi.)**

**8**

**62**

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

AST: A listing of aboveground storage tank petroleum storage tank locations.

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GREKA - NORTH ORCUTT Database: AST, Date of Government Version: 07/06/2016	4310 HUMMEL DR	E 1/8 - 1/4 (0.223 mi.)	A3	12

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Other Ascertainable Records***

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA NonGen / NLR site 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>
CRYSTAL SAUCEDA EPA ID:: CAC002984315	136 MOONCREST LANE	SSW 0 - 1/8 (0.087 mi.)	2	9

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 is 1 CUPA Listings site 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>
GREKA - NORTH ORCUTT Database: CUPA SANTA BARBARA, Date of Government Version: 09/08/2011 Current Status: 2	4310 HUMMEL DR	E 1/8 - 1/4 (0.223 mi.)	A4	12

## EXECUTIVE SUMMARY

Facility Id: FA0012496

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARCO STATION Reg Id: 3137	3618 BROADWAY	NNW 1/4 - 1/2 (0.338 mi.)	5	13

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 02/16/2021 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>
<b>SANTA BARBARA CO AGR</b> EPA ID: CAD000775676 Cleanup Status: PROTECTIVE FILER	<b>624 W FOSTER RD</b>	<b>WNW 1/2 - 1 (0.575 mi.)</b>	<b>B6</b>	<b>13</b>

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CIWQS list, as provided by EDR, and dated 11/30/2020 has revealed that there is 1 CIWQS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNION VALLEY PARKWAY	UNION VALLEY PARKWAY	0 - 1/8 (0.000 mi.)	1	9

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

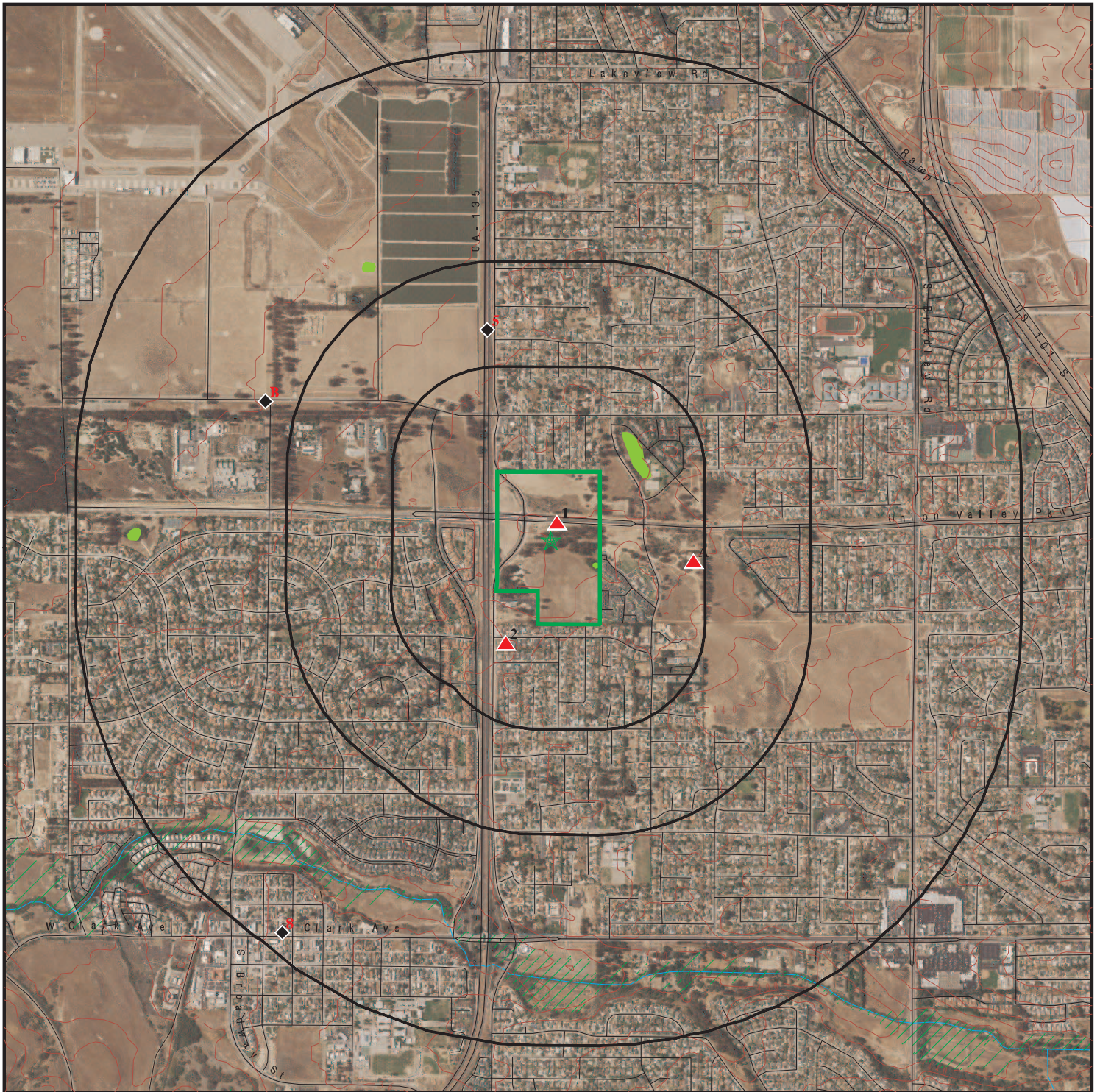
FRAZIER DUMP


Database(s)


ENVIROSTOR




# OVERVIEW MAP - 6529736.2S



 Target Property

 Sites at elevations higher than or equal to the target property


 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites


 Indian Reservations BIA

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

 Areas of Concern

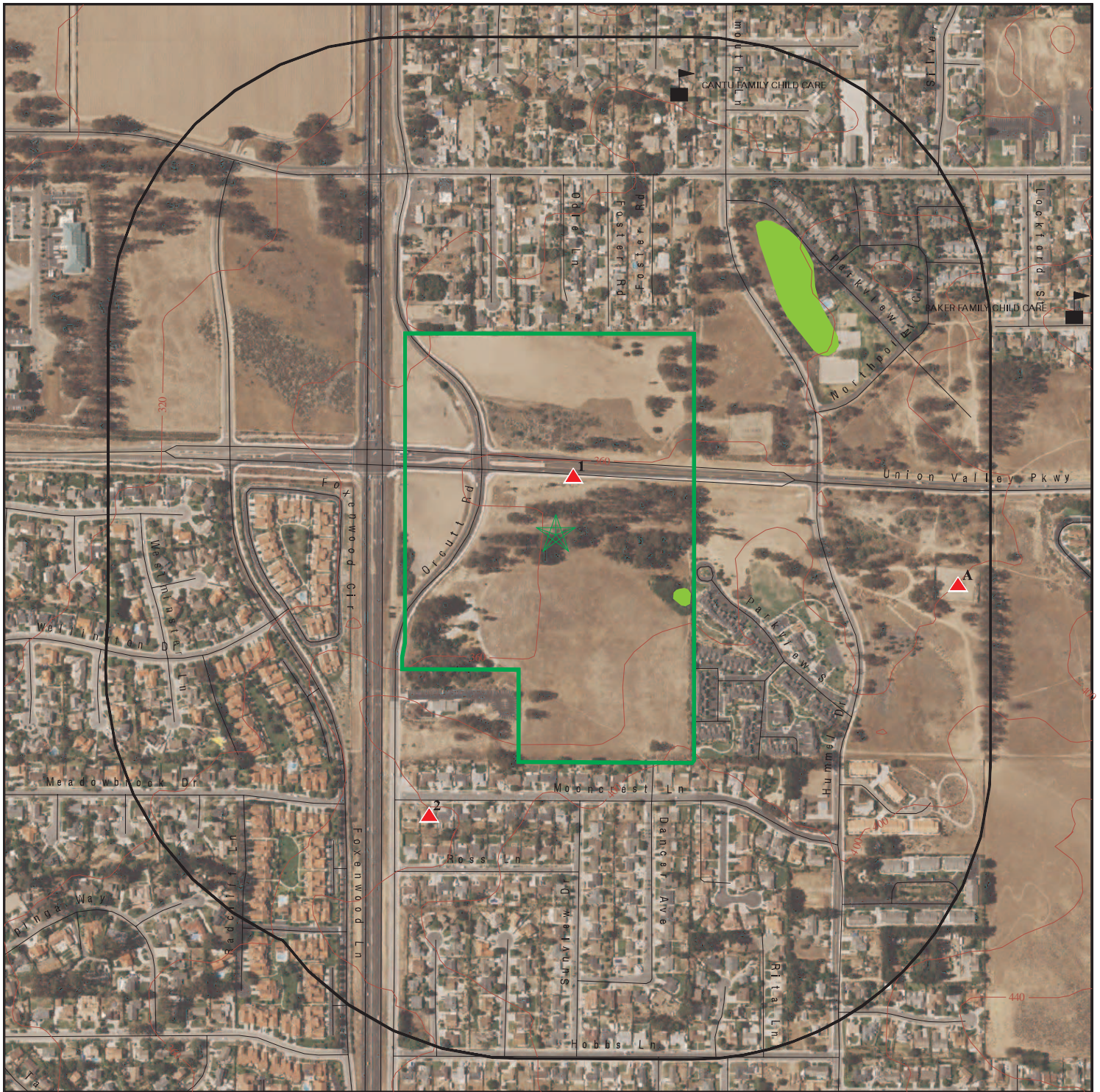
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: MD3I.01  
ADDRESS: No Site Address  
Orcutt CA 93455  
LAT/LONG: 34.878697 / 120.433892


CLIENT: Sierra Delta  
CONTACT: John Walker  
INQUIRY #: 6529736.2s  
DATE: June 09, 2021 3:36 pm




# DETAIL MAP - 6529736.2S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants


 Sensitive Receptors

 National Priority List Sites

 Dept. Defense Sites

0 1/16 1/8 1/4 Miles


 Indian Reservations BIA

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

 Areas of Concern



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

SITE NAME: MD31.01  
ADDRESS: No Site Address  
Orcutt CA 93455  
LAT/LONG: 34.878697 / 120.433892

CLIENT: Sierra Delta  
CONTACT: John Walker  
INQUIRY #: 6529736.2s  
DATE: June 09, 2021 3:37 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	1	NR	1
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	1.000		0	0	0	2	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
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		0	0	0	NR	NR	0
CUPA Listings	0.250		0	1	NR	NR	NR	1



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		1	NR	NR	NR	NR	1
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

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

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

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

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	2	2	1	4	0	9
-------------	--	---	---	---	---	---	---	---

## MAP FINDINGS SUMMARY

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

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1	<b>UNION VALLEY PARKWAY EXTENSION</b>	CIWQS	S116498188
	<b>UNION VALLEY PARKWAY BETWEEN HIGHWAY 135 AND HUMMEL DRIVE</b>		N/A
< 1/8	<b>ORCUTT, CA 93455</b>		
1 ft.			
<b>Relative:</b>	CIWQS:		
<b>Higher</b>	Name:	UNION VALLEY PARKWAY EXTENSION	
	Address:	UNION VALLEY PARKWAY BETWEEN HIGHWAY 135 AND HUMMEL DRIVE	
<b>Actual:</b>	City,State,Zip:	ORCUTT, CA 93455	
<b>363 ft.</b>	Agency:	County Of Santa Barbara Department of Public Works	
	Agency Address:	123 East Anapamu Street, Santa Barbara, CA 93101	
	Place/Project Type:	Construction - Transportation	
	SIC/NAICS:	Not reported	
	Region:	3	
	Program:	CONSTW	
	Regulatory Measure Status:	Terminated	
	Regulatory Measure Type:	Storm water construction	
	Order Number:	2009-0009-DWQ	
	WDID:	3 42C366006	
	NPDES Number:	CAS000002	
	Adoption Date:	01/01/1900	
	Effective Date:	03/28/2013	
	Termination Date:	04/08/2014	
	Expiration/Review Date:	01/01/1900	
	Design Flow:	Not reported	
	Major/Minor:	Not reported	
	Complexity:	Not reported	
	TTWQ:	Not reported	
	Enforcement Actions within 5 years:	0	
	Violations within 5 years:	0	
	Latitude:	34.879389	
	Longitude:	-120.433633	
2	<b>CRYSTAL SAUCEDA</b>	RCRA NonGen / NLR	1024764447
SSW	<b>136 MOONCREST LANE</b>		CAC002984315
< 1/8	<b>SANTA MARIA, CA 93455</b>		
0.087 mi.			
462 ft.			
<b>Relative:</b>	RCRA NonGen / NLR:		
<b>Higher</b>	Date Form Received by Agency:	2018-10-10 00:00:00.0	
	Handler Name:	CRYSTAL SAUCEDA	
<b>Actual:</b>	Handler Address:	136 MOONCREST LANE	
<b>378 ft.</b>	Handler City,State,Zip:	SANTA MARIA, CA 93455	
	EPA ID:	CAC002984315	
	Contact Name:	CRYSTAL SAUCEDA	
	Contact Address:	136 MOONCREST LANE	
	Contact City,State,Zip:	SANTA MARIA, CA 93455	
	Contact Telephone:	925-789-0633	
	Contact Fax:	Not reported	
	Contact Email:	DEZARAE@VTENV.COM	
	Contact Title:	Not reported	
	EPA Region:	09	
	Land Type:	Not reported	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Handler Activities	
	State District Owner:	Not reported	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CRYSTAL SAUCEDA (Continued)**

**1024764447**

State District:	Not reported
Mailing Address:	136 MOONCREST LANE
Mailing City,State,Zip:	SANTA MARIA, CA 93455
Owner Name:	CRYSTAL SAUCEDA
Owner Type:	Other
Operator Name:	CRYSTAL SAUCEDA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-20 16:29:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CRYSTAL SAUCEDA (Continued)**

**1024764447**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CRYSTAL SAUCEDA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	136 MOONCREST LANE
Owner/Operator City,State,Zip:	SANTA MARIA, CA 93455
Owner/Operator Telephone:	925-789-0633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CRYSTAL SAUCEDA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	136 MOONCREST LANE
Owner/Operator City,State,Zip:	SANTA MARIA, CA 93455
Owner/Operator Telephone:	925-789-0633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-10-10 00:00:00.0
Handler Name:	CRYSTAL SAUCEDA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

Database(s)

**A3**  
**East**  
**1/8-1/4**  
**0.223 mi.**  
**1175 ft.**  
**GREKA - NORTH ORCUTT**  
**4310 HUMMEL DR**  
**SANTA MARIA, CA**  
**Site 1 of 2 in cluster A**

**AST** **A100338980**  
**N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**380 ft.**

Name: GREKA - NORTH ORCUTT  
Address: 4310 HUMMEL DR  
City/Zip: SANTA MARIA,  
Certified Unified Program Agencies: Santa Barbara  
Owner: GREKA OIL & GAS INC  
Total Gallons: 42,000  
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  
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

**A4**  
**East**  
**1/8-1/4**  
**0.223 mi.**  
**1175 ft.**  
**GREKA - NORTH ORCUTT-CLOSED**  
**4310 HUMMEL DR**  
**SANTA MARIA, CA 93455**  
**Site 2 of 2 in cluster A**

**CUPA Listings** **S110742121**  
**N/A**

**Relative:**  
**Higher**

CUPA SANTA BARBARA:

**Actual:**  
**380 ft.**

Name: GREKA - NORTH ORCUTT-CLOSED  
Address: 4310 HUMMEL DR  
City,State,Zip: SANTA MARIA, CA 93455  
Facility Id: FA0012496  
Region: SANTA BARBARA  
Cross Street: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Mailing Name: GREKA OIL & GAS INC  
Mailing Care Of: Not reported  
Mailing Address: PO BOX 5489  
Mailing City: SANTA MARIA  
Mailing State: CA  
Mailing Zip Code: 934565489  
Record Id: PR0505644

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREKA - NORTH ORCUTT-CLOSED (Continued)**

**S110742121**

Pe #: 2162  
Current Status: 2

**5**  
**NNW**  
**1/4-1/2**  
**0.338 mi.**  
**1784 ft.**

**ARCO STATION**  
**3618 BROADWAY**  
**SANTA MARIA, CA**

**HIST CORTESE** **S104233939**  
**N/A**

**Relative:**  
**Lower**

HIST CORTESE:

**Actual:**  
**309 ft.**

edr\_fname: Arco Station  
edr\_fadd1: 3618 Broadway  
City,State,Zip: SANTA MARIA, CA  
Region: CORTESE  
Facility County Code: 42  
Reg By: LTNKA  
Reg Id: 3137

**B6**  
**WNW**  
**1/2-1**  
**0.575 mi.**  
**3036 ft.**

**SANTA BARBARA CO AGRI COMM**  
**624 W FOSTER RD**  
**SANTA MARIA, CA 93455**

**SEMS-ARCHIVE** **1000394953**  
**CORRACTS** **CAD000775676**  
**RCRA-TSDF**  
**HIST UST**  
**RCRA NonGen / NLR**  
**HWP**  
**CERS**

**Site 1 of 2 in cluster B**

**Relative:**  
**Lower**

**Actual:**  
**282 ft.**

SEMS Archive:

Site ID: 0900283  
EPA ID: CAD000775676  
Name: SANTA BARBARA CO AGRI COMM  
Address: 624 W FOSTER RD  
Address 2: Not reported  
City,State,Zip: SANTA MARIA, CA 93455  
Cong District: 19  
FIPS Code: 06083  
FF: N  
NPL: Not on the NPL  
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 09  
Site ID: 0900283  
EPA ID: CAD000775676  
Site Name: SANTA BARBARA CO AGRI COMM  
NPL: N  
FF: N  
OU: 00  
Action Code: VS  
Action Name: ARCH SITE  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1996-01-23 05:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf In-Hse

Region: 09  
Site ID: 0900283

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

EPA ID: CAD000775676  
Site Name: SANTA BARBARA CO AGRI COMM  
NPL: N  
FF: N  
OU: 00  
Action Code: DS  
Action Name: DISCVRY  
SEQ: 1  
Start Date: 1990-08-24 04:00:00  
Finish Date: 1990-08-24 04:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 09  
Site ID: 0900283  
EPA ID: CAD000775676  
Site Name: SANTA BARBARA CO AGRI COMM  
NPL: N  
FF: N  
OU: 00  
Action Code: PA  
Action Name: PA  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1991-03-28 05:00:00  
Qual: D  
Current Action Lead: EPA Perf

**CORRACTS:**

Name: SANTA BARBARA CO AGRI COMM  
Address: 624 W FOSTER RD  
Address 2: Not reported  
EPA ID: CAD000775676  
Area Name: ENTIRE FACILITY  
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY  
Actual Date: 00:00.0  
Air Release Indicator: Not reported  
Groundwater Release Indicator: Not reported  
Soil Release Indicator: Not reported  
Surface Water Release Indicator: Not reported

**RCRA NonGen / NLR:**

Date Form Received by Agency: 1993-06-02 00:00:00.0  
Handler Name: SANTA BARBARA CO AGRI COMM  
Handler Address: 624 W FOSTER RD  
Handler City,State,Zip: SANTA MARIA, CA 93455  
EPA ID: CAD000775676  
Contact Name: Not reported  
Contact Address: Not reported  
Contact City,State,Zip: Not reported  
Contact Telephone: Not reported  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 09



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Land Type:	County
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Converter
State District Owner:	CA
State District:	3
Mailing Address:	263 CAMINO DEL REMEDIO
Mailing City, State, Zip:	SANTA BARBARA, CA 93110
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	SANTA BARBARA CTY AGRICULTURAL COMM OFF
Operator Type:	County
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Storage
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Storage
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Unaddressed Significant Non-Complier Universe: No  
Addressed Significant Non-Complier Universe: No  
Significant Non-Complier With a Compliance Schedule Universe: No  
Financial Assurance Required: Not reported  
Handler Date of Last Change: 2002-09-17 13:59:47.0  
Recognized Trader-Importer: No  
Recognized Trader-Exporter: No  
Importer of Spent Lead Acid Batteries: No  
Exporter of Spent Lead Acid Batteries: No  
Recycler Activity Without Storage: Not reported  
Manifest Broker: Not reported  
Sub-Part P Indicator: No

**Handler - Owner Operator:**

Owner/Operator Indicator: Owner  
Owner/Operator Name: SANTA BARBARA CTY AGRICULTURAL COMM OFF  
Legal Status: County  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 624 WEST FOSTER ROAD  
Owner/Operator City,State,Zip: SANTA MARIA, CA 93455  
Owner/Operator Telephone: 805-937-2011  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: SANTA BARBARA CTY AGRICULTURAL COMM OFF  
Legal Status: County  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 624 WEST FOSTER ROAD  
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999  
Owner/Operator Telephone: 805-937-2011  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

**Historic Generators:**

Receive Date: 1993-06-02 00:00:00.0  
Handler Name: SANTA BARBARA CO AGRI COMM  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: CA  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-19 00:00:00.0  
Handler Name: SANTA BARBARA CO AGRI COMM  
Federal Waste Generator Description: Not a generator, verified

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32532
NAICS Description:	PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-08-11 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Closure/Post-Closure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1988-09-15 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Enforcement Type: STATE TO EPA ADMINISTRATIVE REFERRAL  
Enforcement Responsible Person: R9EPA  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: No  
Agency Which Determined Violation: Not reported  
Violation Short Description: Not reported  
Date Violation was Determined: Not reported  
Actual Return to Compliance Date: Not reported  
Return to Compliance Qualifier: Not reported  
Violation Responsible Agency: Not reported  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: Generators - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date Violation was Determined:	1985-09-19 00:00:00.0
Actual Return to Compliance Date:	1986-09-23 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-08-11 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: R9EPA  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: No  
Agency Which Determined Violation: Not reported  
Violation Short Description: Not reported  
Date Violation was Determined: Not reported  
Actual Return to Compliance Date: Not reported  
Return to Compliance Qualifier: Not reported  
Violation Responsible Agency: Not reported  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: Generators - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1986-09-23 00:00:00.0
Actual Return to Compliance Date:	1986-11-19 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Enforcement Type:	Not reported	
Enforcement Responsible Person:		Not reported
Enforcement Responsible Sub-Organization:		Not reported
SEP Sequence Number:	Not reported	
SEP Expenditure Amount:		Not reported
SEP Scheduled Completion Date:		Not reported
SEP Actual Date:		Not reported
SEP Defaulted Date:		Not reported
SEP Type:		Not reported
SEP Type Description:		Not reported
Proposed Amount:		Not reported
Final Monetary Amount:		Not reported
Paid Amount:		Not reported
Final Count:		Not reported
Final Amount:		Not reported
Found Violation:		Yes
Agency Which Determined Violation:		EPA
Violation Short Description:		Generators - General
Date Violation was Determined:		1989-06-30 00:00:00.0
Actual Return to Compliance Date:		1989-09-14 00:00:00.0
Return to Compliance Qualifier:		Observed
Violation Responsible Agency:		State
Scheduled Compliance Date:		1989-09-11 00:00:00.0
Enforcement Identifier:		005
Date of Enforcement Action:		1989-08-11 00:00:00.0
Enforcement Responsible Agency:		EPA
Enforcement Docket Number:		Not reported
Enforcement Attorney:		Not reported
Corrective Action Component:		No
Appeal Initiated Date:		Not reported
Appeal Resolution Date:		Not reported
Disposition Status Date:		Not reported
Disposition Status:		Not reported
Disposition Status Description:		Not reported
Consent/Final Order Sequence Number:	Not reported	
Consent/Final Order Respondent Name:		Not reported
Consent/Final Order Lead Agency:		Not reported
Enforcement Type:	WRITTEN INFORMAL	
Enforcement Responsible Person:		R9EPA
Enforcement Responsible Sub-Organization:		Not reported
SEP Sequence Number:	Not reported	
SEP Expenditure Amount:		Not reported
SEP Scheduled Completion Date:		Not reported
SEP Actual Date:		Not reported
SEP Defaulted Date:		Not reported
SEP Type:		Not reported
SEP Type Description:		Not reported
Proposed Amount:		Not reported
Final Monetary Amount:		Not reported
Paid Amount:		Not reported
Final Count:		Not reported
Final Amount:		Not reported
Found Violation:		No
Agency Which Determined Violation:		Not reported
Violation Short Description:		Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	003
Date of Enforcement Action:	1989-04-05 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General

Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1988-09-15 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Enforcement Type:	Not reported	
Enforcement Responsible Person:		Not reported
Enforcement Responsible Sub-Organization:		Not reported
SEP Sequence Number:	Not reported	
SEP Expenditure Amount:		Not reported
SEP Scheduled Completion Date:		Not reported
SEP Actual Date:		Not reported
SEP Defaulted Date:		Not reported
SEP Type:		Not reported
SEP Type Description:		Not reported
Proposed Amount:		Not reported
Final Monetary Amount:		Not reported
Paid Amount:		Not reported
Final Count:		Not reported
Final Amount:		Not reported
Found Violation:		Yes
Agency Which Determined Violation:		EPA
Violation Short Description:		Generators - General
Date Violation was Determined:		1988-05-25 00:00:00.0
Actual Return to Compliance Date:		1989-05-30 00:00:00.0
Return to Compliance Qualifier:		Observed
Violation Responsible Agency:		State
Scheduled Compliance Date:		1989-05-10 00:00:00.0
Enforcement Identifier:		003
Date of Enforcement Action:		1989-04-05 00:00:00.0
Enforcement Responsible Agency:		EPA
Enforcement Docket Number:		Not reported
Enforcement Attorney:		Not reported
Corrective Action Component:		No
Appeal Initiated Date:		Not reported
Appeal Resolution Date:		Not reported
Disposition Status Date:		Not reported
Disposition Status:		Not reported
Disposition Status Description:		Not reported
Consent/Final Order Sequence Number:	Not reported	
Consent/Final Order Respondent Name:		Not reported
Consent/Final Order Lead Agency:		Not reported
Enforcement Type:	WRITTEN INFORMAL	
Enforcement Responsible Person:		R9EPA
Enforcement Responsible Sub-Organization:		Not reported
SEP Sequence Number:	Not reported	
SEP Expenditure Amount:		Not reported
SEP Scheduled Completion Date:		Not reported
SEP Actual Date:		Not reported
SEP Defaulted Date:		Not reported
SEP Type:		Not reported
SEP Type Description:		Not reported
Proposed Amount:		Not reported
Final Monetary Amount:		Not reported
Paid Amount:		Not reported
Final Count:		Not reported
Final Amount:		Not reported
Found Violation:		Yes
Agency Which Determined Violation:		State
Violation Short Description:		Generators - General

Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date Violation was Determined:	1985-09-19 00:00:00.0
Actual Return to Compliance Date:	1989-07-31 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1987-09-22 00:00:00.0
Actual Return to Compliance Date:	1988-05-25 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported



Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

**Evaluation Action Summary:**

Evaluation Date: 1986-11-19 00:00:00.0  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW  
Evaluation Responsible Person Identifier: R9STA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1985-04-15 00:00:00.0  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW  
Evaluation Responsible Person Identifier: R9STA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1989-06-30 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1989-09-14 00:00:00.0  
Scheduled Compliance Date: 1989-09-11 00:00:00.0  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1989-06-30 00:00:00.0

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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-04-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-09-19 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Actual Return to Compliance Date:	1986-09-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-06-30 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-11-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-06-30 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-09-23 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1986-11-19 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Former Citation:	Not reported
Evaluation Date:	1989-06-30 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-11-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-06-30 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes

Map ID  
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Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-09-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-07-31 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-09-22 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-05-25 00:00:00.0
Scheduled Compliance Date:	Not reported

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EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**HIST UST:**

Name:	PESTICIDE FACILITY
Address:	624 WEST FOSTER ROAD
City,State,Zip:	SANTA MARIA, CA 93454
File Number:	0002C972
URL:	<a href="http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C972.pdf">http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C972.pdf</a>
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:](#)

**RCRA NonGen / NLR:**

Date Form Received by Agency:	1993-06-02 00:00:00.0
Handler Name:	SANTA BARBARA CO AGRI COMM
Handler Address:	624 W FOSTER RD
Handler City,State,Zip:	SANTA MARIA, CA 93455
EPA ID:	CAD000775676
Contact Name:	Not reported

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Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	County
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Converter
State District Owner:	CA
State District:	3
Mailing Address:	263 CAMINO DEL REMEDIO
Mailing City,State,Zip:	SANTA BARBARA, CA 93110
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	SANTA BARBARA CTY AGRICULTURAL COMM OFF
Operator Type:	County
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Storage
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Storage
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	Low

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Database(s)

EDR ID Number  
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**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-09-17 13:59:47.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SANTA BARBARA CTY AGRICULTURAL COMM OFF
Legal Status:	County
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	624 WEST FOSTER ROAD
Owner/Operator City,State,Zip:	SANTA MARIA, CA 93455
Owner/Operator Telephone:	805-937-2011
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SANTA BARBARA CTY AGRICULTURAL COMM OFF
Legal Status:	County
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	624 WEST FOSTER ROAD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	805-937-2011
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

**Historic Generators:**

Receive Date:	1993-06-02 00:00:00.0
Handler Name:	SANTA BARBARA CO AGRI COMM
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No



Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1980-08-19 00:00:00.0
Handler Name:	SANTA BARBARA CO AGRI COMM
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32532
NAICS Description:	PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: No  
Agency Which Determined Violation: Not reported  
Violation Short Description: Not reported  
Date Violation was Determined: Not reported  
Actual Return to Compliance Date: Not reported  
Return to Compliance Qualifier: Not reported  
Violation Responsible Agency: Not reported  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: LDR - General  
Date Violation was Determined: 1989-06-30 00:00:00.0  
Actual Return to Compliance Date: 1989-09-14 00:00:00.0  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 1989-09-11 00:00:00.0  
Enforcement Identifier: 005  
Date of Enforcement Action: 1989-08-11 00:00:00.0  
Enforcement Responsible Agency: EPA  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported

Map ID  
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Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1988-09-15 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

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EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1985-09-19 00:00:00.0
Actual Return to Compliance Date:	1986-09-23 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-08-11 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1986-09-23 00:00:00.0
Actual Return to Compliance Date:	1986-11-19 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-08-11 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: No  
Agency Which Determined Violation: Not reported  
Violation Short Description: Not reported  
Date Violation was Determined: Not reported  
Actual Return to Compliance Date: Not reported  
Return to Compliance Qualifier: Not reported  
Violation Responsible Agency: Not reported  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: TSD - Closure/Post-Closure  
Date Violation was Determined: 1988-05-25 00:00:00.0  
Actual Return to Compliance Date: 1989-05-30 00:00:00.0  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 1989-05-10 00:00:00.0  
Enforcement Identifier: 003  
Date of Enforcement Action: 1989-04-05 00:00:00.0  
Enforcement Responsible Agency: EPA  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-06-30 00:00:00.0
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: Generators - General  
Date Violation was Determined: 1988-05-25 00:00:00.0  
Actual Return to Compliance Date: 1989-05-30 00:00:00.0  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 1989-05-10 00:00:00.0  
Enforcement Identifier: 002  
Date of Enforcement Action: 1988-09-15 00:00:00.0  
Enforcement Responsible Agency: EPA  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: STATE TO EPA ADMINISTRATIVE REFERRAL  
Enforcement Responsible Person: R9EPA  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: Generators - General  
Date Violation was Determined: 1988-05-25 00:00:00.0  
Actual Return to Compliance Date: 1989-05-30 00:00:00.0  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 1989-05-10 00:00:00.0  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1988-05-25 00:00:00.0
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Enforcement Identifier:	003
Date of Enforcement Action:	1989-04-05 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1985-09-19 00:00:00.0
Actual Return to Compliance Date:	1989-07-31 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1987-09-22 00:00:00.0
Actual Return to Compliance Date:	1988-05-25 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

**Evaluation Action Summary:**

Evaluation Date: 1986-11-19 00:00:00.0  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW  
Evaluation Responsible Person Identifier: R9STA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1985-04-15 00:00:00.0  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW  
Evaluation Responsible Person Identifier: R9STA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1989-06-30 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1989-09-14 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Scheduled Compliance Date: 1989-09-11 00:00:00.0  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1989-06-30 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1989-09-14 00:00:00.0  
Scheduled Compliance Date: 1989-09-11 00:00:00.0  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1988-05-25 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1989-05-30 00:00:00.0  
Scheduled Compliance Date: 1989-05-10 00:00:00.0  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1988-05-25 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1989-05-30 00:00:00.0  
Scheduled Compliance Date: 1989-05-10 00:00:00.0  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1985-04-15 00:00:00.0  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9STA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Evaluation Date: 1985-09-19 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1986-09-23 00:00:00.0  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1989-06-30 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1989-09-14 00:00:00.0  
Scheduled Compliance Date: 1989-09-11 00:00:00.0  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1986-11-19 00:00:00.0  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9STA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1989-06-30 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 1989-09-14 00:00:00.0  
Scheduled Compliance Date: 1989-09-11 00:00:00.0  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 1986-09-23 00:00:00.0  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R9EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1986-11-19 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-06-30 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-11-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-06-30 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-09-14 00:00:00.0
Scheduled Compliance Date:	1989-09-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-30 00:00:00.0
Scheduled Compliance Date:	1989-05-10 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-09-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-07-31 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-09-22 00:00:00.0
Evaluation Responsible Agency:	EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-05-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**HWP:**

EPA ID:	CAD000775676
Name:	SANTA BARBARA CTY AGRICULTURAL COMM
Address:	624 WEST FOSTER ROAD
Cleanup Status:	PROTECTIVE FILER
Latitude:	34.88264
Longitude:	-120.4443
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	300447
Senate District:	19
Assembly District:	35
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	Not reported
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	16-20%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

**Activities:**

EPA ID:	CAD000775676
Facility Type:	Historical - Non-Operating
Facility Name:	SANTA BARBARA CTY AGRICULTURAL COMM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

Project Manager: Not reported  
Project Manager Lead: Not reported  
Supervisor: Not reported  
Facility Status: PROTECTIVE FILER  
Activity Type: Protective Filer Status  
Permit Being Renewed: Not reported  
Permit Being Modified: Not reported  
Final Date: Not reported  
Type: Not reported  
Title Description: Not reported  
Due Date: Not reported  
Comments: Not reported  
Unit Names: CONTAIN1, TANKSTR1  
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)  
Actual Date: 08/18/1989

EPA ID: CAD000775676  
Facility Type: Historical - Non-Operating  
Facility Name: SANTA BARBARA CTY AGRICULTURAL COMM  
Project Manager: Not reported  
Project Manager Lead: Not reported  
Supervisor: Not reported  
Facility Status: PROTECTIVE FILER  
Activity Type: Protective Filer Status  
Permit Being Renewed: Not reported  
Permit Being Modified: Not reported  
Final Date: Not reported  
Type: Not reported  
Title Description: Not reported  
Due Date: Not reported  
Comments: Not reported  
Unit Names: CONTAIN1, TANKSTR1  
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)  
Actual Date: 08/18/1989

**Alias:**

EPA ID: CAD000775676  
Facility Type: Historical - Non-Operating  
Facility Name: SANTA BARBARA CTY AGRICULTURAL COMM  
Facility Status: PROTECTIVE FILER  
Project Manager: Not reported  
Project Manager Lead: Not reported  
Supervisor: Not reported  
Alias Type: FRS  
Alias: 110000609164

EPA ID: CAD000775676  
Facility Type: Historical - Non-Operating  
Facility Name: SANTA BARBARA CTY AGRICULTURAL COMM  
Facility Status: PROTECTIVE FILER  
Project Manager: Not reported  
Project Manager Lead: Not reported  
Supervisor: Not reported  
Alias Type: Project Code (Site Code)  
Alias: 300447

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA CO AGRI COMM (Continued)**

**1000394953**

**CERS:**

Name: SANTA BARBARA CTY AGRICULTURAL COMM  
Address: 624 WEST FOSTER ROAD  
City,State,Zip: SANTA MARIA, CA 934550000  
Site ID: 234586  
CERS ID: CAD000775676  
CERS Description: Hazardous Waste

**Affiliation:**

Affiliation Type Desc: Facility Contact  
Entity Name: SANTA BARBARA CTY AGRICULTURAL  
Entity Title: Not reported  
Affiliation Address: 624 WEST FOSTER ROAD  
Affiliation City: SANTA MARIA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 934550000  
Affiliation Phone: 8059372011

Affiliation Type Desc: Facility Owner  
Entity Name: SANTA BARBARA CNTY AGRICULTURA  
Entity Title: Not reported  
Affiliation Address: 624 W FOSTER RD STE E  
Affiliation City: SANTA MARIA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 934550000  
Affiliation Phone: 8059346200

**B7  
WNW  
1/2-1  
0.575 mi.  
3036 ft.**

**SANTA BARBARA COUNTY AGRICULTURAL COMM  
624 WEST FOSTER ROAD  
SANTA MARIA, CA 93455**

**ENVIROSTOR  
HIST UST**

**U001585995  
N/A**

**Site 2 of 2 in cluster B**

**Relative:  
Lower**

**ENVIROSTOR:**

**Actual:  
282 ft.**

Name: SANTA BARBARA COUNTY AGRICULTURAL COMM  
Address: 624 WEST FOSTER ROAD  
City,State,Zip: SANTA MARIA, CA 934550000  
Facility ID: 80001339  
Status: No Further Action  
Status Date: 11/24/2020  
Site Code: 300447  
Site Type: Corrective Action  
Site Type Detailed: Corrective Action  
Acres: 0.25  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: WM  
Program Manager: Viktoriya Anashkina  
Supervisor: Jose Diaz  
Division Branch: Cleanup Chatsworth  
Assembly: 35  
Senate: 19  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA COUNTY AGRICULTURAL COMM (Continued)**

**U001585995**

Funding: Not reported  
Latitude: 34.88264  
Longitude: -120.4443  
APN: NONE SPECIFIED  
Past Use: DISTRIBUTOR - CHEMICAL, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE,  
UNDERGROUND STORAGE TANKS  
Potential COC: Sodium fluoroacetate Strychnine Warfarin Zinc phosphide  
Confirmed COC: 30521-NO 30524-NO 30592-NO 30595-NO  
Potential Description: SOIL, CSS  
Alias Name: CAD000775676  
Alias Type: EPA Identification Number  
Alias Name: 110000609164  
Alias Type: EPA (FRS #)  
Alias Name: 300447  
Alias Type: Project Code (Site Code)  
Alias Name: 80001339  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 03/28/1991  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/04/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Information Request Letter  
Completed Date: 07/30/2019  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 06/04/2020  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RCRA Facility Assessment Report  
Completed Date: 11/24/2020  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/30/2020  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA BARBARA COUNTY AGRICULTURAL COMM (Continued)**

**U001585995**

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

**HIST UST:**

Name: PESTICIDE FACILITY  
Address: 624 W FOSTER RD  
City,State,Zip: SANTA MARIA, CA 93454  
File Number: Not reported  
URL: Not reported  
Region: STATE  
Facility ID: 00000029942  
Facility Type: Other  
Other Type: AGRI. COMMISSIONER  
Contact Name: JOE P. BETZ  
Telephone: 8059372011  
Owner Name: SANTA BARBARA COUNTY  
Owner Address: 105 EAST ANAPAMU STREET  
Owner City,St,Zip: SANTA BARBARA, CA 93101  
Total Tanks: 0001  
  
Tank Num: 001  
Container Num: SM-1  
Year Installed: 1978  
Tank Capacity: 00006000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: 8  
Leak Detection: Sensor Instrument

**8**  
**SW**  
**1/2-1**  
**0.951 mi.**  
**5021 ft.**

**DELTA HIGH SCHOOL**  
**251 EAST CLARK AVENUE**  
**ORCUTT, CA 93455**

**ENVIROSTOR**  
**SCH**  
**CERS**

**S109422413**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**341 ft.**

**ENVIROSTOR:**

Name: DELTA HIGH SCHOOL  
Address: 251 EAST CLARK AVENUE  
City,State,Zip: ORCUTT, CA 93455  
Facility ID: 60001014  
Status: No Further Action  
Status Date: 03/19/2009  
Site Code: 304613  
Site Type: School Investigation  
Site Type Detailed: School  
Acres: 3.2  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Not reported  
Supervisor: Shahir Haddad  
Division Branch: Southern California Schools & Brownfields Outreach  
Assembly: 35



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DELTA HIGH SCHOOL (Continued)**

**S109422413**

Senate: 19  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: School District  
Latitude: 34.8655  
Longitude: -120.4338  
APN: 103-080-049  
Past Use: SCHOOL - HIGH SCHOOL  
Potential COC: Chlordane DDE Lead Polychlorinated biphenyls (PCBs)  
Confirmed COC: Chlordane 30018-NO Lead DDE  
Potential Description: SOIL  
Alias Name: 103-080-049  
Alias Type: APN  
Alias Name: 304613  
Alias Type: Project Code (Site Code)  
Alias Name: 60001014  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 01/07/2009  
Comments: DTSC approved the Phase I Environmental Site Assessment with a Phase I Addendum recommendation. organochlorine pesticides,(OCPs)from termiticide application and polychlorinated biphenyls (PCBs) from electrical transformers, are the only recognized environmental conditions.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1 Addendum  
Completed Date: 03/18/2009  
Comments: DTSC approved the Phase I Addendum report with a No Further Action determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 01/15/2009  
Comments: Via email, DTSC concurred with the sampling strategy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 02/02/2009  
Comments: On February 2, 2009, Phase I Addendum field activities were conducted. Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 03/19/2009  
Comments: DTSC prepared the project closeout Cost Recovery Unit Memorandum.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DELTA HIGH SCHOOL (Continued)**

**S109422413**

Completed Document Type: Correspondence  
Completed Date: 10/14/2010  
Comments: A letter, dated October 14, 2010, notified the District that a refund of the remaining credit balance for the Site will be issued.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Name: DELTA HIGH SCHOOL  
Address: 251 EAST CLARK AVENUE  
City,State,Zip: ORCUTT, CA 93455  
Facility ID: 60001014  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 3.2  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Not reported  
Supervisor: Shahir Haddad  
Division Branch: Southern California Schools & Brownfields Outreach  
Site Code: 304613  
Assembly: 35  
Senate: 19  
Special Program Status: Not reported  
Status: No Further Action  
Status Date: 03/19/2009  
Restricted Use: NO  
Funding: School District  
Latitude: 34.8655  
Longitude: -120.4338  
APN: 103-080-049  
Past Use: SCHOOL - HIGH SCHOOL  
Potential COC: Chlordane, DDE, Lead, Polychlorinated biphenyls (PCBs)  
Confirmed COC: Chlordane, 30018-NO, Lead, DDE  
Potential Description: SOIL  
Alias Name: 103-080-049  
Alias Type: APN  
Alias Name: 304613  
Alias Type: Project Code (Site Code)  
Alias Name: 60001014  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DELTA HIGH SCHOOL (Continued)**

**S109422413**

Completed Document Type: Phase 1  
Completed Date: 01/07/2009  
Comments: DTSC approved the Phase I Environmental Site Assessment with a Phase I Addendum recommendation. organochlorine pesticides,(OCPs)from termiticide application and polychlorinated biphenyls (PCBs) from electrical transformers, are the only recognized environmental conditions.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1 Addendum  
Completed Date: 03/18/2009  
Comments: DTSC approved the Phase I Addendum report with a No Further Action determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 01/15/2009  
Comments: Via email, DTSC concurred with the sampling strategy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 02/02/2009  
Comments: On February 2, 2009, Phase I Addendum field activities were conducted. Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 03/19/2009  
Comments: DTSC prepared the project closeout Cost Recovery Unit Memorandum.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 10/14/2010  
Comments: A letter, dated October 14, 2010, notified the District that a refund of the remaining credit balance for the Site will be issued.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**CERS:**

Name: DELTA HIGH SCHOOL  
Address: 251 EAST CLARK AVENUE  
City,State,Zip: ORCUTT, CA 93455  
Site ID: 336677  
CERS ID: 60001014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DELTA HIGH SCHOOL (Continued)**

**S109422413**

CERS Description: School Investigation

Affiliation:

Affiliation Type Desc: Supervisor  
Entity Name: SHAHIR HADDAD  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Lead Project Manager  
Entity Name: CHRISTINE CHIU  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: CYPRESS  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SANTA MARIA	S100182939	FRAZIER DUMP	HIGHWAY 166, 1.5 MILES WEST OF	93455	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: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: N/A
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 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: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: N/A
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

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

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021  
Date Data Arrived at EDR: 05/03/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 16

Source: EPA  
Telephone: N/A  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 07/12/2021  
Data Release Frequency: Quarterly

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

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 03/30/2021  
Next Scheduled EDR Contact: 07/12/2021  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly 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: 04/27/2021  
Date Data Arrived at EDR: 05/03/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 16

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 07/26/2021  
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: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: 800-424-9346
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/26/2021
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021	Source: EPA
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-424-9346
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

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

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (415) 495-8895
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

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

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (415) 495-8895
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (415) 495-8895
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

### RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (415) 495-8895
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

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

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021	Source: Department of the Navy
Date Data Arrived at EDR: 02/11/2021	Telephone: 843-820-7326
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 05/05/2021
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/23/2021
	Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2021	Telephone: 703-603-0695
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 05/21/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

#### US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 02/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2021	Telephone: 703-603-0695
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 05/21/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/06/2021
	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: 12/14/2020

Date Data Arrived at EDR: 12/15/2020

Date Made Active in Reports: 12/22/2020

Number of Days to Update: 7

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/15/2020

Next Scheduled EDR Contact: 07/05/2021

Data Release Frequency: Quarterly

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

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/25/2021

Date Data Arrived at EDR: 01/26/2021

Date Made Active in Reports: 04/13/2021

Number of Days to Update: 77

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/23/2021

Next Scheduled EDR Contact: 08/09/2021

Data Release Frequency: Quarterly

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

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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: 01/25/2021

Date Data Arrived at EDR: 01/26/2021

Date Made Active in Reports: 04/13/2021

Number of Days to Update: 77

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/23/2021

Next Scheduled EDR Contact: 08/09/2021

Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an 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: 02/08/2021

Date Data Arrived at EDR: 02/09/2021

Date Made Active in Reports: 05/03/2021

Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/11/2021

Next Scheduled EDR Contact: 08/23/2021

Data Release Frequency: Quarterly

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 03/08/2021

Date Data Arrived at EDR: 03/09/2021

Date Made Active in Reports: 03/30/2021

Number of Days to Update: 21

Source: State Water Resources Control Board

Telephone: see region list

Last EDR Contact: 06/03/2021

Next Scheduled EDR Contact: 09/20/2021

Data Release Frequency: Quarterly

### LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004

Date Data Arrived at EDR: 09/07/2004

Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710

Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011

Data Release Frequency: No Update Planned

### LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003

Date Data Arrived at EDR: 05/19/2003

Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786

Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: No Update Planned

### LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: No Update Planned

### LUST REG 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 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 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

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

### LUST REG 8: Leaking Underground Storage Tanks

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

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

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

### LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

### LUST REG 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

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 86

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 86

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2020	Telephone: 415-972-3372
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 04/23/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

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

Date of Government Version: 10/09/2020	Source: EPA Region 8
Date Data Arrived at EDR: 12/16/2020	Telephone: 303-312-6271
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 04/23/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020	Source: EPA Region 7
Date Data Arrived at EDR: 12/22/2020	Telephone: 913-551-7003
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 04/23/2021
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020	Source: EPA Region 4
Date Data Arrived at EDR: 12/18/2020	Telephone: 404-562-8677
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 04/23/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

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

Date of Government Version: 10/01/2020	Source: EPA Region 1
Date Data Arrived at EDR: 12/16/2020	Telephone: 617-918-1313
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 04/23/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 04/23/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/09/2021	Telephone: 866-480-1028
Date Made Active in Reports: 03/30/2021	Last EDR Contact: 06/03/2021
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

### SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

### SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

### SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

### SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

### SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

### SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

### SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

### SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: No Update Planned

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

#### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021  
Date Data Arrived at EDR: 02/17/2021  
Date Made Active in Reports: 03/22/2021  
Number of Days to Update: 33

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 04/05/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Varies

#### UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/05/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 04/01/2021  
Number of Days to Update: 23

Source: State Water Resources Control Board  
Telephone: 916-327-7844  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Varies

### MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/30/2021  
Number of Days to Update: 21

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Varies

### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/31/2021  
Number of Days to Update: 22

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Semi-Annually

### AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016  
Date Data Arrived at EDR: 07/12/2016  
Date Made Active in Reports: 09/19/2016  
Number of Days to Update: 69

Source: California Environmental Protection Agency  
Telephone: 916-327-5092  
Last EDR Contact: 06/08/2021  
Next Scheduled EDR Contact: 09/27/2021  
Data Release Frequency: Varies

### INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 86

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/02/2020  
Date Data Arrived at EDR: 12/18/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 84

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

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



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 86

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/09/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 86

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 86

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020  
Date Data Arrived at EDR: 12/22/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 80

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 86

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

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

#### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 03/22/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Varies

### 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

### 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: 01/25/2021  
Date Data Arrived at EDR: 01/26/2021  
Date Made Active in Reports: 04/13/2021  
Number of Days to Update: 77

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Quarterly

### **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: 12/17/2020  
Date Data Arrived at EDR: 12/17/2020  
Date Made Active in Reports: 03/09/2021  
Number of Days to Update: 82

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 03/23/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Quarterly

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

##### US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/11/2020  
Date Data Arrived at EDR: 12/11/2020  
Date Made Active in Reports: 03/02/2021  
Number of Days to Update: 81

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 03/16/2021  
Next Scheduled EDR Contact: 06/28/2021  
Data Release Frequency: Semi-Annually

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 04/21/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: No Update Planned

### SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/09/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/31/2021  
Number of Days to Update: 22

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Quarterly

### HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020  
Date Data Arrived at EDR: 11/23/2020  
Date Made Active in Reports: 02/08/2021  
Number of Days to Update: 77

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 05/18/2021  
Next Scheduled EDR Contact: 08/23/2021  
Data Release Frequency: Varies

### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 04/22/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Varies

### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 04/29/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

#### US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 12/07/2020  
Date Data Arrived at EDR: 12/09/2020  
Date Made Active in Reports: 03/02/2021  
Number of Days to Update: 83

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 05/22/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: No Update Planned

#### HIST CAL-SITES: Calsites Database

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

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

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

#### SCH: School Property Evaluation Program

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

Date of Government Version: 01/25/2021  
Date Data Arrived at EDR: 01/26/2021  
Date Made Active in Reports: 04/13/2021  
Number of Days to Update: 77

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Quarterly

#### CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 01/20/2021  
Date Made Active in Reports: 04/08/2021  
Number of Days to Update: 78

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Varies

#### TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 01/20/2021	Source: CalEPA
Date Data Arrived at EDR: 01/20/2021	Telephone: 916-323-2514
Date Made Active in Reports: 04/08/2021	Last EDR Contact: 04/20/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Quarterly

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/09/2020	Telephone: 202-307-1000
Date Made Active in Reports: 03/02/2021	Last EDR Contact: 05/18/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Quarterly

### PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/24/2021	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Varies

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

#### SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994	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

#### 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

#### SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/2021  
Date Data Arrived at EDR: 02/11/2021  
Date Made Active in Reports: 05/05/2021  
Number of Days to Update: 83

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 04/27/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Varies

### CA FID UST: Facility Inventory Database

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

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

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

### CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 01/20/2021  
Date Data Arrived at EDR: 01/20/2021  
Date Made Active in Reports: 04/08/2021  
Number of Days to Update: 78

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 04/20/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Quarterly

### Local Land Records

#### LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/01/2021  
Date Data Arrived at EDR: 03/03/2021  
Date Made Active in Reports: 05/20/2021  
Number of Days to Update: 78

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Varies

#### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021  
Date Data Arrived at EDR: 05/03/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 16

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 07/12/2021  
Data Release Frequency: Semi-Annually

#### DEED: Deed Restriction Listing

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/02/2021	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/03/2021	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 05/28/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Semi-Annually

### **Records of Emergency Release Reports**

#### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/16/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/17/2020	Telephone: 202-366-4555
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 03/24/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

#### **CHMIRS: California Hazardous Material Incident Report System**

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

Date of Government Version: 12/31/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/20/2021	Telephone: 916-845-8400
Date Made Active in Reports: 04/08/2021	Last EDR Contact: 04/20/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Semi-Annually

#### **LDS: Land Disposal Sites Listing (GEOTRACKER)**

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/09/2021	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2021	Last EDR Contact: 06/03/2021
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Quarterly

#### **MCS: Military Cleanup Sites Listing (GEOTRACKER)**

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/09/2021	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2021	Last EDR Contact: 06/03/2021
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012

Source: FirstSearch

Date Data Arrived at EDR: 01/03/2013

Telephone: N/A

Date Made Active in Reports: 02/22/2013

Last EDR Contact: 01/03/2013

Number of Days to Update: 50

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

### Other Ascertainable Records

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

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

Date of Government Version: 03/22/2021

Source: Environmental Protection Agency

Date Data Arrived at EDR: 03/23/2021

Telephone: (415) 495-8895

Date Made Active in Reports: 05/19/2021

Last EDR Contact: 03/23/2021

Number of Days to Update: 57

Next Scheduled EDR Contact: 07/05/2021

Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021

Source: U.S. Army Corps of Engineers

Date Data Arrived at EDR: 02/17/2021

Telephone: 202-528-4285

Date Made Active in Reports: 04/05/2021

Last EDR Contact: 05/18/2021

Number of Days to Update: 47

Next Scheduled EDR Contact: 08/30/2021

Data Release Frequency: Varies

#### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005

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: 04/16/2021

Number of Days to Update: 62

Next Scheduled EDR Contact: 07/26/2021

Data Release Frequency: Semi-Annually

#### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018

Source: U.S. Geological Survey

Date Data Arrived at EDR: 04/11/2018

Telephone: 888-275-8747

Date Made Active in Reports: 11/06/2019

Last EDR Contact: 04/05/2021

Number of Days to Update: 574

Next Scheduled EDR Contact: 07/19/2021

Data Release Frequency: N/A

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.



## 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: 05/18/2021  
Next Scheduled EDR Contact: 08/23/2021  
Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/14/2020  
Date Data Arrived at EDR: 12/17/2020  
Date Made Active in Reports: 03/12/2021  
Number of Days to Update: 85

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 03/23/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Quarterly

### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 04/30/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 05/07/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/17/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/19/2021  
Next Scheduled EDR Contact: 06/28/2021  
Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 08/14/2020  
Date Made Active in Reports: 11/04/2020  
Number of Days to Update: 82

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 05/17/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/20/2021  
Date Data Arrived at EDR: 01/21/2021  
Date Made Active in Reports: 03/22/2021  
Number of Days to Update: 60

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/20/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Annually

### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021  
Date Data Arrived at EDR: 05/03/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 16

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Annually

### RMP: Risk Management Plans

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

Date of Government Version: 01/22/2021  
Date Data Arrived at EDR: 02/18/2021  
Date Made Active in Reports: 05/11/2021  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 04/19/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 202-564-6023
Date Made Active in Reports: 03/05/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 50	Next Scheduled EDR Contact: 08/16/2021
	Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020	Source: EPA
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-566-0500
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 04/09/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/31/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Quarterly

### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

### MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/08/2021	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/11/2021	Telephone: 301-415-7169
Date Made Active in Reports: 05/11/2021	Last EDR Contact: 04/16/2021
Number of Days to Update: 61	Next Scheduled EDR Contact: 08/02/2021
	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: 12/31/2019	Source: Department of Energy
Date Data Arrived at EDR: 12/01/2020	Telephone: 202-586-8719
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 05/27/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Varies

### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 05/27/2021
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Varies

### PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/07/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/16/2021
	Data Release Frequency: Varies

### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 03/25/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 04/27/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Quarterly

### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2020  
Date Data Arrived at EDR: 01/13/2021  
Date Made Active in Reports: 03/22/2021  
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 04/05/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Varies

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 11/20/2020  
Number of Days to Update: 151

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 03/23/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Biennially

### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/06/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Semi-Annually

### FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 04/28/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Varies

### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 05/21/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021  
Date Data Arrived at EDR: 05/03/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 16

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 07/12/2021  
Data Release Frequency: Varies

### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 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

### MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020  
Date Data Arrived at EDR: 11/30/2020  
Date Made Active in Reports: 01/25/2021  
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admini  
Telephone: 202-693-9424  
Last EDR Contact: 05/26/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Quarterly

### US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2021  
Date Data Arrived at EDR: 02/24/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: Semi-Annually

### US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020  
Date Data Arrived at EDR: 05/27/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 78

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/27/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: Varies

### US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/27/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: Varies

### ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/11/2020  
Date Data Arrived at EDR: 12/11/2020  
Date Made Active in Reports: 03/02/2021  
Number of Days to Update: 81

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 06/02/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021  
Date Data Arrived at EDR: 03/03/2021  
Date Made Active in Reports: 04/05/2021  
Number of Days to Update: 33

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 05/18/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Quarterly

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 07/02/2020  
Date Made Active in Reports: 09/17/2020  
Number of Days to Update: 77

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 04/13/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/02/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-564-2280
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 04/06/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Quarterly

### DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/17/2020	Telephone: 202-564-0527
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 05/21/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

### FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021	Source: EPA
Date Data Arrived at EDR: 02/17/2021	Telephone: 800-385-6164
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 05/14/2021
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/30/2021
	Data Release Frequency: Quarterly

### CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	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: 12/17/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/17/2020	Telephone: 916-323-3400
Date Made Active in Reports: 03/09/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

### CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/14/2019	Telephone: 925-454-2361
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 05/14/2021
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/23/2021
	Data Release Frequency: Varies

### DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2021  
Date Data Arrived at EDR: 03/04/2021  
Date Made Active in Reports: 05/20/2021  
Number of Days to Update: 77

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Annually

### DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/23/2021  
Date Data Arrived at EDR: 02/25/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 83

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 05/18/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: Varies

### DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2021  
Date Data Arrived at EDR: 03/02/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Varies

### EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 06/16/2020  
Date Made Active in Reports: 08/28/2020  
Number of Days to Update: 73

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 03/19/2021  
Next Scheduled EDR Contact: 06/28/2021  
Data Release Frequency: Varies

### ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 12/31/2020  
Date Data Arrived at EDR: 01/20/2021  
Date Made Active in Reports: 04/09/2021  
Number of Days to Update: 79

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 04/20/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/25/2021  
Date Data Arrived at EDR: 01/26/2021  
Date Made Active in Reports: 04/13/2021  
Number of Days to Update: 77

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 02/08/2021  
Date Data Arrived at EDR: 02/12/2021  
Date Made Active in Reports: 05/05/2021  
Number of Days to Update: 82

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 05/05/2021  
Next Scheduled EDR Contact: 08/23/2021  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 04/15/2020  
Date Made Active in Reports: 07/02/2020  
Number of Days to Update: 78

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 04/09/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Annually

### ICE: ICE

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

Date of Government Version: 02/16/2021  
Date Data Arrived at EDR: 02/17/2021  
Date Made Active in Reports: 05/07/2021  
Number of Days to Update: 79

Source: Department of Toxic Substances Control  
Telephone: 877-786-9427  
Last EDR Contact: 05/14/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Quarterly

### HIST CORTESE: Hazardous Waste & Substance Site List

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

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

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

### HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/16/2021  
Date Data Arrived at EDR: 02/17/2021  
Date Made Active in Reports: 05/10/2021  
Number of Days to Update: 82

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/14/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Quarterly

### HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/05/2021  
Date Data Arrived at EDR: 01/05/2021  
Date Made Active in Reports: 03/18/2021  
Number of Days to Update: 72

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 04/06/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Quarterly

### MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/30/2021  
Number of Days to Update: 21

Source: Department of Conservation  
Telephone: 916-322-1080  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/29/2021	Source: Department of Public Health
Date Data Arrived at EDR: 03/03/2021	Telephone: 916-558-1784
Date Made Active in Reports: 05/20/2021	Last EDR Contact: 05/28/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Varies

### NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/08/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/09/2021	Telephone: 916-445-9379
Date Made Active in Reports: 05/04/2021	Last EDR Contact: 05/11/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 08/23/2021
	Data Release Frequency: Quarterly

### PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2021	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 03/03/2021	Telephone: 916-445-4038
Date Made Active in Reports: 05/20/2021	Last EDR Contact: 05/28/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Quarterly

### PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/09/2021	Source: Department of Conservation
Date Data Arrived at EDR: 03/09/2021	Telephone: 916-323-3836
Date Made Active in Reports: 03/31/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Quarterly

### NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/16/2021	Telephone: 916-445-3846
Date Made Active in Reports: 06/01/2021	Last EDR Contact: 06/08/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/27/2021
	Data Release Frequency: No Update Planned

### UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/08/2021	Source: Department of Conservation
Date Data Arrived at EDR: 03/09/2021	Telephone: 916-445-2408
Date Made Active in Reports: 03/31/2021	Last EDR Contact: 06/03/2021
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 03/08/2021

Date Data Arrived at EDR: 03/09/2021

Date Made Active in Reports: 03/30/2021

Number of Days to Update: 21

Source: State Water Resource Control Board

Telephone: 866-480-1028

Last EDR Contact: 06/03/2021

Next Scheduled EDR Contact: 09/20/2021

Data Release Frequency: Varies

### WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019

Date Data Arrived at EDR: 01/07/2020

Date Made Active in Reports: 03/09/2020

Number of Days to Update: 62

Source: RWQCB, Central Valley Region

Telephone: 559-445-5577

Last EDR Contact: 04/09/2021

Next Scheduled EDR Contact: 07/19/2021

Data Release Frequency: Varies

### WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007

Date Data Arrived at EDR: 06/20/2007

Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227

Last EDR Contact: 05/14/2021

Next Scheduled EDR Contact: 08/30/2021

Data Release Frequency: No Update Planned

### WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009

Date Data Arrived at EDR: 07/21/2009

Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726

Last EDR Contact: 03/19/2021

Next Scheduled EDR Contact: 07/05/2021

Data Release Frequency: No Update Planned

### MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/08/2021

Date Data Arrived at EDR: 03/09/2021

Date Made Active in Reports: 03/30/2021

Number of Days to Update: 21

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 06/03/2021

Next Scheduled EDR Contact: 09/20/2021

Data Release Frequency: Varies

### PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 03/08/2021

Date Data Arrived at EDR: 03/09/2021

Date Made Active in Reports: 03/30/2021

Number of Days to Update: 21

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 06/03/2021

Next Scheduled EDR Contact: 09/20/2021

Data Release Frequency: Varies

### WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/31/2021  
Number of Days to Update: 22

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 06/07/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Quarterly

### CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020  
Date Data Arrived at EDR: 12/01/2020  
Date Made Active in Reports: 02/12/2021  
Number of Days to Update: 73

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 05/19/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Varies

### CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/20/2021  
Date Data Arrived at EDR: 01/20/2021  
Date Made Active in Reports: 04/08/2021  
Number of Days to Update: 78

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 04/20/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/30/2021  
Number of Days to Update: 21

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Varies

### OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/30/2021  
Number of Days to Update: 21

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Varies

### PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/30/2021  
Number of Days to Update: 21

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Varies

### SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/30/2021  
Number of Days to Update: 21

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Varies

### WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/08/2021  
Date Data Arrived at EDR: 03/09/2021  
Date Made Active in Reports: 03/30/2021  
Number of Days to Update: 21

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/03/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Varies

### PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 05/06/2015  
Number of Days to Update: 120

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/31/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Semi-Annually

### HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021  
Date Data Arrived at EDR: 04/09/2021  
Date Made Active in Reports: 04/20/2021  
Number of Days to Update: 11

Source: Department of Toxic Substances Control  
Telephone: 916-324-2444  
Last EDR Contact: 04/05/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Varies

### MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 05/27/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: Varies

### PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 55

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 03/31/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Semi-Annually

### PCS ENF: Enforcement data

No description is available for this data

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 03/31/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Varies

## **EDR HIGH RISK HISTORICAL RECORDS**

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

#### **EDR MGP: EDR Proprietary Manufactured Gas Plants**

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### **EDR Hist Auto: EDR Exclusive Historical Auto Stations**

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### **EDR Hist Cleaner: EDR Exclusive Historical Cleaners**

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **EDR RECOVERED GOVERNMENT ARCHIVES**

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 01/13/2014

Last EDR Contact: 06/01/2012

Number of Days to Update: 196

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A

Source: State Water Resources Control Board

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/30/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 182

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019

Source: Alameda County Environmental Health Services

Date Data Arrived at EDR: 01/11/2019

Telephone: 510-567-6700

Date Made Active in Reports: 03/05/2019

Last EDR Contact: 03/31/2021

Number of Days to Update: 53

Next Scheduled EDR Contact: 07/19/2021

Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021

Source: Alameda County Environmental Health Services

Date Data Arrived at EDR: 03/18/2021

Telephone: 510-567-6700

Date Made Active in Reports: 03/25/2021

Last EDR Contact: 03/17/2021

Number of Days to Update: 7

Next Scheduled EDR Contact: 07/19/2021

Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021

Source: Amador County Environmental Health

Date Data Arrived at EDR: 02/04/2021

Telephone: 209-223-6439

Date Made Active in Reports: 04/23/2021

Last EDR Contact: 05/25/2021

Number of Days to Update: 78

Next Scheduled EDR Contact: 08/16/2021

Data Release Frequency: Varies

### BUTTE COUNTY:



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 03/31/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: No Update Planned

### CALVERAS COUNTY:

#### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 12/15/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 12/24/2020  
Number of Days to Update: 8

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Quarterly

### COLUSA COUNTY:

#### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020  
Date Data Arrived at EDR: 04/23/2020  
Date Made Active in Reports: 07/10/2020  
Number of Days to Update: 78

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 04/27/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Semi-Annually

### CONTRA COSTA COUNTY:

#### SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/25/2021  
Date Data Arrived at EDR: 01/26/2021  
Date Made Active in Reports: 04/16/2021  
Number of Days to Update: 80

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 04/20/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Semi-Annually

### DEL NORTE COUNTY:

#### CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 12/17/2020  
Date Data Arrived at EDR: 01/28/2021  
Date Made Active in Reports: 04/16/2021  
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 04/21/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Varies

### EL DORADO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 02/09/2021  
Date Data Arrived at EDR: 02/11/2021  
Date Made Active in Reports: 05/05/2021  
Number of Days to Update: 83

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 05/05/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Varies

### FRESNO COUNTY:

#### CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2021  
Date Data Arrived at EDR: 01/15/2021  
Date Made Active in Reports: 04/05/2021  
Number of Days to Update: 80

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 04/01/2021  
Next Scheduled EDR Contact: 07/12/2021  
Data Release Frequency: Semi-Annually

### GLENN COUNTY:

#### CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: No Update Planned

### HUMBOLDT COUNTY:

#### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 05/17/2021  
Date Data Arrived at EDR: 05/18/2021  
Date Made Active in Reports: 05/20/2021  
Number of Days to Update: 2

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 05/10/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Semi-Annually

### IMPERIAL COUNTY:

#### CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 01/19/2021  
Date Data Arrived at EDR: 01/20/2021  
Date Made Active in Reports: 04/08/2021  
Number of Days to Update: 78

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### INYO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 72

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 05/11/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Varies

### KERN COUNTY:

#### CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020  
Date Data Arrived at EDR: 10/30/2020  
Date Made Active in Reports: 01/15/2021  
Number of Days to Update: 77

Source: Kern County Public Health  
Telephone: 661-321-3000  
Last EDR Contact: 04/27/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Varies

#### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021  
Date Data Arrived at EDR: 01/21/2021  
Date Made Active in Reports: 01/28/2021  
Number of Days to Update: 7

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Quarterly

### KINGS COUNTY:

#### CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020  
Date Data Arrived at EDR: 01/26/2021  
Date Made Active in Reports: 04/14/2021  
Number of Days to Update: 78

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Varies

### LAKE COUNTY:

#### CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 02/10/2021  
Date Data Arrived at EDR: 02/12/2021  
Date Made Active in Reports: 03/11/2021  
Number of Days to Update: 27

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 04/07/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: Varies

### LASSEN COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020  
Date Data Arrived at EDR: 08/21/2020  
Date Made Active in Reports: 11/09/2020  
Number of Days to Update: 80

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 06/04/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### LOS ANGELES COUNTY:

#### AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: N/A  
Telephone: N/A  
Last EDR Contact: 06/08/2021  
Next Scheduled EDR Contact: 09/27/2021  
Data Release Frequency: No Update Planned

#### HMS LOS ANGELES: HMS: Street Number List Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/11/2021  
Date Data Arrived at EDR: 01/12/2021  
Date Made Active in Reports: 03/25/2021  
Number of Days to Update: 72

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 04/05/2021  
Next Scheduled EDR Contact: 07/19/2021  
Data Release Frequency: Semi-Annually

#### LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/11/2021  
Date Data Arrived at EDR: 01/12/2021  
Date Made Active in Reports: 03/26/2021  
Number of Days to Update: 73

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 04/13/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: Varies

#### LF LOS ANGELES CITY: City of Los Angeles Landfills Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021  
Date Data Arrived at EDR: 02/18/2021  
Date Made Active in Reports: 05/10/2021  
Number of Days to Update: 81

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 04/07/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: Varies

#### LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 03/26/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021  
Date Data Arrived at EDR: 04/16/2021  
Date Made Active in Reports: 04/21/2021  
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works  
Telephone: 626-458-6973  
Last EDR Contact: 04/16/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: No Update Planned

### LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 03/26/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Varies

### LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 03/26/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Varies

### SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 10/19/2020  
Date Data Arrived at EDR: 01/12/2021  
Date Made Active in Reports: 03/26/2021  
Number of Days to Update: 73

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 04/16/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: Annually

### UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 04/19/2017  
Date Made Active in Reports: 05/10/2017  
Number of Days to Update: 21

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 04/07/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: No Update Planned

### UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/27/2019  
Number of Days to Update: 65

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/11/2020  
Date Data Arrived at EDR: 10/07/2020  
Date Made Active in Reports: 12/23/2020  
Number of Days to Update: 77

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 04/23/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Semi-Annually

### MADERA COUNTY:

#### CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020  
Date Data Arrived at EDR: 08/12/2020  
Date Made Active in Reports: 10/23/2020  
Number of Days to Update: 72

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 05/12/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Varies

### MARIN COUNTY:

#### UST MARIN: Underground Storage Tank Sites Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018  
Date Data Arrived at EDR: 10/04/2018  
Date Made Active in Reports: 11/02/2018  
Number of Days to Update: 29

Source: Public Works Department Waste Management  
Telephone: 415-473-6647  
Last EDR Contact: 03/25/2021  
Next Scheduled EDR Contact: 07/12/2021  
Data Release Frequency: Semi-Annually

### MENDOCINO COUNTY:

#### UST MENDOCINO: Mendocino County UST Database A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/21/2020  
Date Data Arrived at EDR: 12/21/2020  
Date Made Active in Reports: 03/10/2021  
Number of Days to Update: 79

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 05/18/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: Annually

### MERCED COUNTY:

#### CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 02/04/2021  
Date Data Arrived at EDR: 02/09/2021  
Date Made Active in Reports: 02/18/2021  
Number of Days to Update: 9

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 05/12/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Varies

### MONO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021  
Date Data Arrived at EDR: 03/02/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 78

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 06/02/2021  
Next Scheduled EDR Contact: 09/06/3021  
Data Release Frequency: Varies

### MONTEREY COUNTY:

#### CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/08/2021  
Date Data Arrived at EDR: 01/12/2021  
Date Made Active in Reports: 03/25/2021  
Number of Days to Update: 72

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 03/25/2021  
Next Scheduled EDR Contact: 07/12/2021  
Data Release Frequency: Varies

### NAPA COUNTY:

#### LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/18/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: No Update Planned

#### UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019  
Date Data Arrived at EDR: 09/09/2019  
Date Made Active in Reports: 10/31/2019  
Number of Days to Update: 52

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/18/2021  
Next Scheduled EDR Contact: 09/06/2021  
Data Release Frequency: No Update Planned

### NEVADA COUNTY:

#### CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 02/03/2021  
Date Data Arrived at EDR: 02/04/2021  
Date Made Active in Reports: 04/23/2021  
Number of Days to Update: 78

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 04/21/2021  
Next Scheduled EDR Contact: 08/09/2021  
Data Release Frequency: Varies

### ORANGE COUNTY:

#### IND\_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2021  
Date Data Arrived at EDR: 02/04/2021  
Date Made Active in Reports: 04/23/2021  
Number of Days to Update: 78

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 04/29/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021  
Date Data Arrived at EDR: 05/03/2021  
Date Made Active in Reports: 05/12/2021  
Number of Days to Update: 9

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 04/29/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2021  
Date Data Arrived at EDR: 02/02/2021  
Date Made Active in Reports: 04/20/2021  
Number of Days to Update: 77

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 04/30/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2021  
Date Data Arrived at EDR: 05/26/2021  
Date Made Active in Reports: 06/01/2021  
Number of Days to Update: 6

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites  
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/13/2021  
Date Data Arrived at EDR: 01/14/2021  
Date Made Active in Reports: 03/10/2021  
Number of Days to Update: 55

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/08/2021  
Next Scheduled EDR Contact: 09/27/2021  
Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/13/2021

Date Data Arrived at EDR: 01/14/2021

Date Made Active in Reports: 03/10/2021

Number of Days to Update: 55

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 06/07/2021

Next Scheduled EDR Contact: 09/26/2021

Data Release Frequency: Quarterly

### SACRAMENTO COUNTY:

#### CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020

Date Data Arrived at EDR: 03/31/2020

Date Made Active in Reports: 06/15/2020

Number of Days to Update: 76

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/12/2021

Data Release Frequency: Quarterly

#### ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020

Date Data Arrived at EDR: 03/31/2020

Date Made Active in Reports: 06/17/2020

Number of Days to Update: 78

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 04/01/2021

Next Scheduled EDR Contact: 07/12/2021

Data Release Frequency: Quarterly

### SAN BENITO COUNTY:

#### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/28/2021

Date Data Arrived at EDR: 04/29/2021

Date Made Active in Reports: 05/03/2021

Number of Days to Update: 4

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 04/27/2021

Next Scheduled EDR Contact: 08/16/2021

Data Release Frequency: Varies

### SAN BERNARDINO COUNTY:

#### PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/19/2021

Date Data Arrived at EDR: 05/19/2021

Date Made Active in Reports: 06/07/2021

Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041

Last EDR Contact: 05/03/2021

Next Scheduled EDR Contact: 08/16/2021

Data Release Frequency: Quarterly

### SAN DIEGO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/02/2021  
Date Data Arrived at EDR: 03/03/2021  
Date Made Active in Reports: 05/21/2021  
Number of Days to Update: 79

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 05/28/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Quarterly

### LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020  
Date Data Arrived at EDR: 11/23/2020  
Date Made Active in Reports: 02/08/2021  
Number of Days to Update: 77

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 05/21/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020  
Date Data Arrived at EDR: 07/16/2020  
Date Made Active in Reports: 09/29/2020  
Number of Days to Update: 75

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 04/14/2021  
Next Scheduled EDR Contact: 08/02/2021  
Data Release Frequency: Varies

### SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: No Update Planned

### SAN FRANCISCO COUNTY:

#### CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/11/2021  
Date Data Arrived at EDR: 02/11/2021  
Date Made Active in Reports: 05/05/2021  
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health  
Telephone: 415-252-3896  
Last EDR Contact: 04/27/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Varies

#### LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/27/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: No Update Planned

### UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/11/2021  
Date Data Arrived at EDR: 02/11/2021  
Date Made Active in Reports: 05/05/2021  
Number of Days to Update: 83

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 04/27/2021  
Next Scheduled EDR Contact: 08/16/2021  
Data Release Frequency: Quarterly

### SAN JOAQUIN COUNTY:

#### UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 06/08/2021  
Next Scheduled EDR Contact: 09/27/2021  
Data Release Frequency: Semi-Annually

### SAN LUIS OBISPO COUNTY:

#### CUPA SAN LUIS OBISPO: CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/07/2021  
Date Data Arrived at EDR: 05/11/2021  
Date Made Active in Reports: 05/14/2021  
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 05/06/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Varies

### SAN MATEO COUNTY:

#### BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/12/2021  
Next Scheduled EDR Contact: 06/21/2021  
Data Release Frequency: Annually

#### LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/02/2021  
Next Scheduled EDR Contact: 09/20/2021  
Data Release Frequency: Semi-Annually

### SANTA BARBARA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 05/12/2021

Next Scheduled EDR Contact: 08/30/2021

Data Release Frequency: No Update Planned

### SANTA CLARA COUNTY:

#### CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/24/2021

Date Data Arrived at EDR: 02/26/2021

Date Made Active in Reports: 05/19/2021

Number of Days to Update: 82

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 05/12/2021

Next Scheduled EDR Contact: 08/30/2021

Data Release Frequency: Varies

#### HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.

Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005

Date Data Arrived at EDR: 03/30/2005

Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

#### LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 05/18/2021

Next Scheduled EDR Contact: 09/06/2021

Data Release Frequency: No Update Planned

#### SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020

Date Data Arrived at EDR: 11/05/2020

Date Made Active in Reports: 01/26/2021

Number of Days to Update: 82

Source: City of San Jose Fire Department

Telephone: 408-535-7694

Last EDR Contact: 05/21/2021

Next Scheduled EDR Contact: 08/16/2021

Data Release Frequency: Annually

### SANTA CRUZ COUNTY:

#### CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017

Date Data Arrived at EDR: 02/22/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 90

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761

Last EDR Contact: 05/12/2021

Next Scheduled EDR Contact: 08/30/2021

Data Release Frequency: Varies

### SHASTA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 05/12/2021  
Next Scheduled EDR Contact: 08/30/2021  
Data Release Frequency: Varies

### SOLANO COUNTY:

#### LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/13/2019  
Number of Days to Update: 68

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 05/25/2021  
Next Scheduled EDR Contact: 09/13/2021  
Data Release Frequency: Quarterly

#### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 12/03/2020  
Date Data Arrived at EDR: 12/03/2020  
Date Made Active in Reports: 02/18/2021  
Number of Days to Update: 77

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/08/2021  
Next Scheduled EDR Contact: 09/12/2021  
Data Release Frequency: Quarterly

### SONOMA COUNTY:

#### CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 12/15/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 12/23/2020  
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/19/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Varies

#### LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2021  
Date Data Arrived at EDR: 01/06/2021  
Date Made Active in Reports: 03/18/2021  
Number of Days to Update: 71

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 03/19/2021  
Next Scheduled EDR Contact: 07/05/2021  
Data Release Frequency: Quarterly

### STANISLAUS COUNTY:

#### CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/09/2021  
Date Data Arrived at EDR: 02/11/2021  
Date Made Active in Reports: 05/05/2021  
Number of Days to Update: 83

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 04/21/2021  
Next Scheduled EDR Contact: 07/26/2021  
Data Release Frequency: Varies

### SUTTER COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/01/2021

Date Data Arrived at EDR: 03/02/2021

Date Made Active in Reports: 05/19/2021

Number of Days to Update: 78

Source: Sutter County Environmental Health Services

Telephone: 530-822-7500

Last EDR Contact: 05/25/2021

Next Scheduled EDR Contact: 09/13/2021

Data Release Frequency: Semi-Annually

### TEHAMA COUNTY:

#### CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 01/13/2021

Date Data Arrived at EDR: 01/14/2021

Date Made Active in Reports: 04/06/2021

Number of Days to Update: 82

Source: Tehama County Department of Environmental Health

Telephone: 530-527-8020

Last EDR Contact: 04/27/2021

Next Scheduled EDR Contact: 08/16/2021

Data Release Frequency: Varies

### TRINITY COUNTY:

#### CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 01/19/2021

Date Data Arrived at EDR: 01/20/2021

Date Made Active in Reports: 04/08/2021

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 760-352-0381

Last EDR Contact: 04/14/2021

Next Scheduled EDR Contact: 08/02/2021

Data Release Frequency: Varies

### TULARE COUNTY:

#### CUPA TULARE: CUPA Facility List

Cupa program facilities

Date of Government Version: 02/02/2021

Date Data Arrived at EDR: 02/04/2021

Date Made Active in Reports: 04/23/2021

Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division

Telephone: 559-624-7400

Last EDR Contact: 04/27/2021

Next Scheduled EDR Contact: 08/16/2021

Data Release Frequency: Varies

### TUOLUMNE COUNTY:

#### CUPA TUOLUMNE: CUPA Facility List

Cupa facility list

Date of Government Version: 04/23/2018

Date Data Arrived at EDR: 04/25/2018

Date Made Active in Reports: 06/25/2018

Number of Days to Update: 61

Source: Division of Environmental Health

Telephone: 209-533-5633

Last EDR Contact: 04/14/2021

Next Scheduled EDR Contact: 08/02/2021

Data Release Frequency: Varies

### VENTURA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/28/2020

Date Data Arrived at EDR: 01/29/2021

Date Made Active in Reports: 04/22/2021

Number of Days to Update: 83

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 04/19/2021

Next Scheduled EDR Contact: 08/02/2021

Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011

Date Data Arrived at EDR: 12/01/2011

Date Made Active in Reports: 01/19/2012

Number of Days to Update: 49

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 03/25/2021

Next Scheduled EDR Contact: 07/12/2021

Data Release Frequency: No Update Planned

### LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008

Date Data Arrived at EDR: 06/24/2008

Date Made Active in Reports: 07/31/2008

Number of Days to Update: 37

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 05/05/2021

Next Scheduled EDR Contact: 08/23/2021

Data Release Frequency: No Update Planned

### MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/29/2021

Date Data Arrived at EDR: 04/21/2021

Date Made Active in Reports: 04/23/2021

Number of Days to Update: 2

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813

Last EDR Contact: 04/19/2021

Next Scheduled EDR Contact: 08/02/2021

Data Release Frequency: Quarterly

### UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/01/2021

Date Data Arrived at EDR: 03/09/2021

Date Made Active in Reports: 03/31/2021

Number of Days to Update: 22

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 06/04/2021

Next Scheduled EDR Contact: 09/20/2021

Data Release Frequency: Quarterly

### YOLO COUNTY:

#### UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020

Date Data Arrived at EDR: 12/23/2020

Date Made Active in Reports: 01/04/2021

Number of Days to Update: 12

Source: Yolo County Department of Health

Telephone: 530-666-8646

Last EDR Contact: 03/26/2021

Next Scheduled EDR Contact: 07/12/2021

Data Release Frequency: Annually

### YUBA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021

Date Data Arrived at EDR: 04/22/2021

Date Made Active in Reports: 05/12/2021

Number of Days to Update: 20

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 04/24/2021

Next Scheduled EDR Contact: 08/09/2021

Data Release Frequency: Varies

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 10/05/2020

Date Data Arrived at EDR: 02/17/2021

Date Made Active in Reports: 05/10/2021

Number of Days to Update: 82

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 05/11/2021

Next Scheduled EDR Contact: 08/23/2021

Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018

Date Data Arrived at EDR: 04/10/2019

Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/09/2021

Next Scheduled EDR Contact: 07/19/2021

Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019

Date Data Arrived at EDR: 04/29/2020

Date Made Active in Reports: 07/10/2020

Number of Days to Update: 72

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 04/30/2021

Next Scheduled EDR Contact: 08/09/2021

Data Release Frequency: Quarterly

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018

Date Data Arrived at EDR: 07/19/2019

Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 04/09/2021

Next Scheduled EDR Contact: 07/26/2021

Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019

Date Data Arrived at EDR: 02/11/2021

Date Made Active in Reports: 02/24/2021

Number of Days to Update: 13

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 05/13/2021

Next Scheduled EDR Contact: 08/30/2021

Data Release Frequency: Annually



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018

Date Data Arrived at EDR: 06/19/2019

Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/03/2021

Next Scheduled EDR Contact: 09/20/2021

Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

### Electric Power Transmission Line Data

Source: Endeavor Business Media

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory  
Source: Department of Fish and Wildlife  
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

### **STREET AND ADDRESS INFORMATION**

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